SUNBELT BUILDERS

10641 Highway 36
Covington, GA
30014

www.sunbeltbuilders.com

t 770.786.3031
f 770.786.3046

JACKSON COUNTY
AIRPORT TERMINAL BUILDING

Legacy Electrical Services
2421 Lance Ct.
Suite C
Loganville, GA 30052
ph: 470-545-2130
Brenda Powell
bpowell@legacyesi.com

26-0000 Electrical Lighting O&M

SUBMITTAL

Lighting

JACKSON COUNTY AIRPORT TERMINAL

11/13/2024

Electrical Contractor:

LEGACY ELECTRICAL SERVICES

Attn:

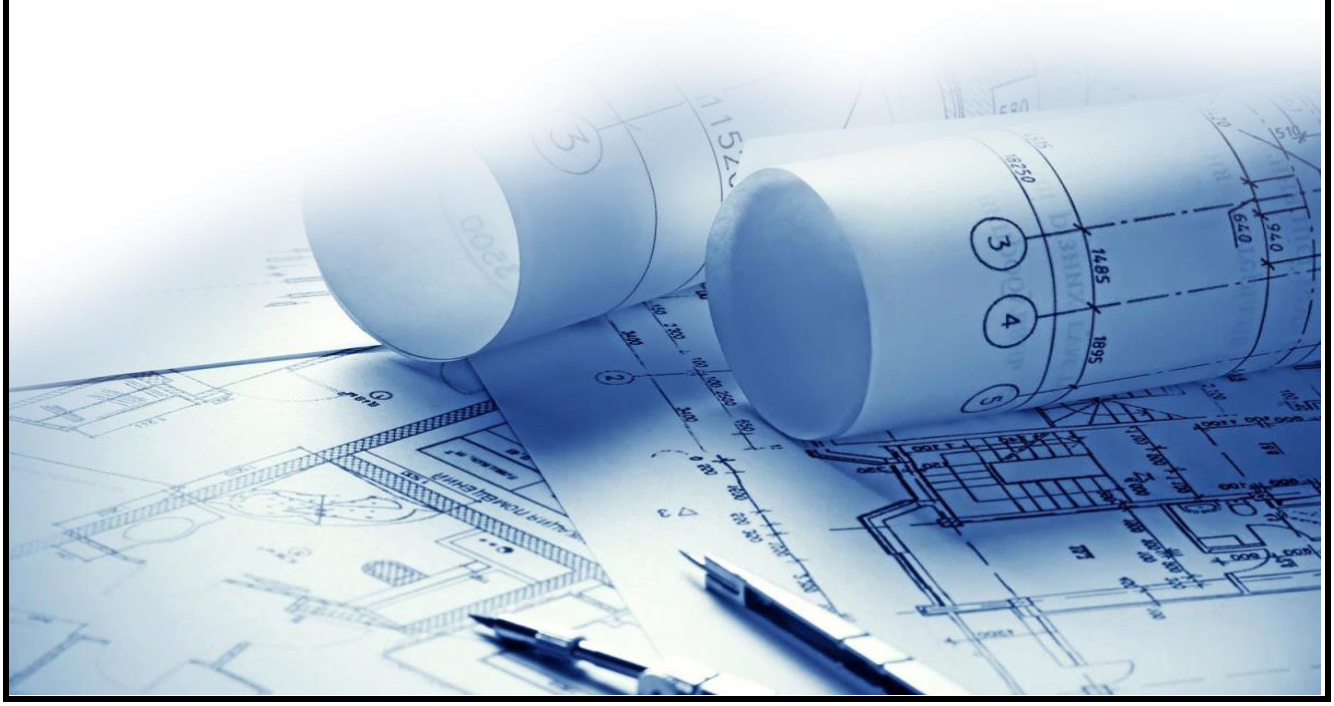
Mark Staples

Quotations Specialist:

Chris Southers

Outside Sales Rep:

Holly Newman



REXEL

Gexpro

For Approval: ☒ **For Record:** ☐

Submittal

To:
, LEGACY ELECTRICAL SERVICES INC
2421 LANCE CT STE C
LOGANVILLE, GA 30052-4680

Project: JACKSON COUNTY
Job #: 690058
Quoter: Chris Southers
Project Mgr:
Printed By: Chris Southers

Type	Quantity	Description	Manufacturer
A	47	22ARS-L3C3-UNV	
AE	12	22ARS-L3C3-UNV-EL14W	
B	10	22ARS-L3C3-UNV	
BE	3	22ARS-L3C3-UNV-EL14W	
C	11	PR6FS12D010PR6M12MD8FSMW	
CE	7	PR6FS12D010REM7PR6M12MD8FSMW	
D	1	SMD6R129SWH	
F	6	LZR108MB LZR102MB LZR212MB LZR201MB	
F HEADS	0	L80916NF935MB	
G	7	ISS-SA1A-740-4-SL4-BZ-CBP	
GE	0	ISS-SA1A-740-4-SL4-BZ-CBP	
H	10	SQW-F-100U/100D-835-1D-UNV-STD-WLS-W-WM-4	
HE	4	SQW-F-100U/100D-835-1D-UNV-STD-B06-W-WM-4	

From:
BRANCH: 1549 DULUTH COUNTER DLC
SALES PHONE
1630 SATELLITE BLVD
DULUTH, GA 30097-4342

11/13/2024 1:21:27 PM

REXEL

Gexpro

Project: JACKSON COUNTY

For Approval: ☒ **For Record:** ☐

Submittal

Type	Quantity	Description	Manufacturer
J	2	4SLSTP2040DD-120V	
JE	3	4SLSTP2040DD-120V EBPLED14W	
K	1	ESL4-R-DW-F1-12'-MWH-OFL-S80-30-DLAM-50-UNV-FMD-FD01-NN-NN-NN	
L	5	4SLSTP2040DD-120V	
LE	3	4SLSTP2040DD-120V AYC-CHAIN/SET-U EBPLED14W	
M	1	PS-AR-R-LS-500-80-30-3-W-UNV-DP-1-MT-RWHD	
N	5	77552-K4-BZ	
OA	4	GALN-SA2B-740-U-SL4-BZ	
POLE	4	RSP20 -5-11-BRZ-DM10 -BC	
1F X	9	SCX70R	
2F X	1	SCX70R	
	4	GMDS-W	
	1	LLEVO-INT-2	
	2	LSCS-20	
	4	LSG3-WH-1	
	16	OAC-DT-2000-R	
	3	ONW-D-1001-MV-W	
	4	OXC-P-2MH0-R	
	17	SP20-RD4	
	11	WBSD-010M-C1	
	1	RSU	

All sales transactions are subject to credit approval. Any quotation and all transactions with Seller are

Project: JACKSON COUNTY

For Approval: ☒ **For Record:** ☐

Submittal

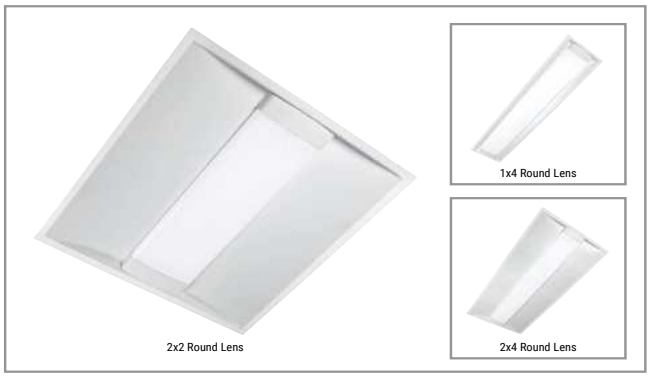
Type	Quantity	Description	Manufacturer

conditioned upon Seller's Terms and Conditions of Sale located at http://www.rexelusainc.com/terms/terms.html. Quotation is valid for 30 days after the date of issue unless otherwise specified with the exception of commodity items. Quotation for commodity items is valid for the day of the quote only unless otherwise specified. All amounts quoted do not include state, local or municipal taxes of any kind. Applicable sales tax will be added at the time of sale.

Job Name : JACKSON COUNTY AIRPORT - TERMINAL AREA DEVELOPMENT
Manufacturer : METALUX
Model Number : 22ARS-L3C3-UNV

Type : A

Project		Catalog #		Type	
Prepared by		Notes		Date	



Metalux

Achieva™ Selectable Center Basket

Achieva™ Selectable Lumens and CCT Troffer
1x4 / 2x2 / 2x4

Typical Applications
Offices • Education • Healthcare • Retail

Interactive Menu

- Order Information/Performance page 2
- Photometric Data page 5
- Product Specifications page 6
- Control Solutions page 8
- Product Warranty

Product Certification

Product Features

Top Product Features

- Selectable lumens (low/medium/high) and selectable CCT (3500K/4000K/5000K) in both 80 or 90 CRI for use in a variety of applications and stock simplicity
- Selectable lumens offered in both standard selectable and high output selectable options
- Available in Round or Square lens options
- Shallow plenum - 1.5" depth fits the most challenging spaces
- 0-10V dimming to 5% standard with 120-277V UNV
- Fully assembled driver integrated without exposed wires in the plenum
- Emergency, Wavelinx, and Flex options available
- Matches Achieva Surface for one family look across a space (coming Q4)

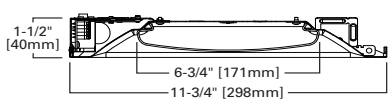
Achieva Dimensions

(Full Dimensions on Page 6)

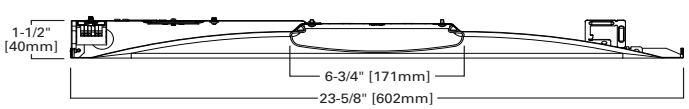
See page 6 for Junction Box details for ARS

additional product diagrams

1' x 4'

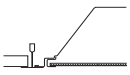


2' x 2', 2' x 4'

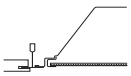


Ceiling Compatibility

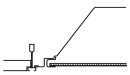
G Grid/Lay-in Standard



G Concealed T



G Slot Grid



Ceiling Type	Trim Type
Exposed Grid	Standard
Concealed T	Standard
Slot Grid	Standard
Flange	*

*See Drywall Frame Kit Accessory in Ordering Information Section

Lens

Round

Square

Metalux — Achieva Selectable Troffer

Achieva Ordering Information/Performance - Round Lens

Default CCT/Lumen Setting: 4000K / Med Power

Size	Catalog Number	Pack	Lumen Setting	CCT	CRI (Min)	Delivered Nominal Lumens	Watts	Efficacy (lm/W)
2x4	24ARS-L3C3-UNV	Single Carton	Low	3500K	80	3407	24.8	137
				4000K	80	3532	24.2	146
				5000K	80	3519	24.9	141
			Medium	3500K	80	4566	34.4	133
				4000K	80	4777	33.3	143
				5000K	80	4718	34.5	137
	24ARS-L3C3-UNV-MP2	Multi-Pack (2)	High	3500K	80	5877	47.0	125
				4000K	80	6254	45.5	138
				5000K	80	6120	47.3	130
2x4	24ARS-L3C3-HO-UNV	Single Carton	Low	3500K	80	6331	47.5	133
				4000K	80	6630	46.0	144
				5000K	80	6528	47.6	137
			Medium	3500K	80	6971	53.5	130
				4000K	80	7332	51.6	142
				5000K	80	7186	53.6	134
			High	3500K	80	7652	60.9	126
				4000K	80	8158	58.4	140
				5000K	80	8064	60.7	133
2x2	22ARS-L3C3-UNV	Single Carton	Low	3500K	80	2767	20.8	133
				4000K	80	2867	20.2	142
				5000K	80	2823	20.8	136
			Medium	3500K	80	3488	27.2	129
				4000K	80	3646	26.3	139
				5000K	80	3563	27.2	131
	22ARS-L3C3-UNV-MP4	Multi-Pack (4)	High	3500K	80	4183	33.4	125
				4000K	80	4308	32.9	131
				5000K	80	4229	33.3	127
2x2	22ARS-L3C3-HO-UNV	Single Carton	Low	3500K	80	5001	38.4	130
				4000K	80	5263	37.0	142
				5000K	80	5142	38.4	134
			Medium	3500K	80	5417	42.3	128
				4000K	80	5705	40.7	140
				5000K	80	5551	42.2	131
			High	3500K	80	5973	46.8	128
				4000K	80	6372	45.1	141
				5000K	80	6204	46.8	133
1x4	14ARS-L3C3-UNV	Single Carton	Low	3500K	80	2790	20.5	136
				4000K	80	2890	19.9	145
				5000K	80	2871	20.6	140
			Medium	3500K	80	3530	26.8	132
				4000K	80	3695	25.9	142
				5000K	80	3632	26.9	135
			High	3500K	80	4584	34.4	133
				4000K	80	4647	32.9	141
				5000K	80	4579	34.1	134

Multi-Pack "MP" option only available for (2) skus listed above.

Metalux — Achieva Selectable Troffer

Achieva Ordering Information/Performance - Square Lens

Default CCT/Lumen Setting: 4000K / Med Power

Size	Catalog Number	Lumen Setting	CCT	CRI (Min)	Delivered Nominal Lumens	Watts	Efficacy (lm/W)
2x4	24ARS-L3C3-SQR-UNV	Low	3500K	80	3432	24.3	141
			4000K	80	3563	23.3	153
			5000K	80	3565	24.1	148
		Medium	3500K	80	4598	33.7	136
			4000K	80	4818	32.1	150
			5000K	80	4781	33.4	143
		High	3500K	80	5919	46.0	129
			4000K	80	6308	43.9	144
			5000K	80	6201	45.7	136
2x4	24ARS-L3C39-SQR-UNV	Low	3500K	90	3379	24.9	136
			4000K	90	3430	24.2	141
			5000K	90	3391	24.9	136
		Medium	3500K	90	4527	34.2	132
			4000K	90	4623	33.2	139
			5000K	90	4544	34.2	133
		High	3500K	90	5933	45.7	130
			4000K	90	6058	44.2	137
			5000K	90	5850	45.8	128
2x4	24ARS-L3C3-HO-SQR-UNV	Low	3500K	80	6267	46.9	134
			4000K	80	6609	45.3	146
			5000K	80	6515	47.1	138
		Medium	3500K	80	6900	52.8	131
			4000K	80	7310	50.8	144
			5000K	80	7172	53.1	135
		High	3500K	80	7574	60.1	126
			4000K	80	8134	57.6	141
			5000K	80	8047	60.0	134
2x2	22ARS-L3C3-SQR-UNV	Low	3500K	80	2785	20.9	133
			4000K	80	2824	20.2	140
			5000K	80	2815	21.0	134
		Medium	3500K	80	3510	27.4	128
			4000K	80	3593	26.2	137
			5000K	80	3553	27.5	129
		High	3500K	80	4209	33.6	125
			4000K	80	4244	32.9	129
			5000K	80	4217	33.6	126
2x2	22ARS-L3C39-SQR-UNV	Low	3500K	90	2704	20.2	134
			4000K	90	2696	19.7	137
			5000K	90	2645	20.0	132
		Medium	3500K	90	3426	26.3	130
			4000K	90	3456	25.6	135
			5000K	90	3362	26.1	129
		High	3500K	90	4118	32.9	125
			4000K	90	4127	32.8	126
			5000K	90	4111	32.9	125

Metalux — Achieva Selectable Troffer

Achieva Ordering Information/Performance - Square Lens

Default CCT/Lumen Setting: 4000K / Med Power

Size	Catalog Number	Lumen Setting	CCT	CRI (Min)	Delivered Nominal Lumens	Watts	Efficacy (lm/W)
2x2	22ARS-L3C3-HO-SQR-UNV	Low	3500K	80	5006	38.5	130
			4000K	80	5273	37.3	142
			5000K	80	5117	38.6	133
		Medium	3500K	80	5421	42.5	127
			4000K	80	5716	41.0	140
			5000K	80	5524	42.5	130
		High	3500K	80	5978	47.0	127
			4000K	80	6384	45.4	141
			5000K	80	6175	47.0	131
1x4	14ARS-L3C3-SQR-UNV	Low	3500K	80	2748	20.6	133
			4000K	80	2876	20.0	144
			5000K	80	2871	20.8	138
		Medium	3500K	80	3478	27.0	129
			4000K	80	3666	26.0	141
			5000K	80	3632	27.1	134
		High	3500K	80	4515	34.6	130
			4000K	80	4623	33.0	140
			5000K	80	4579	34.5	133
1x4	14ARS-L3C39-SQR-UNV	Low	3500K	90	2787	19.7	142
			4000K	90	2830	19.2	147
			5000K	90	2790	19.3	143
		Medium	3500K	90	3532	25.7	137
			4000K	90	3609	25.0	144
			5000K	90	3500	25.2	139
		High	3500K	90	4551	32.6	140
			4000K	90	4567	31.6	145
			5000K	90	4505	32.6	138
1x4	14ARS-L3C3-HO-SQR-UNV	Low	3500K	80	5307	38.3	139
			4000K	80	5438	36.9	147
			5000K	80	5316	38.2	139
		Medium	3500K	80	5761	42.4	136
			4000K	80	5916	40.7	145
			5000K	80	5759	42.2	136
		High	3500K	80	6258	46.9	133
			4000K	80	6469	45.0	144
			5000K	80	6301	46.7	135

Metalux — Achieva Selectable Troffer

Achieva Options

Catalog	Description	Example	Notes
EL7W	7W EM Pack, Installed	22ARS-L3C3-UNV-EL7W	Integrated Indicator/Test Switch into end cap
EL14W	14W EM Pack, Installed	24ARS-L3C3-UNV-EL14W	Integrated Indicator/Test Switch into end cap
A3/8-5/18GDIM	6' Length, 3/8" Cable, 3 Wire, 3 Dimming Leads, Ground	24ARS-L3C3-UNV-A3/8-5/18GDIM	
EL7W-A3/8-5/18GDIM EL14W-A3/8-5/18GDIM	7W/14W EM Pack, Installed, and 6' Flex, 3/8" Cable, 3 Wire, 2 Dimming Leads, Ground	24ARS-L3C3--UNV-EL7W-A3/8-5/18GDIM 22ARS-L3C3--UNV-EL14W-A3/8-5/18GDIM	EL7W and EL14W only use 5/18G flex with emergency. EM pack is always specified before (to the left of) the flex, in the catalog number.
WLS	WaveLinx LITE Wireless Integrated Sensor	22ARS-L3C3-UNV-WLS	Sensor Integrated into end cap
WPS	WaveLinx PRO Wireless Integrated Sensor	24ARS-L3C3-UNV-WPS	Sensor Integrated into end cap

*Emergency + Sensor Available (EL7W/EL14W + WAA/WAB)

Achieva Shipping Data

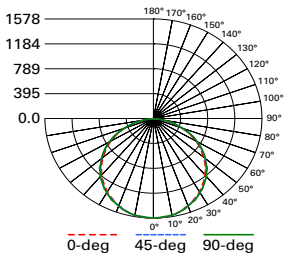
Size	Fixture Net Weight	Fixture Gross Weight	Fixture Dimension	Carton Dimension	Fixtures per Carton	Pallet QTY (Cartons)	Pallet QTY (Fixtures)
2' x 2'	6.8 lbs.	9 lbs.	23.7" L x 1.8" W x 23.7" H	25.7" L x 2.8" W x 26.2" H	1	54	54
2' x 4'	11.3 lbs.	15.8 lbs.	47.7" L x 1.8" W x 23.7" H	50.4" L x 2.8" W x 26" H	1	27	27
1' x 4'	7 lbs.	10.2 lbs.	47.7" L x 1.8" W x 11.7" H	50.4" L x 2.8" W x 15.2" H	1	27	27
2' x 2' MP4	6.8 lbs.	31.8 lbs.	23.7" L x 1.8" W x 23.7" H	27.2" L x 8.1" W x 27.4" H	4	12	48
2' x 4' MP2	11.3 lbs.	30.1 lbs.	47.7" L x 1.8" W x 23.7" H	51.2" L x 5.1" W x 27.8" H	2	9	18

Accessories

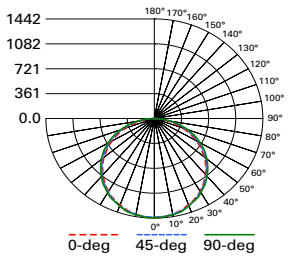
Accessories (order separately)
DF-14W-U=1' x 4' Drywall Frame Kit
DF-22W-U=2' x 2' Drywall Frame Kit
DF-24W-U=2' x 4' Drywall Frame Kit
SK-22-WS=2' x 2' Shallow Surface Mount Kit
SK-24-WS=2' x 4' Shallow Surface Mount Kit
SK-14-WT=1' x 4' Tall Surface Mount Kit
SK-22-WT=2' x 2' Tall Surface Mount Kit
SK-24-WT=2' x 4' Tall Surface Mount Kit

Photometric Data

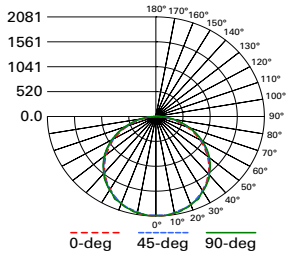
View IES files



14ARS-L3C3-UNV-4000K-HI
Electronic Driver
Linear LED 4000K
Spacing criterion: (II) 1.26 x mounting height, (⊥) 1.28 x mounting height
Lumens: 4647
Input Watts: 32.9W
Efficacy: 141 LPW
Test Report: 14ARS-L3C3-UNV-4000K-HI.IES



22ARS-L3C3-UNV-4000K-HI
Electronic Driver
Linear LED 4000K
Spacing criterion: (II) 1.26 x mounting height, (⊥) 1.28 x mounting height
Lumens: 4308
Input Watts: 32.9W
Efficacy: 131 LPW
Test Report: 22ARS-L3C3-UNV-4000K-HI.IES



24ARS-L3C3-UNV-4000K-HI
Electronic Driver
Linear LED 4000K
Spacing criterion: (II) 1.27 x mounting height, (⊥) 1.29 x mounting height
Lumens: 6254
Input Watts: 45.5W
Efficacy: 138 LPW
Test Report: 24ARS-L3C3-UNV-4000K-HI.IES

Metalux — Achieva Selectable Troffer

Achieva Product Specifications

Construction
- Die formed of code gauge prime cold rolled steel in one-piece housing design
- Four auxiliary fixture end suspension points
- Integral formed one-piece housing improves aesthetic design removing end plate light gaps
- Integrated T-Grid clip design for screw installation to the grid where required by code and in “earthquake” zones

Integrated Controls
- Standard 0-10V dimming driver down to 5%
- Integrated WaveLinx options provide wireless individual fixture control and enable code compliance, increased energy savings, grouping of fixtures, and connection to WaveLinx control system
- Available in 80 CRI or 90 CRI color quality

LED and Light Engine
- Selectable Color temperature choices 3500K, 4000K, and 5000K
- Selectable lumen output up to 8000 lumens, with choices of low, medium, high
- TM21 life at 60,000 hours up to L94 and calculated L70 exceeds 290,000 hrs.
- Driver 120-277V Standard

Emergency Options
- Optional emergency battery available in 7W and 14W
- 90-minute backup period for code compliance
- Factory installed integral test switch visible from room side

Finish
- Powder Coat matte white
- 90% reflective, matte white enamel finish
- Full fixture housing painted after fabrication

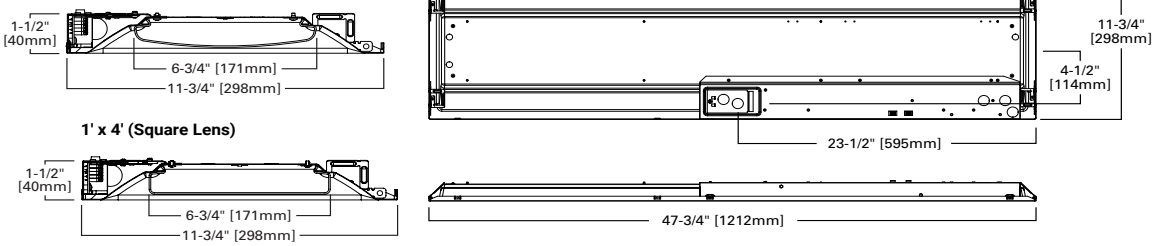
Shielding
- Rounded ribbed frosted lens standard
- Square ribbed frosted lens option

Compliance
- IC rated for insulation contact
- cULus listed for damp locations
- RoHS compliant
- Tested to IESNA LM-79 and LM-80
- Stated life tested to TM21 standards
- Can be used for State of California Title 24 high efficacy luminaire
- Can be use for Non-residentail T24
- DesignLights Consortium® Qualified and classified for DLC Standard and DLC Premium (refer to www.designlights.org)

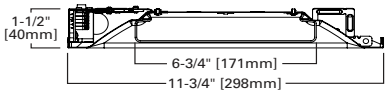
Limited Warranty
- Five-year warranty standard. Optional ten year warranty available.

Dimensional and Mounting Details - Round Lens

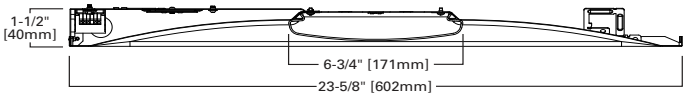
1' x 4' (Round Lens)



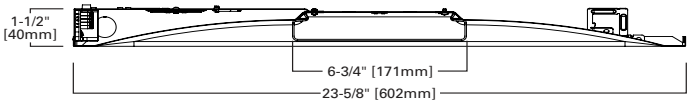
1' x 4' (Square Lens)



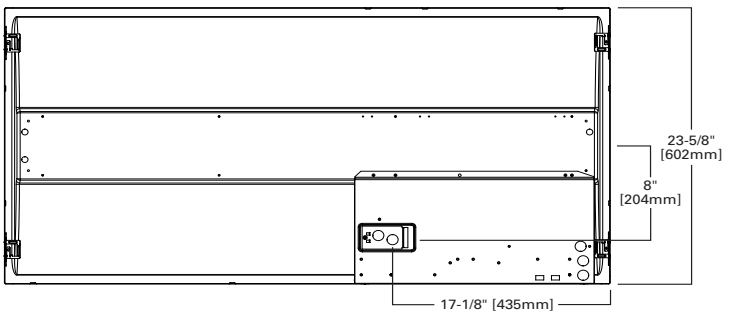
2' x 2', 2' x 4' (Round Lens)



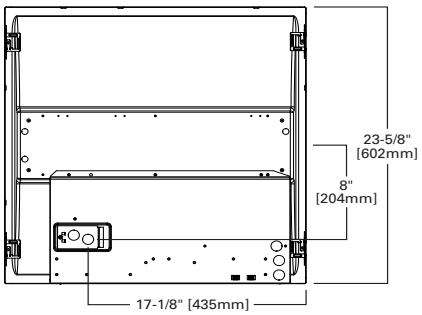
2' x 2', 2' x 4' (Square Lens)



2' x 4'



2' x 2'



Metalux — Achieva Selectable Troffer

Control Solutions

- WaveLinx LITE wireless
- WaveLinx PRO wireless
- WaveLinx CAT wired
- WaveLinx Wired

WaveLinx Digital Lighting Control Solutions

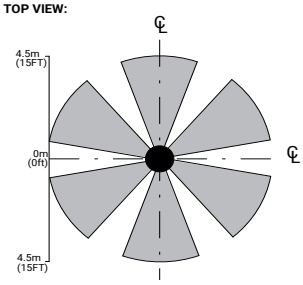
The ARS with WaveLinx offers no-hassle lighting control with multiple luminaire level control solutions.

WaveLinx PRO is a wireless lighting control solution, for connected spaces, that significantly reduces a building's energy consumption. From a single floor to an entire campus, WaveLinx PRO connects more than lighting assets; it shares aggregated sensor data with the WaveLinx CORE platform and other building systems, so building owners can improve operations, spaces environment, and tenants' experience. WaveLinx PRO offers a rich portfolio of wireless devices, WaveLinx PRO-enabled luminaires, and an intuitive WaveLinx mobile app for office, education, warehouse, and parking garage applications.

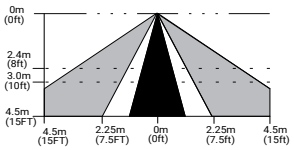
WaveLinx LITE is a cost effective, wireless digital lighting control solution, with out-of-the-box functionality, that saves energy and meets code. It's designed for applications that require occupancy-based, daylighting, or manual light control. Customize installations for office, education, warehouse and parking garages using the secure, simple mobile app.

Integrated Sensor Coverage Pattern

TOP VIEW:



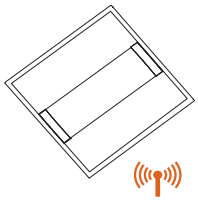
SIDE VIEW:



***Note**: Installation of integrated sensors within 3-ft (1m) of HVAC air vents is not recommended. The pattern shown is intended solely as a general guide and is not to scale.*

With Integrated WaveLinx Sensor

With Integrated WaveLinx Node



Add a hidden WaveLinx sensor node (WPN, WLN) to your space lighting design!

Allows to:

- Keeps luminaire aesthetics
- Connect fixtures without the realestate to include sensor option such as downlights
- Connect sealed fixtures without a standard sensor option such as products for clinical space.

Integrated Controls Options

Option	Out of the Box Functionality	Luminaire Level Lighting Control (LLLC)	Automatic Dimming Photocell	Occupancy Sensing	CCT Control
WLS	X	X	X	X	
WLN		X			
WPS		X	X	X	X
WPN		X			X

Note: WaveLinx utilizes scenes to allow users to change an area's fixtures Correlated Color Temperature (CCT) and intensity using commissioned manual wireless wallstation scene control. To enable CCT adjustments through WaveLinx, include WPS or WPN devices in addition to VividTune or BioUp technologies for integrated fixture control.

Systems comparison chart

Cooper Lighting Solutions provides many lighting system solutions designed to satisfy code requirements and meet the unique needs of any project.

Luminaire with standalone sensor

Standalone Spaces WaveLinx LITE

Standalone Spaces WaveLinx CAT

Networked Spaces WaveLinx PRO

Enterprise WaveLinx CORE

Occupancy	Yes	Yes	Yes	Yes	Yes
Daylighting	Yes	Yes	Yes	Yes	Yes
Wallstations	–	Yes	Yes	Yes	Yes
Gateways	–	–	–	1 WAC	300 WACs
Devices (MAX)	–	40 per Area (1120 per space)	40 per Area	200 per WAC2	32,500 per CORE Enterprise
Software	–	WaveLinx LITE Mobile App	WaveLinx CAT Mobile App	WaveLinx Mobile App	CORE
Areas	–	28 per Space	Unlimited	50 per WAC2	up to 3,000
Zones	–	16 per Area	16 per Area	16 per Area	up to 9,000
Scheduling	–	–	–	Local	Global
VividTune™	–	–	–	Yes	Yes
Plug-Load Control	–	Yes	Yes	Yes	Yes
Low-Voltage Power	–	–	Yes	Yes	Yes
Integration	–	–	–	–	BACnet, API
Dashboards	–	–	–	–	Energy, Occupancy
Configuration	–	Installer	Installer	Technician	Technician / IT

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1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com

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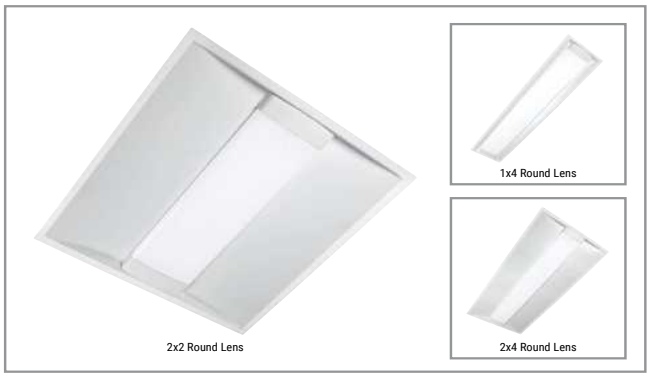
Specifications and dimensions subject to change without notice.

Job Name : JACKSON COUNTY AIRPORT - TERMINAL AREA DEVELOPMENT
Manufacturer : METALUX
Model Number : 22ARS-L3C3-UNV-EL14W

Type : AE

Project		Catalog #		Type	
Prepared by		Notes		Date	



Metalux

Achieva™ Selectable Center Basket

Achieva™ Selectable Lumens and CCT Troffer
1x4 / 2x2 / 2x4

Typical Applications
Offices • Education • Healthcare • Retail

Interactive Menu

- Order Information/Performance page 2
- Photometric Data page 5
- Product Specifications page 6
- Control Solutions page 8
- Product Warranty

Product Certification

Product Features

Top Product Features

- Selectable lumens (low/medium/high) and selectable CCT (3500K/4000K/5000K) in both 80 or 90 CRI for use in a variety of applications and stock simplicity
- Selectable lumens offered in both standard selectable and high output selectable options
- Available in Round or Square lens options
- Shallow plenum - 1.5" depth fits the most challenging spaces
- 0-10V dimming to 5% standard with 120-277V UNV
- Fully assembled driver integrated without exposed wires in the plenum
- Emergency, Wavelinx, and Flex options available
- Matches Achieva Surface for one family look across a space (coming Q4)

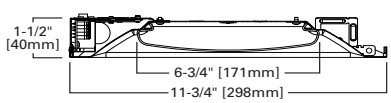
Achieva Dimensions

(Full Dimensions on Page 6)

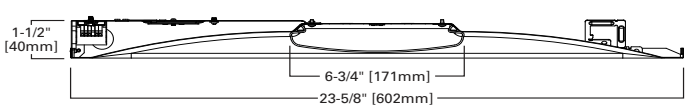
See page 6 for Junction Box details for ARS

additional product diagrams

1' x 4'



2' x 2', 2' x 4'

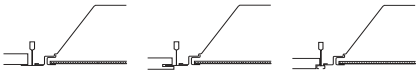


Ceiling Compatibility

G Grid/Lay-in Standard

G Concealed T

G Slot Grid



Ceiling Type	Trim Type
Exposed Grid	Standard
Concealed T	Standard
Slot Grid	Standard
Flange	*

*See Drywall Frame Kit Accessory in Ordering Information Section

Lens

Round Square

Metalux — Achieva Selectable Troffer

Achieva Ordering Information/Performance - Round Lens

Default CCT/Lumen Setting: 4000K / Med Power

Size	Catalog Number	Pack	Lumen Setting	CCT	CRI (Min)	Delivered Nominal Lumens	Watts	Efficacy (lm/W)
2x4	24ARS-L3C3-UNV	Single Carton	Low	3500K	80	3407	24.8	137
				4000K	80	3532	24.2	146
				5000K	80	3519	24.9	141
			Medium	3500K	80	4566	34.4	133
				4000K	80	4777	33.3	143
				5000K	80	4718	34.5	137
	24ARS-L3C3-UNV-MP2	Multi-Pack (2)	High	3500K	80	5877	47.0	125
				4000K	80	6254	45.5	138
				5000K	80	6120	47.3	130
2x4	24ARS-L3C3-HO-UNV	Single Carton	Low	3500K	80	6331	47.5	133
				4000K	80	6630	46.0	144
				5000K	80	6528	47.6	137
			Medium	3500K	80	6971	53.5	130
				4000K	80	7332	51.6	142
				5000K	80	7186	53.6	134
			High	3500K	80	7652	60.9	126
				4000K	80	8158	58.4	140
				5000K	80	8064	60.7	133
2x2	22ARS-L3C3-UNV	Single Carton	Low	3500K	80	2767	20.8	133
				4000K	80	2867	20.2	142
				5000K	80	2823	20.8	136
			Medium	3500K	80	3488	27.2	129
				4000K	80	3646	26.3	139
				5000K	80	3563	27.2	131
	22ARS-L3C3-UNV-MP4	Multi-Pack (4)	High	3500K	80	4183	33.4	125
				4000K	80	4308	32.9	131
				5000K	80	4229	33.3	127
2x2	22ARS-L3C3-HO-UNV	Single Carton	Low	3500K	80	5001	38.4	130
				4000K	80	5263	37.0	142
				5000K	80	5142	38.4	134
			Medium	3500K	80	5417	42.3	128
				4000K	80	5705	40.7	140
				5000K	80	5551	42.2	131
			High	3500K	80	5973	46.8	128
				4000K	80	6372	45.1	141
				5000K	80	6204	46.8	133
1x4	14ARS-L3C3-UNV	Single Carton	Low	3500K	80	2790	20.5	136
				4000K	80	2890	19.9	145
				5000K	80	2871	20.6	140
			Medium	3500K	80	3530	26.8	132
				4000K	80	3695	25.9	142
				5000K	80	3632	26.9	135
			High	3500K	80	4584	34.4	133
				4000K	80	4647	32.9	141
				5000K	80	4579	34.1	134

Multi-Pack "MP" option only available for (2) skus listed above.

Metalux — Achieva Selectable Troffer

Achieva Ordering Information/Performance - Square Lens

Default CCT/Lumen Setting: 4000K / Med Power

Size	Catalog Number	Lumen Setting	CCT	CRI (Min)	Delivered Nominal Lumens	Watts	Efficacy (lm/W)
2x4	24ARS-L3C3-SQR-UNV	Low	3500K	80	3432	24.3	141
			4000K	80	3563	23.3	153
			5000K	80	3565	24.1	148
		Medium	3500K	80	4598	33.7	136
			4000K	80	4818	32.1	150
			5000K	80	4781	33.4	143
		High	3500K	80	5919	46.0	129
			4000K	80	6308	43.9	144
			5000K	80	6201	45.7	136
2x4	24ARS-L3C39-SQR-UNV	Low	3500K	90	3379	24.9	136
			4000K	90	3430	24.2	141
			5000K	90	3391	24.9	136
		Medium	3500K	90	4527	34.2	132
			4000K	90	4623	33.2	139
			5000K	90	4544	34.2	133
		High	3500K	90	5933	45.7	130
			4000K	90	6058	44.2	137
			5000K	90	5850	45.8	128
2x4	24ARS-L3C3-HO-SQR-UNV	Low	3500K	80	6267	46.9	134
			4000K	80	6609	45.3	146
			5000K	80	6515	47.1	138
		Medium	3500K	80	6900	52.8	131
			4000K	80	7310	50.8	144
			5000K	80	7172	53.1	135
		High	3500K	80	7574	60.1	126
			4000K	80	8134	57.6	141
			5000K	80	8047	60.0	134
2x2	22ARS-L3C3-SQR-UNV	Low	3500K	80	2785	20.9	133
			4000K	80	2824	20.2	140
			5000K	80	2815	21.0	134
		Medium	3500K	80	3510	27.4	128
			4000K	80	3593	26.2	137
			5000K	80	3553	27.5	129
		High	3500K	80	4209	33.6	125
			4000K	80	4244	32.9	129
			5000K	80	4217	33.6	126
2x2	22ARS-L3C39-SQR-UNV	Low	3500K	90	2704	20.2	134
			4000K	90	2696	19.7	137
			5000K	90	2645	20.0	132
		Medium	3500K	90	3426	26.3	130
			4000K	90	3456	25.6	135
			5000K	90	3362	26.1	129
		High	3500K	90	4118	32.9	125
			4000K	90	4127	32.8	126
			5000K	90	4111	32.9	125

Metalux — Achieva Selectable Troffer

Achieva Ordering Information/Performance - Square Lens

Default CCT/Lumen Setting: 4000K / Med Power

Size	Catalog Number	Lumen Setting	CCT	CRI (Min)	Delivered Nominal Lumens	Watts	Efficacy (lm/W)
2x2	22ARS-L3C3-HO-SQR-UNV	Low	3500K	80	5006	38.5	130
			4000K	80	5273	37.3	142
			5000K	80	5117	38.6	133
		Medium	3500K	80	5421	42.5	127
			4000K	80	5716	41.0	140
			5000K	80	5524	42.5	130
		High	3500K	80	5978	47.0	127
			4000K	80	6384	45.4	141
			5000K	80	6175	47.0	131
1x4	14ARS-L3C3-SQR-UNV	Low	3500K	80	2748	20.6	133
			4000K	80	2876	20.0	144
			5000K	80	2871	20.8	138
		Medium	3500K	80	3478	27.0	129
			4000K	80	3666	26.0	141
			5000K	80	3632	27.1	134
		High	3500K	80	4515	34.6	130
			4000K	80	4623	33.0	140
			5000K	80	4579	34.5	133
1x4	14ARS-L3C39-SQR-UNV	Low	3500K	90	2787	19.7	142
			4000K	90	2830	19.2	147
			5000K	90	2790	19.3	143
		Medium	3500K	90	3532	25.7	137
			4000K	90	3609	25.0	144
			5000K	90	3500	25.2	139
		High	3500K	90	4551	32.6	140
			4000K	90	4567	31.6	145
			5000K	90	4505	32.6	138
1x4	14ARS-L3C3-HO-SQR-UNV	Low	3500K	80	5307	38.3	139
			4000K	80	5438	36.9	147
			5000K	80	5316	38.2	139
		Medium	3500K	80	5761	42.4	136
			4000K	80	5916	40.7	145
			5000K	80	5759	42.2	136
		High	3500K	80	6258	46.9	133
			4000K	80	6469	45.0	144
			5000K	80	6301	46.7	135

Metalux — Achieva Selectable Troffer

Achieva Options

Catalog	Description	Example	Notes
EL7W	7W EM Pack, Installed	22ARS-L3C3-UNV-EL7W	Integrated Indicator/Test Switch into end cap
EL14W	14W EM Pack, Installed	24ARS-L3C3-UNV-EL14W	Integrated Indicator/Test Switch into end cap
A3/8-5/18GDIM	6' Length, 3/8" Cable, 3 Wire, 3 Dimming Leads, Ground	24ARS-L3C3-UNV-A3/8-5/18GDIM	
EL7W-A3/8-5/18GDIM EL14W-A3/8-5/18GDIM	7W/14W EM Pack, Installed, and 6' Flex, 3/8" Cable, 3 Wire, 2 Dimming Leads, Ground	24ARS-L3C3--UNV-EL7W-A3/8-5/18GDIM 22ARS-L3C3--UNV-EL14W-A3/8-5/18GDIM	EL7W and EL14W only use 5/18G flex with emergency. EM pack is always specified before (to the left of) the flex, in the catalog number.
WLS	WaveLinx LITE Wireless Integrated Sensor	22ARS-L3C3-UNV-WLS	Sensor Integrated into end cap
WPS	WaveLinx PRO Wireless Integrated Sensor	24ARS-L3C3-UNV-WPS	Sensor Integrated into end cap

*Emergency + Sensor Available (EL7W/EL14W + WAA/WAB)

Achieva Shipping Data

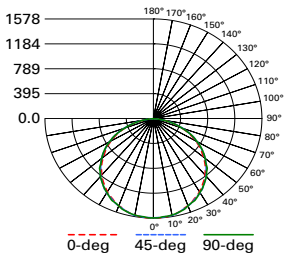
Size	Fixture Net Weight	Fixture Gross Weight	Fixture Dimension	Carton Dimension	Fixtures per Carton	Pallet QTY (Cartons)	Pallet QTY (Fixtures)
2' x 2'	6.8 lbs.	9 lbs.	23.7" L x 1.8" W x 23.7" H	25.7" L x 2.8" W x 26.2" H	1	54	54
2' x 4'	11.3 lbs.	15.8 lbs.	47.7" L x 1.8" W x 23.7" H	50.4" L x 2.8" W x 26" H	1	27	27
1' x 4'	7 lbs.	10.2 lbs.	47.7" L x 1.8" W x 11.7" H	50.4" L x 2.8" W x 15.2" H	1	27	27
2' x 2' MP4	6.8 lbs.	31.8 lbs.	23.7" L x 1.8" W x 23.7" H	27.2" L x 8.1" W x 27.4" H	4	12	48
2' x 4' MP2	11.3 lbs.	30.1 lbs.	47.7" L x 1.8" W x 23.7" H	51.2" L x 5.1" W x 27.8" H	2	9	18

Accessories

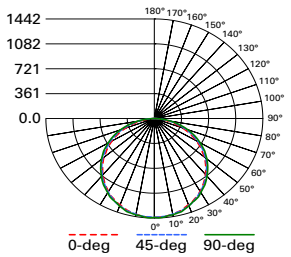
Accessories (order separately)
DF-14W-U=1' x 4' Drywall Frame Kit
DF-22W-U=2' x 2' Drywall Frame Kit
DF-24W-U=2' x 4' Drywall Frame Kit
SK-22-WS=2' x 2' Shallow Surface Mount Kit
SK-24-WS=2' x 4' Shallow Surface Mount Kit
SK-14-WT=1' x 4' Tall Surface Mount Kit
SK-22-WT=2' x 2' Tall Surface Mount Kit
SK-24-WT=2' x 4' Tall Surface Mount Kit

Photometric Data

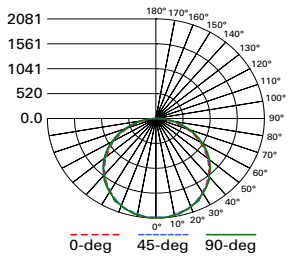
View IES files



14ARS-L3C3-UNV-4000K-HI
Electronic Driver
Linear LED 4000K
Spacing criterion: (II) 1.26 x mounting height, (⊥) 1.28 x mounting height
Lumens: 4647
Input Watts: 32.9W
Efficacy: 141 LPW
Test Report: 14ARS-L3C3-UNV-4000K-HI.IES



22ARS-L3C3-UNV-4000K-HI
Electronic Driver
Linear LED 4000K
Spacing criterion: (II) 1.26 x mounting height, (⊥) 1.28 x mounting height
Lumens: 4308
Input Watts: 32.9W
Efficacy: 131 LPW
Test Report: 22ARS-L3C3-UNV-4000K-HI.IES



24ARS-L3C3-UNV-4000K-HI
Electronic Driver
Linear LED 4000K
Spacing criterion: (II) 1.27 x mounting height, (⊥) 1.29 x mounting height
Lumens: 6254
Input Watts: 45.5W
Efficacy: 138 LPW
Test Report: 24ARS-L3C3-UNV-4000K-HI.IES

Metalux — Achieva Selectable Troffer

Achieva Product Specifications

Construction
- Die formed of code gauge prime cold rolled steel in one-piece housing design
- Four auxiliary fixture end suspension points
- Integral formed one-piece housing improves aesthetic design removing end plate light gaps
- Integrated T-Grid clip design for screw installation to the grid where required by code and in “earthquake” zones

Integrated Controls
- Standard 0-10V dimming driver down to 5%
- Integrated WaveLinx options provide wireless individual fixture control and enable code compliance, increased energy savings, grouping of fixtures, and connection to WaveLinx control system
- Available in 80 CRI or 90 CRI color quality

LED and Light Engine
- Selectable Color temperature choices 3500K, 4000K, and 5000K
- Selectable lumen output up to 8000 lumens, with choices of low, medium, high
- TM21 life at 60,000 hours up to L94 and calculated L70 exceeds 290,000 hrs.
- Driver 120-277V Standard

Emergency Options
- Optional emergency battery available in 7W and 14W
- 90-minute backup period for code compliance
- Factory installed integral test switch visible from room side

Finish
- Powder Coat matte white
- 90% reflective, matte white enamel finish
- Full fixture housing painted after fabrication

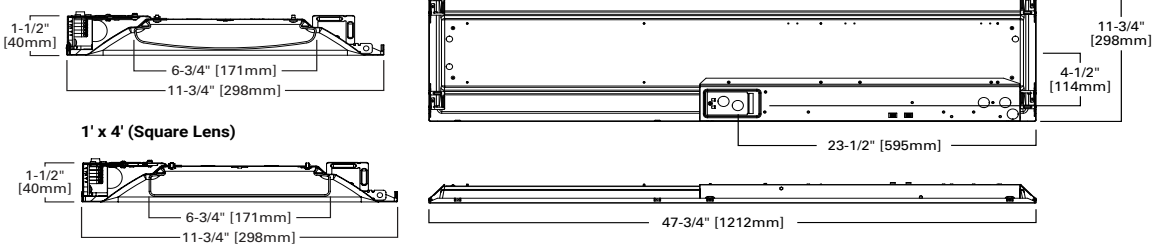
Shielding
- Rounded ribbed frosted lens standard
- Square ribbed frosted lens option

Compliance
- IC rated for insulation contact
- cULus listed for damp locations
- RoHS compliant
- Tested to IESNA LM-79 and LM-80
- Stated life tested to TM21 standards
- Can be used for State of California Title 24 high efficacy luminaire
- Can be use for Non-residentail T24
- DesignLights Consortium® Qualified and classified for DLC Standard and DLC Premium (refer to www.designlights.org)

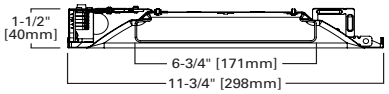
Limited Warranty
- Five-year warranty standard. Optional ten year warranty available.

Dimensional and Mounting Details - Round Lens

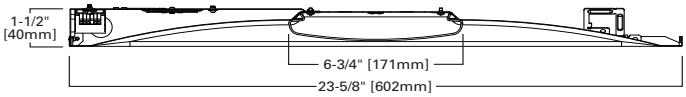
1' x 4' (Round Lens)



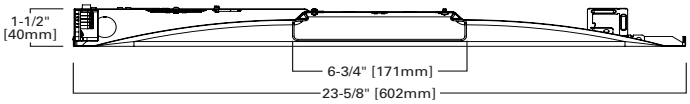
1' x 4' (Square Lens)



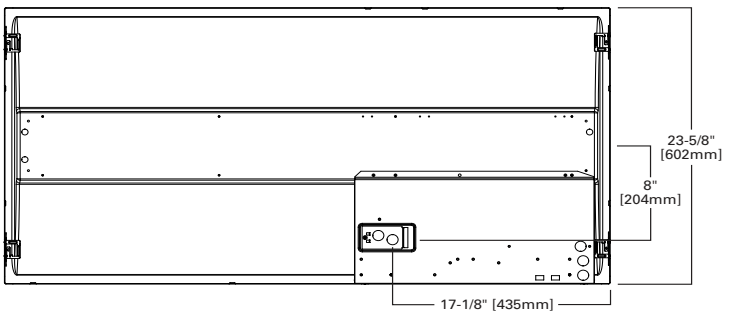
2' x 2', 2' x 4' (Round Lens)



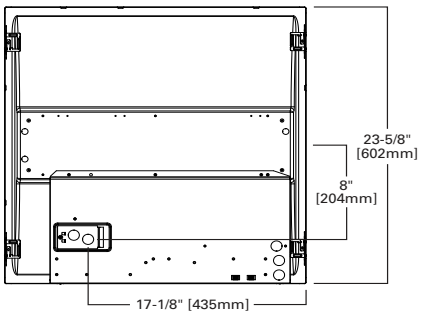
2' x 2', 2' x 4' (Square Lens)



2' x 4'



2' x 2'



Metalux — Achieva Selectable Troffer

Control Solutions

- WaveLinx LITE wireless
- WaveLinx PRO wireless
- WaveLinx CAT wired
- WaveLinx Wired

WaveLinx Digital Lighting Control Solutions

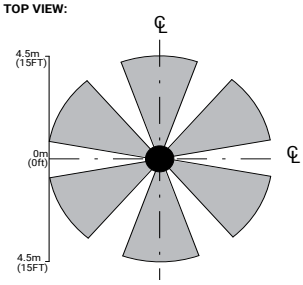
The ARS with WaveLinx offers no-hassle lighting control with multiple luminaire level control solutions.

WaveLinx PRO is a wireless lighting control solution, for connected spaces, that significantly reduces a building's energy consumption. From a single floor to an entire campus, WaveLinx PRO connects more than lighting assets; it shares aggregated sensor data with the WaveLinx CORE platform and other building systems, so building owners can improve operations, spaces environment, and tenants' experience. WaveLinx PRO offers a rich portfolio of wireless devices, WaveLinx PRO-enabled luminaires, and an intuitive WaveLinx mobile app for office, education, warehouse, and parking garage applications.

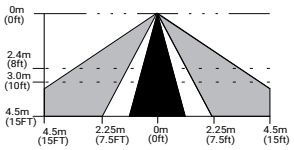
WaveLinx LITE is a cost effective, wireless digital lighting control solution, with out-of-the-box functionality, that saves energy and meets code. It's designed for applications that require occupancy-based, daylighting, or manual light control. Customize installations for office, education, warehouse and parking garages using the secure, simple mobile app.

Integrated Sensor Coverage Pattern

TOP VIEW:



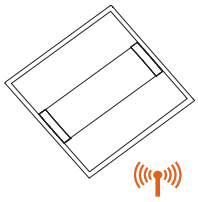
SIDE VIEW:



***Note**: Installation of integrated sensors within 3-ft (1m) of HVAC air vents is not recommended. The pattern shown is intended solely as a general guide and is not to scale.*

With Integrated WaveLinx Sensor

With Integrated WaveLinx Node



Add a hidden WaveLinx sensor node (WPN, WLN) to your space lighting design!

Allows to:

- Keeps luminaire aesthetics
- Connect fixtures without the realestate to include sensor option such as downlights
- Connect sealed fixtures without a standard sensor option such as products for clinical space.

Integrated Controls Options

Option	Out of the Box Functionality	Luminaire Level Lighting Control (LLLC)	Automatic Dimming Photocell	Occupancy Sensing	CCT Control
WLS	X	X	X	X	
WLN		X			
WPS		X	X	X	X
WPN		X			X

Note: WaveLinx utilizes scenes to allow users to change an area's fixtures Correlated Color Temperature (CCT) and intensity using commissioned manual wireless wallstation scene control. To enable CCT adjustments through WaveLinx, include WPS or WPN devices in addition to VividTune or BioUp technologies for integrated fixture control.

Systems comparison chart

Cooper Lighting Solutions provides many lighting system solutions designed to satisfy code requirements and meet the unique needs of any project.

Luminaire with standalone sensor

Standalone Spaces WaveLinx LITE

Standalone Spaces WaveLinx CAT

Networked Spaces WaveLinx PRO

Enterprise WaveLinx CORE

Occupancy	Yes	Yes	Yes	Yes	Yes
Daylighting	Yes	Yes	Yes	Yes	Yes
Wallstations	–	Yes	Yes	Yes	Yes
Gateways	–	–	–	1 WAC	300 WACs
Devices (MAX)	–	40 per Area (1120 per space)	40 per Area	200 per WAC2	32,500 per CORE Enterprise
Software	–	WaveLinx LITE Mobile App	WaveLinx CAT Mobile App	WaveLinx Mobile App	CORE
Areas	–	28 per Space	Unlimited	50 per WAC2	up to 3,000
Zones	–	16 per Area	16 per Area	16 per Area	up to 9,000
Scheduling	–	–	–	Local	Global
VividTune™	–	–	–	Yes	Yes
Plug-Load Control	–	Yes	Yes	Yes	Yes
Low-Voltage Power	–	–	Yes	Yes	Yes
Integration	–	–	–	–	BACnet, API
Dashboards	–	–	–	–	Energy, Occupancy
Configuration	–	Installer	Installer	Technician	Technician / IT

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Specifications and dimensions subject to change without notice.

Job Name : JACKSON COUNTY AIRPORT - TERMINAL AREA DEVELOPMENT
Manufacturer : METALUX
Model Number : 22ARS-L3C3-UNV

Type : B

Project		Catalog #		Type	
Prepared by		Notes		Date	

Metalux

Achieva™ Selectable Center Basket

Achieva™ Selectable Lumens and CCT Troffer
1x4 / 2x2 / 2x4

Typical Applications
Offices • Education • Healthcare • Retail

Interactive Menu

- Order Informatio/Performance page 2
- Photometric Data page 3
- Product Specifications page 4
- Product Warranty

Product Certification

Product Features

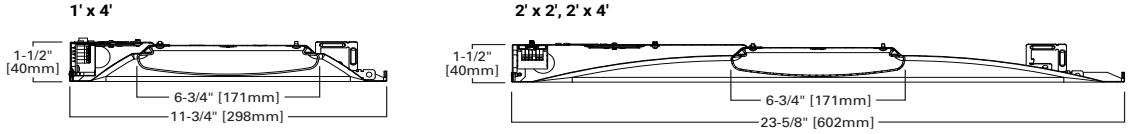
damp location

Top Product Features

- Selectable lumens (low/medium/high) and selectable CCT (3500K/4000K/5000K) for use in a variety of applications and stock simplicity
- Selectable lumens offered in both standard selectable and high output selectable options
- Shallow plenum - 1.5” depth fits the most challenging spaces
- 0-10V dimming to 5% standard with 120-277V UNV
- Fully assembled driver integrated without exposed wires in the plenum.
- Emergency, Wavelinx, and Flex options available
- Integrated grid clips with holes for retaining wire and end hole to enable secure attachment to the grid where required
- Matches Achieva Surface for one family look across a space (Coming Q4)

Achieva Dimensions

(Full Dimensions on Page 3)



See page 4 for Junction Box details for ARS

additional product diagrams

Metalux — Achieva Selectable Troffer

Achieva Ordering Information/Performance

Size	Catalog Number	Pack	Lumen Setting	CCT	CRI (Min)	Delivered Nominal Lumens	Watts	Efficacy (lm/W)
2x4	24ARS-L3C3-UNV	Single Carton	Low	3500K	80	3407	24.8	137
				4000K	80	3532	24.2	146
				5000K	80	3519	24.9	141
			Medium	3500K	80	4566	34.4	133
				4000K	80	4777	33.3	143
				5000K	80	4718	34.5	137
	24ARS-L3C3-UNV-MP2	Multi-Pack (2)	High	3500K	80	5877	47.0	125
				4000K	80	6254	45.5	138
				5000K	80	6120	47.3	130
2x4	24ARS-L3C3-HO-UNV	Single Carton	Low	3500K	80	6331	47.5	133
				4000K	80	6630	46.0	144
				5000K	80	6528	47.6	137
			Medium	3500K	80	6971	53.5	130
				4000K	80	7332	51.6	142
				5000K	80	7186	53.6	134
			High	3500K	80	7652	60.9	126
				4000K	80	8158	58.4	140
				5000K	80	8064	60.7	133
2x2	22ARS-L3C3-UNV	Single Carton	Low	3500K	80	2767	20.8	133
				4000K	80	2867	20.2	142
				5000K	80	2823	20.8	136
			Medium	3500K	80	3488	27.2	129
				4000K	80	3646	26.3	139
				5000K	80	3563	27.2	131
	22ARS-L3C3-UNV-MP4	Multi-Pack (4)	High	3500K	80	4183	33.4	125
				4000K	80	4308	32.9	131
				5000K	80	4229	33.3	127
2x2	22ARS-L3C3-HO-UNV	Single Carton	Low	3500K	80	5001	38.4	130
				4000K	80	5263	37.0	142
				5000K	80	5142	38.4	134
			Medium	3500K	80	5417	42.3	128
				4000K	80	5705	40.7	140
				5000K	80	5551	42.2	131
			High	3500K	80	5973	46.8	128
				4000K	80	6372	45.1	141
				5000K	80	6204	46.8	133
1x4	14ARS-L3C3-UNV	Single Carton	Low	3500K	80	2790	20.5	136
				4000K	80	2890	19.9	145
				5000K	80	2871	20.6	140
			Medium	3500K	80	3530	26.8	132
				4000K	80	3695	25.9	142
				5000K	80	3632	26.9	135
			High	3500K	80	4584	34.4	133
				4000K	80	4647	32.9	141
				5000K	80	4579	34.1	134

Metalux — Achieva Selectable Troffer

Achieva Options

Catalog	Description	Example	Notes
EL7W	7W EM Pack, Installed	22ARS-L3C3-EL7W	Integrated Indicator/Test Switch into end cap
EL14W	14W EM Pack, Installed	24ARS-L3C3-EL14W	Integrated Indicator/Test Switch into end cap
A3/8-5/18GDIM	6' Length, 3/8" Cable, 3 Wire, 3 Dimming Leads, Ground	24ARS-L3C3-A3/8-5/18GDIM	
EL7W-A3/8-5/18GDIM EL14W-A3/8-5/18GDIM	7W/14W EM Pack, Installed, and 6' Flex, 3/8" Cable, 3 Wire, 2 Dimming Leads, Ground	24ARS-L3C3-EL14W-A3/8-5/18GDIM 22ARS-L3C3-EL7W-A3/8-5/18GDIM	EL7W and EL14W can be used with any of the optional flex. EM pack is always specified before (to the left of) the flex, in the catalog number.
WAB	WaveLinx Lite Wireless Integrated Sensor	22ARS-L3C3-WAB	Sensor Integrated into end cap
WAA	WaveLinx Wireless Integrated Sensor	24ARS-L3C3-WAA	Sensor Integrated into end cap

*Emergency + Sensor Available (EL7W/EL14W + WAA/WAB)

Achieva Shipping Data

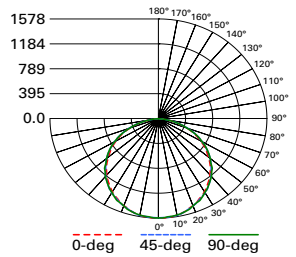
Size	Fixture Net Weight	Fixture Gross Weight	Fixture Dimension	Carton Dimension	Carton QTY
2' x 2'	6.8 lbs.	9 lbs.	23.7" L x 1.8" W x 23.7" H	25.7" L x 2.8" W x 26.2" H	1
2' x 4'	11.3 lbs.	15.8 lbs.	47.7" L x 1.8" W x 23.7" H	50.4" L x 2.8" W x 26" H	1
1' x 4'	7 lbs.	10.2 lbs.	47.7" L x 1.8" W x 11.7" H	50.4" L x 2.8" W x 15.2" H	1

Accessories

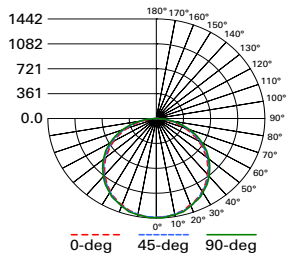
Accessories (order separately)
DF-14W-U=1' x 4' Drywall Frame Kit **DF-22W-U**=2' x 2' Drywall Frame Kit **DF-24W-U**=2' x 4' Drywall Frame Kit **SK-22-WS**=2' x 2' Shallow Surface Mount Kit **SK-24-WS**=2' x 4' Shallow Surface Mount Kit **SK-14-WT**=1' x 4' Tall Surface Mount Kit **SK-22-WT**=2' x 2' Tall Surface Mount Kit **SK-24-WT**=2' x 4' Tall Surface Mount Kit

Photometric Data

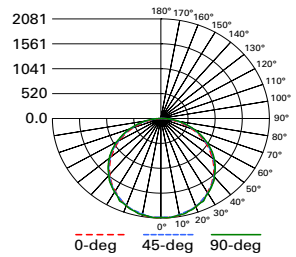
View IES files



14ARS-L3C3-UNV-4000K-HI
Electronic Driver
Linear LED 4000K
Spacing criterion: (II) 1.26 x mounting height, (⊥) 1.28 x mounting height
Lumens: 4647
Input Watts: 32.9W
Efficacy: 141 LPW
Test Report: 14ARS-L3C3-UNV-4000K-HI.IES



22ARS-L3C3-UNV-4000K-HI
Electronic Driver
Linear LED 4000K
Spacing criterion: (II) 1.26 x mounting height, (⊥) 1.28 x mounting height
Lumens: 4308
Input Watts: 32.9W
Efficacy: 131 LPW
Test Report: 22ARS-L3C3-UNV-4000K-HI.IES



24ARS-L3C3-UNV-4000K-HI
Electronic Driver
Linear LED 4000K
Spacing criterion: (II) 1.27 x mounting height, (⊥) 1.29 x mounting height
Lumens: 6254
Input Watts: 45.5W
Efficacy: 138 LPW
Test Report: 24ARS-L3C3-UNV-4000K-HI.IES

Metalux — Achieva Selectable Troffer

Achieva Product Specifications

Construction
- Die formed of code gauge prime cold rolled steel in one-piece housing design
- Four auxiliary fixture end suspension points
- Integral formed one-piece housing improves aesthetic design removing end plate light gaps
- Integrated T-Grid clip design for screw installation to the grid where required by code and in “earthquake” zones

Integrated Controls
- Standard 0-10V dimming driver down to 5%

LED and Light Engine
- Selectable Color temperature choices 3500K, 4000K, and 5000K
- Selectable lumen output up to 8000 lumens, with choices of low, medium, high
- TM21 life at 60,000 hours up to L94 and calculated L70 exceeds 290,000 hrs.
- Driver 120-277V Standard

Emergency Options
- Optional emergency battery available in 7W and 14W
- 90-minute backup period for code compliance
- Factory installed integral test switch visible from room side

Finish
- Powder Coat matte white
- 90% reflective, matte white enamel finish
- Full fixture housing painted after fabrication

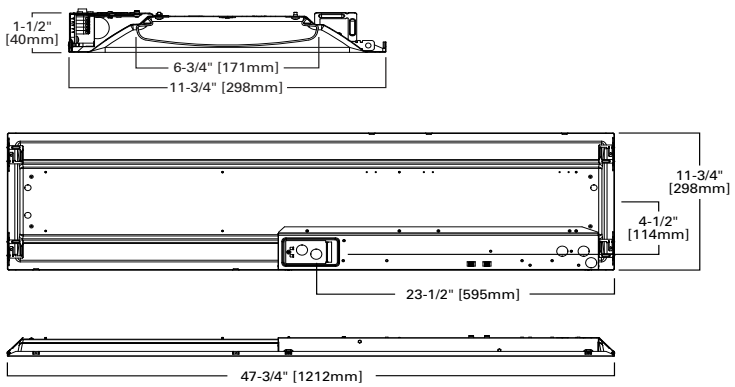
Shielding
- Rounded ribbed frosted lens standard
- Square ribbed frosted option coming Q1 (Consult Factory)

Compliance
- IC rated for insulation contact
- cULus listed for damp locations
- RoHS compliant
- Tested to IESNA LM-79 and LM-80
- Stated life tested to TM21 standards
- Can be used for State of California Title 24 high efficacy luminaire
- Can be use for Non-residentail T24
- DesignLights Consortium® Qualified and classified for DLC Standard and DLC Premium (refer to www.designlights.org)

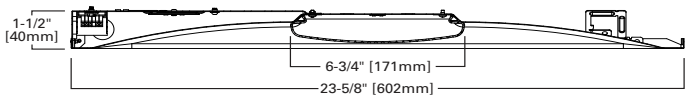
Limited Warranty
- Five-year warranty standard. Optional ten year warranty available.

Dimensional and Mounting Details

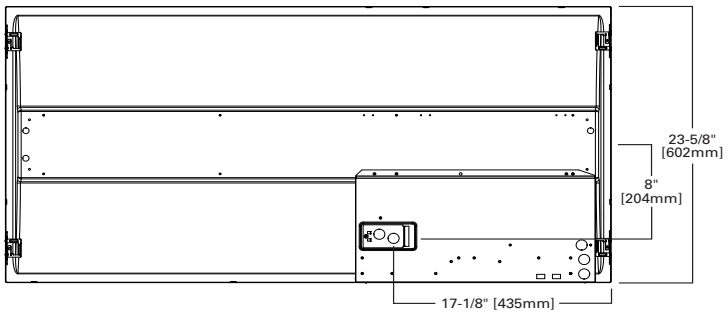
1’ x 4’



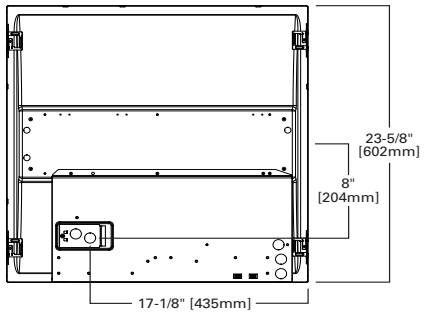
2’ x 2’, 2’ x 4’



2’ x 4’



2’ x 2’



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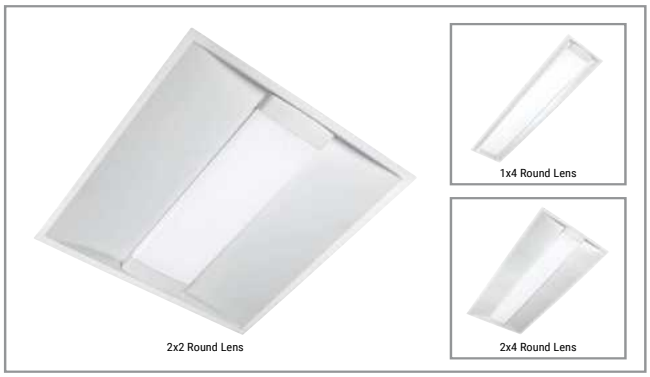
Specifications and dimensions subject to change without notice.

Job Name : JACKSON COUNTY AIRPORT - TERMINAL AREA DEVELOPMENT
Manufacturer : METALUX
Model Number : 22ARS-L3C3-UNV-EL14W

Type : BE

Project		Catalog #		Type	
Prepared by		Notes		Date	



Metalux

Achieva™ Selectable Center Basket

Achieva™ Selectable Lumens and CCT Troffer
1x4 / 2x2 / 2x4

Typical Applications
Offices • Education • Healthcare • Retail

Interactive Menu

- Order Information/Performance page 2
- Photometric Data page 5
- Product Specifications page 6
- Control Solutions page 8
- Product Warranty

Product Certification

Product Features

Top Product Features

- Selectable lumens (low/medium/high) and selectable CCT (3500K/4000K/5000K) in both 80 or 90 CRI for use in a variety of applications and stock simplicity
- Selectable lumens offered in both standard selectable and high output selectable options
- Available in Round or Square lens options
- Shallow plenum - 1.5" depth fits the most challenging spaces
- 0-10V dimming to 5% standard with 120-277V UNV
- Fully assembled driver integrated without exposed wires in the plenum
- Emergency, Wavelinx, and Flex options available
- Matches Achieva Surface for one family look across a space (coming Q4)

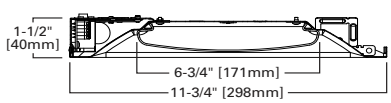
Achieva Dimensions

(Full Dimensions on Page 6)

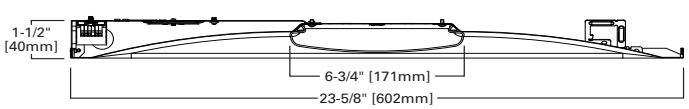
See page 6 for Junction Box details for ARS

additional product diagrams

1' x 4'



2' x 2', 2' x 4'

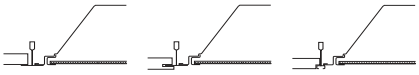


Ceiling Compatibility

G Grid/Lay-in Standard

G Concealed T

G Slot Grid



Ceiling Type	Trim Type
Exposed Grid	Standard
Concealed T	Standard
Slot Grid	Standard
Flange	*

*See Drywall Frame Kit Accessory in Ordering Information Section

Lens

Round | Square

Metalux — Achieva Selectable Troffer

Achieva Ordering Information/Performance - Round Lens

Default CCT/Lumen Setting: 4000K / Med Power

Size	Catalog Number	Pack	Lumen Setting	CCT	CRI (Min)	Delivered Nominal Lumens	Watts	Efficacy (lm/W)
2x4	24ARS-L3C3-UNV	Single Carton	Low	3500K	80	3407	24.8	137
				4000K	80	3532	24.2	146
				5000K	80	3519	24.9	141
			Medium	3500K	80	4566	34.4	133
				4000K	80	4777	33.3	143
				5000K	80	4718	34.5	137
	24ARS-L3C3-UNV-MP2	Multi-Pack (2)	High	3500K	80	5877	47.0	125
				4000K	80	6254	45.5	138
				5000K	80	6120	47.3	130
2x4	24ARS-L3C3-HO-UNV	Single Carton	Low	3500K	80	6331	47.5	133
				4000K	80	6630	46.0	144
				5000K	80	6528	47.6	137
			Medium	3500K	80	6971	53.5	130
				4000K	80	7332	51.6	142
				5000K	80	7186	53.6	134
			High	3500K	80	7652	60.9	126
				4000K	80	8158	58.4	140
				5000K	80	8064	60.7	133
2x2	22ARS-L3C3-UNV	Single Carton	Low	3500K	80	2767	20.8	133
				4000K	80	2867	20.2	142
				5000K	80	2823	20.8	136
			Medium	3500K	80	3488	27.2	129
				4000K	80	3646	26.3	139
				5000K	80	3563	27.2	131
	22ARS-L3C3-UNV-MP4	Multi-Pack (4)	High	3500K	80	4183	33.4	125
				4000K	80	4308	32.9	131
				5000K	80	4229	33.3	127
2x2	22ARS-L3C3-HO-UNV	Single Carton	Low	3500K	80	5001	38.4	130
				4000K	80	5263	37.0	142
				5000K	80	5142	38.4	134
			Medium	3500K	80	5417	42.3	128
				4000K	80	5705	40.7	140
				5000K	80	5551	42.2	131
			High	3500K	80	5973	46.8	128
				4000K	80	6372	45.1	141
				5000K	80	6204	46.8	133
1x4	14ARS-L3C3-UNV	Single Carton	Low	3500K	80	2790	20.5	136
				4000K	80	2890	19.9	145
				5000K	80	2871	20.6	140
			Medium	3500K	80	3530	26.8	132
				4000K	80	3695	25.9	142
				5000K	80	3632	26.9	135
			High	3500K	80	4584	34.4	133
				4000K	80	4647	32.9	141
				5000K	80	4579	34.1	134

Multi-Pack "MP" option only available for (2) skus listed above.

Metalux — Achieva Selectable Troffer

Achieva Ordering Information/Performance - Square Lens

Default CCT/Lumen Setting: 4000K / Med Power

Size	Catalog Number	Lumen Setting	CCT	CRI (Min)	Delivered Nominal Lumens	Watts	Efficacy (lm/W)
2x4	24ARS-L3C3-SQR-UNV	Low	3500K	80	3432	24.3	141
			4000K	80	3563	23.3	153
			5000K	80	3565	24.1	148
		Medium	3500K	80	4598	33.7	136
			4000K	80	4818	32.1	150
			5000K	80	4781	33.4	143
		High	3500K	80	5919	46.0	129
			4000K	80	6308	43.9	144
			5000K	80	6201	45.7	136
2x4	24ARS-L3C39-SQR-UNV	Low	3500K	90	3379	24.9	136
			4000K	90	3430	24.2	141
			5000K	90	3391	24.9	136
		Medium	3500K	90	4527	34.2	132
			4000K	90	4623	33.2	139
			5000K	90	4544	34.2	133
		High	3500K	90	5933	45.7	130
			4000K	90	6058	44.2	137
			5000K	90	5850	45.8	128
2x4	24ARS-L3C3-HO-SQR-UNV	Low	3500K	80	6267	46.9	134
			4000K	80	6609	45.3	146
			5000K	80	6515	47.1	138
		Medium	3500K	80	6900	52.8	131
			4000K	80	7310	50.8	144
			5000K	80	7172	53.1	135
		High	3500K	80	7574	60.1	126
			4000K	80	8134	57.6	141
			5000K	80	8047	60.0	134
2x2	22ARS-L3C3-SQR-UNV	Low	3500K	80	2785	20.9	133
			4000K	80	2824	20.2	140
			5000K	80	2815	21.0	134
		Medium	3500K	80	3510	27.4	128
			4000K	80	3593	26.2	137
			5000K	80	3553	27.5	129
		High	3500K	80	4209	33.6	125
			4000K	80	4244	32.9	129
			5000K	80	4217	33.6	126
2x2	22ARS-L3C39-SQR-UNV	Low	3500K	90	2704	20.2	134
			4000K	90	2696	19.7	137
			5000K	90	2645	20.0	132
		Medium	3500K	90	3426	26.3	130
			4000K	90	3456	25.6	135
			5000K	90	3362	26.1	129
		High	3500K	90	4118	32.9	125
			4000K	90	4127	32.8	126
			5000K	90	4111	32.9	125

Metalux — Achieva Selectable Troffer

Achieva Ordering Information/Performance - Square Lens

Default CCT/Lumen Setting: 4000K / Med Power

Size	Catalog Number	Lumen Setting	CCT	CRI (Min)	Delivered Nominal Lumens	Watts	Efficacy (lm/W)
2x2	22ARS-L3C3-HO-SQR-UNV	Low	3500K	80	5006	38.5	130
			4000K	80	5273	37.3	142
			5000K	80	5117	38.6	133
		Medium	3500K	80	5421	42.5	127
			4000K	80	5716	41.0	140
			5000K	80	5524	42.5	130
		High	3500K	80	5978	47.0	127
			4000K	80	6384	45.4	141
			5000K	80	6175	47.0	131
1x4	14ARS-L3C3-SQR-UNV	Low	3500K	80	2748	20.6	133
			4000K	80	2876	20.0	144
			5000K	80	2871	20.8	138
		Medium	3500K	80	3478	27.0	129
			4000K	80	3666	26.0	141
			5000K	80	3632	27.1	134
		High	3500K	80	4515	34.6	130
			4000K	80	4623	33.0	140
			5000K	80	4579	34.5	133
1x4	14ARS-L3C39-SQR-UNV	Low	3500K	90	2787	19.7	142
			4000K	90	2830	19.2	147
			5000K	90	2790	19.3	143
		Medium	3500K	90	3532	25.7	137
			4000K	90	3609	25.0	144
			5000K	90	3500	25.2	139
		High	3500K	90	4551	32.6	140
			4000K	90	4567	31.6	145
			5000K	90	4505	32.6	138
1x4	14ARS-L3C3-HO-SQR-UNV	Low	3500K	80	5307	38.3	139
			4000K	80	5438	36.9	147
			5000K	80	5316	38.2	139
		Medium	3500K	80	5761	42.4	136
			4000K	80	5916	40.7	145
			5000K	80	5759	42.2	136
		High	3500K	80	6258	46.9	133
			4000K	80	6469	45.0	144
			5000K	80	6301	46.7	135

Metalux — Achieva Selectable Troffer

Achieva Options

Catalog	Description	Example	Notes
EL7W	7W EM Pack, Installed	22ARS-L3C3-UNV-EL7W	Integrated Indicator/Test Switch into end cap
EL14W	14W EM Pack, Installed	24ARS-L3C3-UNV-EL14W	Integrated Indicator/Test Switch into end cap
A3/8-5/18GDIM	6' Length, 3/8" Cable, 3 Wire, 3 Dimming Leads, Ground	24ARS-L3C3-UNV-A3/8-5/18GDIM	
EL7W-A3/8-5/18GDIM EL14W-A3/8-5/18GDIM	7W/14W EM Pack, Installed, and 6' Flex, 3/8" Cable, 3 Wire, 2 Dimming Leads, Ground	24ARS-L3C3--UNV-EL7W-A3/8-5/18GDIM 22ARS-L3C3--UNV-EL14W-A3/8-5/18GDIM	EL7W and EL14W only use 5/18G flex with emergency. EM pack is always specified before (to the left of) the flex, in the catalog number.
WLS	WaveLinx LITE Wireless Integrated Sensor	22ARS-L3C3-UNV-WLS	Sensor Integrated into end cap
WPS	WaveLinx PRO Wireless Integrated Sensor	24ARS-L3C3-UNV-WPS	Sensor Integrated into end cap

*Emergency + Sensor Available (EL7W/EL14W + WAA/WAB)

Achieva Shipping Data

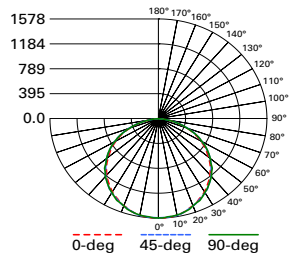
Size	Fixture Net Weight	Fixture Gross Weight	Fixture Dimension	Carton Dimension	Fixtures per Carton	Pallet QTY (Cartons)	Pallet QTY (Fixtures)
2' x 2'	6.8 lbs.	9 lbs.	23.7" L x 1.8" W x 23.7" H	25.7" L x 2.8" W x 26.2" H	1	54	54
2' x 4'	11.3 lbs.	15.8 lbs.	47.7" L x 1.8" W x 23.7" H	50.4" L x 2.8" W x 26" H	1	27	27
1' x 4'	7 lbs.	10.2 lbs.	47.7" L x 1.8" W x 11.7" H	50.4" L x 2.8" W x 15.2" H	1	27	27
2' x 2' MP4	6.8 lbs.	31.8 lbs.	23.7" L x 1.8" W x 23.7" H	27.2" L x 8.1" W x 27.4" H	4	12	48
2' x 4' MP2	11.3 lbs.	30.1 lbs.	47.7" L x 1.8" W x 23.7" H	51.2" L x 5.1" W x 27.8" H	2	9	18

Accessories

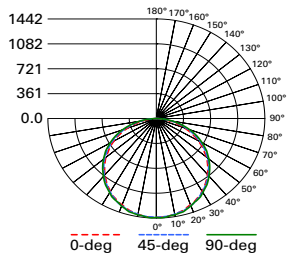
Accessories (order separately)
DF-14W-U=1' x 4' Drywall Frame Kit
DF-22W-U=2' x 2' Drywall Frame Kit
DF-24W-U=2' x 4' Drywall Frame Kit
SK-22-WS=2' x 2' Shallow Surface Mount Kit
SK-24-WS=2' x 4' Shallow Surface Mount Kit
SK-14-WT=1' x 4' Tall Surface Mount Kit
SK-22-WT=2' x 2' Tall Surface Mount Kit
SK-24-WT=2' x 4' Tall Surface Mount Kit

Photometric Data

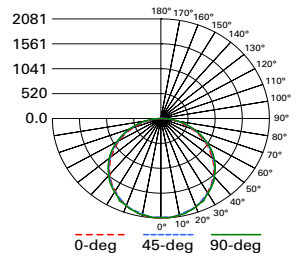
View IES files



14ARS-L3C3-UNV-4000K-HI
Electronic Driver
Linear LED 4000K
Spacing criterion: (II) 1.26 x mounting height, (⊥) 1.28 x mounting height
Lumens: 4647
Input Watts: 32.9W
Efficacy: 141 LPW
Test Report: 14ARS-L3C3-UNV-4000K-HI.IES



22ARS-L3C3-UNV-4000K-HI
Electronic Driver
Linear LED 4000K
Spacing criterion: (II) 1.26 x mounting height, (⊥) 1.28 x mounting height
Lumens: 4308
Input Watts: 32.9W
Efficacy: 131 LPW
Test Report: 22ARS-L3C3-UNV-4000K-HI.IES



24ARS-L3C3-UNV-4000K-HI
Electronic Driver
Linear LED 4000K
Spacing criterion: (II) 1.27 x mounting height, (⊥) 1.29 x mounting height
Lumens: 6254
Input Watts: 45.5W
Efficacy: 138 LPW
Test Report: 24ARS-L3C3-UNV-4000K-HI.IES

Metalux — Achieva Selectable Troffer

Achieva Product Specifications

Construction
- Die formed of code gauge prime cold rolled steel in one-piece housing design
- Four auxiliary fixture end suspension points
- Integral formed one-piece housing improves aesthetic design removing end plate light gaps
- Integrated T-Grid clip design for screw installation to the grid where required by code and in “earthquake” zones

Integrated Controls
- Standard 0-10V dimming driver down to 5%
- Integrated WaveLinx options provide wireless individual fixture control and enable code compliance, increased energy savings, grouping of fixtures, and connection to WaveLinx control system
- Available in 80 CRI or 90 CRI color quality

LED and Light Engine
- Selectable Color temperature choices 3500K, 4000K, and 5000K
- Selectable lumen output up to 8000 lumens, with choices of low, medium, high
- TM21 life at 60,000 hours up to L94 and calculated L70 exceeds 290,000 hrs.
- Driver 120-277V Standard

Emergency Options
- Optional emergency battery available in 7W and 14W
- 90-minute backup period for code compliance
- Factory installed integral test switch visible from room side

Finish
- Powder Coat matte white
- 90% reflective, matte white enamel finish
- Full fixture housing painted after fabrication

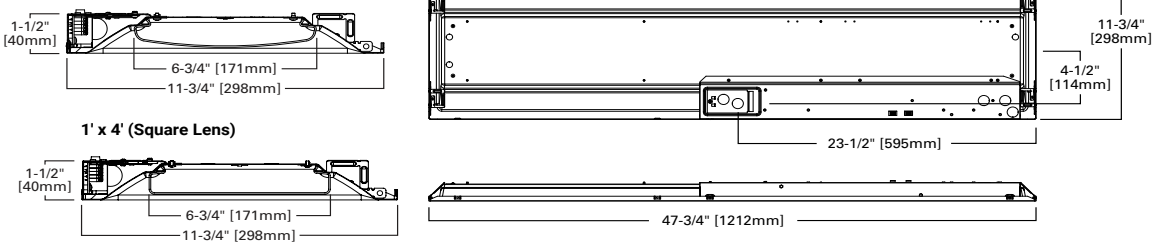
Shielding
- Rounded ribbed frosted lens standard
- Square ribbed frosted lens option

Compliance
- IC rated for insulation contact
- cULus listed for damp locations
- RoHS compliant
- Tested to IESNA LM-79 and LM-80
- Stated life tested to TM21 standards
- Can be used for State of California Title 24 high efficacy luminaire
- Can be use for Non-residentail T24
- DesignLights Consortium® Qualified and classified for DLC Standard and DLC Premium (refer to www.designlights.org)

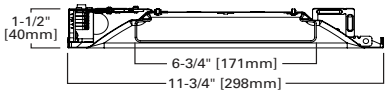
Limited Warranty
- Five-year warranty standard. Optional ten year warranty available.

Dimensional and Mounting Details - Round Lens

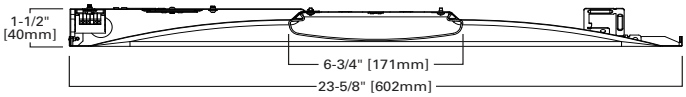
1' x 4' (Round Lens)



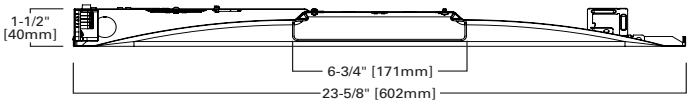
1' x 4' (Square Lens)



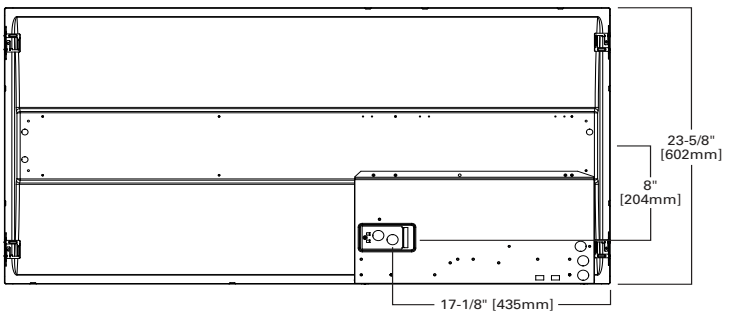
2' x 2', 2' x 4' (Round Lens)



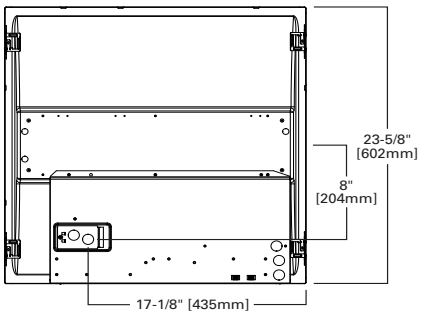
2' x 2', 2' x 4' (Square Lens)



2' x 4'



2' x 2'



Metalux — Achieva Selectable Troffer

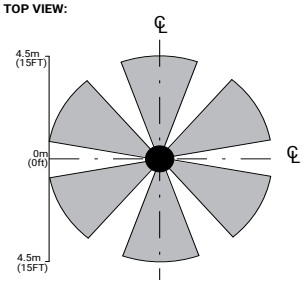
Control Solutions

- WaveLinx LITE wireless
- WaveLinx PRO wireless
- WaveLinx CAT wired
- WaveLinx Wired

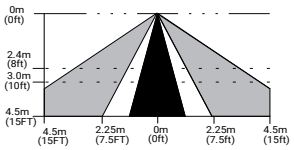
WaveLinx Digital Lighting Control Solutions

Integrated Sensor Coverage Pattern

TOP VIEW:



SIDE VIEW:



***Note**: Installation of integrated sensors within 3-ft (1m) of HVAC air vents is not recommended. The pattern shown is intended solely as a general guide and is not to scale.*

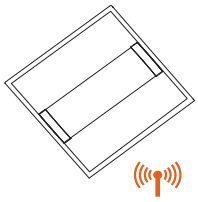
The ARS with WaveLinx offers no-hassle lighting control with multiple luminaire level control solutions.

WaveLinx PRO is a wireless lighting control solution, for connected spaces, that significantly reduces a building's energy consumption. From a single floor to an entire campus, WaveLinx PRO connects more than lighting assets; it shares aggregated sensor data with the WaveLinx CORE platform and other building systems, so building owners can improve operations, spaces environment, and tenants' experience. WaveLinx PRO offers a rich portfolio of wireless devices, WaveLinx PRO-enabled luminaires, and an intuitive WaveLinx mobile app for office, education, warehouse, and parking garage applications.

WaveLinx LITE is a cost effective, wireless digital lighting control solution, with out-of-the-box functionality, that saves energy and meets code. It's designed for applications that require occupancy-based, daylighting, or manual light control. Customize installations for office, education, warehouse and parking garages using the secure, simple mobile app.

With Integrated WaveLinx Sensor

With Integrated WaveLinx Node



Add a hidden WaveLinx sensor node (WPN, WLN) to your space lighting design!

Allows to:

- Keeps luminaire aesthetics
- Connect fixtures without the realestate to include sensor option such as downlights
- Connect sealed fixtures without a standard sensor option such as products for clinical space.

Integrated Controls Options

Option	Out of the Box Functionality	Luminaire Level Lighting Control (LLLC)	Automatic Dimming Photocell	Occupancy Sensing	CCT Control
WLS	X	X	X	X	
WLN		X			
WPS		X	X	X	X
WPN		X			X

Note: WaveLinx utilizes scenes to allow users to change an area's fixtures Correlated Color Temperature (CCT) and intensity using commissioned manual wireless wallstation scene control. To enable CCT adjustments through WaveLinx, include WPS or WPN devices in addition to VividTune or BioUp technologies for integrated fixture control.

Systems comparison chart

Cooper Lighting Solutions provides many lighting system solutions designed to satisfy code requirements and meet the unique needs of any project.

Luminaire with standalone sensor

Standalone Spaces WaveLinx LITE

Standalone Spaces WaveLinx CAT

Networked Spaces WaveLinx PRO

Enterprise WaveLinx CORE

Occupancy	Yes	Yes	Yes	Yes	Yes
Daylighting	Yes	Yes	Yes	Yes	Yes
Wallstations	–	Yes	Yes	Yes	Yes
Gateways	–	–	–	1 WAC	300 WACs
Devices (MAX)	–	40 per Area (1120 per space)	40 per Area	200 per WAC2	32,500 per CORE Enterprise
Software	–	WaveLinx LITE Mobile App	WaveLinx CAT Mobile App	WaveLinx Mobile App	CORE
Areas	–	28 per Space	Unlimited	50 per WAC2	up to 3,000
Zones	–	16 per Area	16 per Area	16 per Area	up to 9,000
Scheduling	–	–	–	Local	Global
VividTune™	–	–	–	Yes	Yes
Plug-Load Control	–	Yes	Yes	Yes	Yes
Low-Voltage Power	–	–	Yes	Yes	Yes
Integration	–	–	–	–	BACnet, API
Dashboards	–	–	–	–	Energy, Occupancy
Configuration	–	Installer	Installer	Technician	Technician / IT

Cooper Lighting Solutions
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com

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Specifications and dimensions subject to change without notice.

Job Name : JACKSON COUNTY AIRPORT - TERMINAL AREA DEVELOPMENT
Manufacturer : HALO LIGHTING RECESSED
Model Number : PR6FS12D010PR6M12MD8FSMW

Type : C

Project		Catalog #		Type	
Prepared by		Notes		Date	

HALO Commercial

PR6S | PR6M

6-inch LED surface mount cylinder and self-flanged, lensed downlight and wall wash

Typical Applications

Office • Healthcare • Hospitality • Institutional

Interactive Menu

- Order Information page 2
- Product Specifications page 3
- Photometric Data page 4
- Energy & Performance Data page 6
- Connected Systems page 7
- Product Warranty

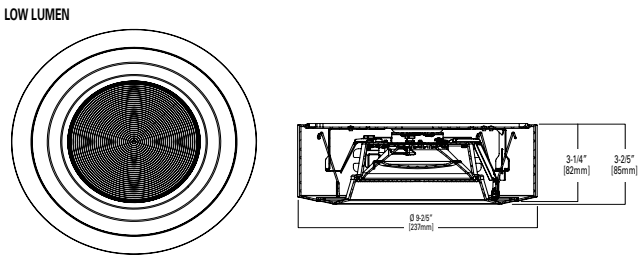
Product Certification

Product Features

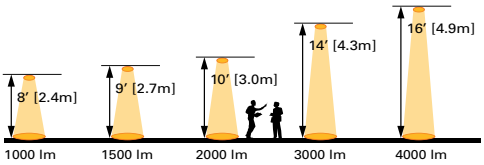
Top Product Features

- Selectable lumens 1000/1500/2000 and 2000/3000/4000
- SeleCCTable color temperature 3000K/3500K/4000K
- Available in 80 CRI or 90 CRI
- Medium/Wide beam distribution reversible lens; Wall wash accessory kit
- Surface cylinder for mounting on indoor / outdoor protected ceilings

Dimensional and Mounting Details



Scale



Nominal values for 15 - 20 footcandles at nadir.

additional product diagrams

HALO Commercial PR6S | PR6M

Order Information

SAMPLE ORDER NUMBER: **PR6SFS24D010MW – PR6M24MD8FSMW**

Mounting Frame | Lumens | Input / Control | Finish

Standard Driver 120-277VAC, 0-10V analog dimming

Mounting	Lumens	Input / Control	Finish
PR6S = 6" aperture surface mount cylinder	**LOW LUMEN - SHALLOW CYLINDER** **Field Selectable**(1) **FS12** = field selectable 1000, 1500 and 2000 lumens (nominal), use with PR6M12* LED modules only **Discrete (fixed) Factory Set** (2) **10** = 1000 lumens (nominal), use with PR6M12* LED modules only **15** = 1500 lumens (nominal), use with PR6M12* LED modules onlys **HIGH LUMEN - DEEP CYLINDER** **Field Selectable** (1) **FS24** = field selectable 2000, 3000 and 4000 lumens (nominal), use with PR6M24* LED modules only **Discrete (fixed) Factory Set** (2) **30** = 3000 lumens (nominal), use with PR6M24* LED modules only	**D010** = 120-277VAC 50/60Hz, 0-10V analog , 1%-100% dimming	**MW** = matte white ring/self-flanged reflector **MMS** = matte metallic silver ring/self-flanged reflector **BZ** = bronze ring/self-flanged reflector
Notes	**Notes** (1) FS12 factory preset 2000 lumens in PR6M12 LED module. FS24 factory preset 4000 lumens in PR6M24 LED module. (2) Driver has fixed lumen output. Lumen selector switch on LED modules do not change lumens in fixed output housings.	**Notes**	**Notes**

LED Module | Lumen Range | Distribution | CRI / CCT | Finish | Accessories

LED Module	Lumen Range	Distribution	CRI / CCT	Finish	Accessories
PR6M = 6" aperture LED module and self-flanged reflector	**12** = field selectable low lumen range 1000, 1500 and 2000 lumens (nominal). Factory pre-set for 2000 lumens. Use with PR6SFS12*, PR6SFS10*, PR6SFS15* surface cylinders. **24** = field selectable high lumen range 2000, 3000 and 4000 lumens (nominal). Factory pre-set for 4000 lumens. Use with PR6SFS24*, PR6SFS30* surface cylinders.	**MD** = Medium distribution lens - factory installed (60°, 1.2 SC) Included: Wide distribution lens – field interchangeable option (65°, 1.3 SC)	**Field Selectable** **8FS** = 80 CRI (minimum) with field selectable 3000K, 3500K and 4000K CCT (nominal). Factory pre-set for 3500K. **9FS** = 90 CRI (minimum) with field selectable 3000K, 3500K and 4000K CCT (nominal). Factory pre-set for 3500K. **Discrete (fixed) Factory Set** **827** = 80 CRI (minimum) 2700K **927** = 90 CRI (minimum) 2700K **850** = 80 CRI (minimum) 5000K **950** = 90 CRI (minimum) 5000K	**MW** = matte white ring/ self-flanged reflector **MMS** = matte metallic silver ring/self-flanged reflector **BZ** = bronze ring/self-flanged reflector	**PR6WW** = 6" wall wash optic, field installed
Notes	**Notes**	**Notes**	**Notes**	**Notes**	**Notes**

HALO Commercial PR6S | PR6M

Product Specifications

Housing
- One piece spun aluminum gasketed surface ceiling mount housing cylinder
- Available in matte white, matte metallic silver and dark bronze finishes
- May be used for new construction or renovation work on protected covered ceilings

Universal Mounting Bracket
- Provided with mounting pattern for direct installation to most standard 4" round, 3-1/2" and 4" octagonal or 4" square junction boxes

LED Module
- Integrated self-flanged shallow reflector with multiple finish options
- Patented SeleCCTable™ color temperature technology and selectable lumen output for selection in the field
- Integrated dip switches for selectable color and lumen selection in the field
- Selectable CCT 3000K/3500K/4000K
- Selectable lumen ranges:
  - Low Lumen:
    - Small - Shallow cylinder for 1000lm, 1500lm, 2000m (nominal)
  - High Lumen:
    - Large - Deep cylinder for 2000lm, 3000lm, 4000lm (nominal)
- Discrete (fixed) lumen models, use to meet lighting power density codes
  - Low Lumen:
    - Small - shallow cylinder 1000lm
    - Small - Shallow cylinder 1500lm
  - High Lumen:
    - Large - Deep cylinder 3000lm (nominal)
- Available in 80 CRI or 90 CRI (nominal) with color accuracy within 3 SDCM
- LED array uses a plurality of mid-power surface mount LEDs delivering high flux and excellent efficiency.
- Passive cooling achieves L70 at 50,000 hours
- Integral connector for quick link to the housing flex

LED Module – Optics
- Lens included offers medium / wide beam options
- Lens ships in medium beam. Twist-to-lock feature allows conversion to wide beam in the field without tools.
- Micro-prismatic lens is precision formed optical polymer
- **Louvered Wall Wash**
  - Optional field installed wall wash kit offers 360° rotation, allowing the housing to be installed in any orientation.

LED Module - Reflector
- Integrated self-flanged shallow reflector with LED array and lens
- Finish paint options: matte white, matte metallic silver, and dark bronze
- Standard torsion springs on module to be replaced by a set of short torsion springs included with surface cylinders for field installation

LED Module - Retention
- Module/reflector is securely retained with (2) short torsion springs holding the flange tightly to the housing
- Set of (2) short torsion springs included with surface cylinders for field installation in place of standard springs as shipped on module

Driver
- Field replaceable constant current driver provides low noise operation
- UNV 120-277VAC 50/60Hz input standard
- Continuous 1% - 100% dimming with 0 -10V analog controls

Compliance
- cULus Certified to UL 1598 / C22.2 No. 250.0, suitable for damp locations and wet locations in covered ceilings only
- IP64 rated
- EMI/RFI emissions FCC CFR Title 47 Part 15 Class A at 120/277V
- Contains no mercury or lead and RoHS compliant
- Photometric testing in accordance of IES LM-79-08
- Lumen maintenance projections in accordance of IES LM-80-08 and TM-21-11
- May be used for California Title 24 non-residential compliance, as a dimmable LED luminaire
- ENERGY STAR® certified, see Certified Light Fixtures database

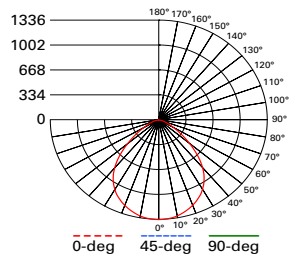
Warranty
- Five year limited warranty, consult website for details. www.cooperlighting.com/legal

HALO Commercial

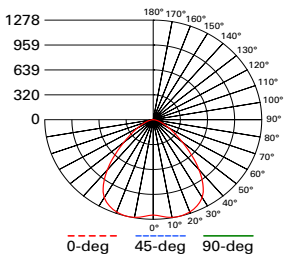
PR6S | PR6M

Photometric Data

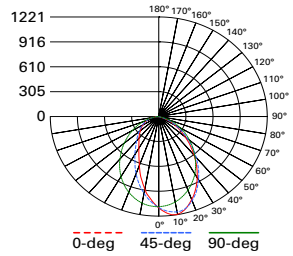
View IES files



PR6SFS12D010 - PR6M12MD8FSMW
Low lumen module, 2000 lumen, medium lens
Spacing criterion: (II) 1.2 x
Lumens: 2703
Input Watts: 20.4 W
Efficacy: 132.5 LPW
UGR: 21
Test Report: PR6FS12D010 PR6M12MD8FSMW 2000Lm3500K.ies



PR6SFS12D010 - PR6M12MD8FSMW
Low lumen module, 2000 lumen, wide lens
Spacing criterion: (II) 1.33 x
Lumens: 2674
Input Watts: 20.4 W
Efficacy: 131.1 LPW
UGR: 21
Test Report: PR6FS12D010 PR6M12WD8FSMW 2000Lm3500K.ies



PR6SFS12D010 - PR6M12MD8FSMW - PR6WW
Low lumen module - wall wash, 2000 lumen, wall wash accessory
Spacing criterion: (II) 1.13 x
Lumens: 2079
Input Watts: 20.4 W
Efficacy: 101.9 LPW
UGR: 19
Test Report: PR6FS12D010 PR6M12WW8FSMW 2000Lm3500K.ies

SINGLE UNIT FOOTCANDLES

	2.5' from wall (distance from fixture along wall)						
1	17.2	12.6	6.1	2.6	1.1	0.5	0.2
2	30.4	24.2	13.7	6.8	3.4	1.7	0.9
3	27.5	23.4	15.3	8.7	4.8	2.7	1.5
4	20	17.9	13.2	8.5	5.2	3.1	1.9
5	13.8	12.8	10.2	7.2	4.8	3.2	2.1
6	9.6	9	7.6	5.8	4.2	2.9	2
7	6.7	6.4	5.6	4.6	3.5	2.6	1.9
8	4.9	4.7	4.2	3.6	2.9	2.2	1.7
9	3.6	3.5	3.2	2.8	2.3	1.9	1.5
10	2.7	2.7	2.5	2.2	1.9	1.6	1.3

MULTIPLE UNIT FOOTCANDLES

	2.5' from wall (distance from fixture along wall) 3			2.5' from wall (distance from fixture along wall) 4		
1	19.8	18.2	19.8	18.3	12.2	18.3
2	37.2	37.9	37.2	33.7	27.4	33.7
3	36.2	38.9	36.2	32.3	30.6	32.3
4	28.5	31.4	28.5	25.2	26.3	25.2
5	21.1	23.2	21.1	18.7	20.3	18.7
6	15.4	16.7	15.4	13.8	15.2	13.8
7	11.3	12.2	11.3	10.2	11.3	10.2
8	8.4	9	8.4	7.7	8.4	7.7
9	6.4	6.7	6.4	5.9	6.4	5.9
10	4.9	5.1	4.9	4.6	4.9	4.6

Photometric Multipliers - Selectable lumen 1000lm - 1500lm - 2000lm

1000 Lumen	1500 Lumen	2000 Lumen
0.51	0.65	1.00

Multipliers for nominal values with other series models

Color Finish Multipliers

Finish code	MW	MMS	BZ
Finish	Matte White	Matte Metallic Silver	Bronze
Multiplier	1.00	0.93	0.88

Multipliers for nominal values with other series models

CCT Multipliers – 80CRI - Selectable CCT 3000K - 3500K - 4000K

3000K	3500K	4000K
0.88	1.00	0.96

Multipliers for nominal values with other series models

CCT Multipliers – 90CRI - Selectable CCT 3000K - 3500K - 4000K

3000K	3500K	4000K
0.76	0.76	0.74

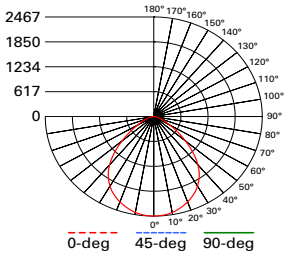
Multipliers for nominal values with other series models

Note: Refer to IES files for more product data.

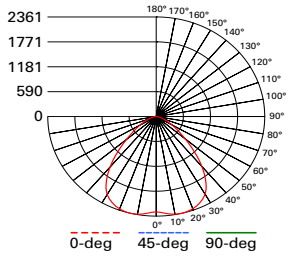
HALO Commercial PR6S | PR6M

Photometric Data

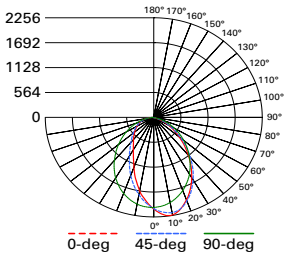
View IES files



PR6SFS24D010 - PR6M24MD8FSMW
High lumen module, 4000 lumen, medium lens
Spacing criterion: (II) 1.2 x
Lumens: 4993
Input Watts: 39 W
Efficacy: 128 LPW
UGR: 23
Test Report: PR6FS24D010 PR6M24MD8FSMW 4000Lm3500K.ies



PR6SFS24D010 - PR6M24MD8FSMW
High lumen module, 4000 lumen, wide lens
Spacing criterion: (II) 1.33 x
Lumens: 4940
Input Watts: 39 W
Efficacy: 126.7 LPW
UGR: 23
Test Report: PR6FS24D010 PR6M24WD8FSMW 4000Lm3500K.ies



PR6SFS24D010 - PR6M24MD8FSMW - PR6WW
High lumen module - wall wash, 2000 lumen, wall wash accessory
Spacing criterion: (II) 1.13 x
Lumens: 3841
Input Watts: 39 W
Efficacy: 98.5 LPW
UGR: 21
Test Report: PR6FS24D010 PR6M24WW8FSMW 4000Lm3500K.ies

SINGLE UNIT FOOTCANDLES

2.5' from wall (distance from fixture along wall)							
1	31.7	23.3	11.3	4.8	2	0.9	0.4
2	56.1	44.8	25.3	12.6	6.2	3.1	1.6
3	50.7	43.2	28.3	16.1	8.9	4.9	2.8
4	37	33.1	24.3	15.7	9.6	5.8	3.5
5	25.6	23.6	18.8	13.4	9	5.9	3.8
6	17.7	16.6	14	10.8	7.8	5.4	3.8
7	12.4	11.9	10.4	8.4	6.5	4.8	3.5
8	9	8.7	7.8	6.6	5.3	4.1	3.1
9	6.7	6.4	5.9	5.1	4.3	3.5	2.7
10	5	4.9	4.6	4	3.5	2.9	2.4

MULTIPLE UNIT FOOTCANDLES

	2.5' from wall (distance from fixture along wall) 3			2.5' from wall (distance from fixture along wall) 4		
1	36.5	33.6	36.5	33.7	22.5	33.7
2	68.8	70	68.8	62.3	50.7	62.3
3	66.9	71.8	66.9	59.6	56.6	59.6
4	52.7	58	52.7	46.6	48.6	46.6
5	39	42.8	39	34.5	37.6	34.5
6	28.4	30.9	28.4	25.5	28	25.5
7	20.8	22.5	20.8	18.9	20.8	18.9
8	15.6	16.6	15.6	14.3	15.6	14.3
9	11.8	12.4	11.8	10.9	11.8	10.9
10	9.1	9.5	9.1	8.5	9.1	8.5

Photometric Multipliers - Selectable lumen 2000lm-3000lm-4000lm

2000 Lumen	3000 Lumen	4000 Lumen
0.54	0.69	1.00

Multipliers for nominal values with other series models

Color Finish Multipliers

Finish code	MW	MMS	BZ
Finish	Matte White	Matte Metallic Silver	Bronze
Multiplier	1.00	0.93	0.88

Multipliers for nominal values with other series models

CCT Multipliers – 80CRI - Selectable CCT 3000K - 3500K - 4000K

3000K	3500K	4000K
0.89	1.00	0.95

Multipliers for nominal values with other series models

CCT Multipliers – 90CRI - Selectable CCT 3000K - 3500K - 4000K

3000K	3500K	4000K
0.77	0.83	0.75

Multipliers for nominal values with other series models

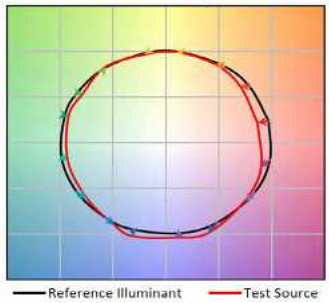
Note: Refer to IES files for more product data.

HALO Commercial PR6S | PR6M

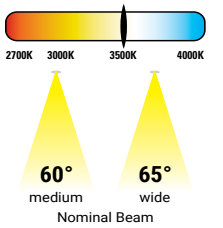
Energy and Performance Data

COLOR METRICS - TM-30-15 & CRI/CIE (3500K)

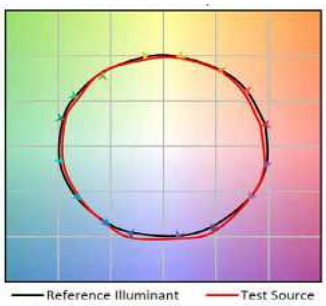
80 CRI Color Metric Summary - 3500K*



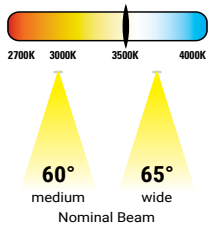
TM-30-15	Rf = 78.2
	Rg = 93.8
CRI/CIE	Ra = 78.4
	R9 = -4.5



90 CRI Color Metric Summary - 3500K*



TM-30-15	Rf = 90.9
	Rg = 98.6
CRI/CIE	Ra = 96.6
	R9 = 91.5



PR6FS12 LED MODULE LOW LUMEN RANGE

Series	1000 lumen	
Input Voltage 120-277VAC	120V	277V
Input Current (A)	0.089	0.043
Input Power (W)	10.5	11
In-rush (A)	8.9	22.2
In-rush Duration (ms)	0.145	0.118
THD (%)	<15.1	<16.7
PF	≥ 0.98	≥ 0.92
Minimum starting temperature -20°C (-4°F)		
Sound Rating: Class A standards		

Series	1500 lumen	
Input Voltage 120-277VAC	120V	277V
Input Current (A)	0.112	0.052
Input Power (W)	13.4	13.8
In-rush (A)	9.9	24.8
In-rush Duration (ms)	0.198	0.107
THD (%)	<13.3	<15.5
PF	≥ 0.98	≥ 0.94
Minimum starting temperature -20°C (-4°F)		
Sound Rating: Class A standards		

Series	2000 lumen	
Input Voltage 120-277VAC	120V	277V
Input Current (A)	0.178	0.079
Input Power (W)	21.3	21.4
In-rush (A)	8	19.1
In-rush Duration (ms)	0.185	0.133
THD (%)	<8.2	<10.6
PF	≥ 0.99	≥ 0.97
Minimum starting temperature -20°C (-4°F)		
Sound Rating: Class A standards		

PR6FS24 LED MODULE HIGH LUMEN RANGE

Series	2000 lumen	
Input Voltage 120-277VAC	120V	277V
Input Current (A)	0.176	0.081
Input Power (W)	21	21.2
In-rush (A)	15.3	32.1
In-rush Duration (ms)	0.237	0.12
THD (%)	<11	<13.6
PF	≥ 0.99	≥ 0.94
Minimum starting temperature -20°C (-4°F)		
Sound Rating: Class A standards		

Series	3000 lumen	
Input Voltage 120-277VAC	120V	277V
Input Current (A)	0.225	0.101
Input Power (W)	26.9	27
In-rush (A)	11.6	27.9
In-rush Duration (ms)	0.187	0.081
THD (%)	<9.05	<11.8
PF	≥ 0.99	≥ 0.96
Minimum starting temperature -20°C (-4°F)		
Sound Rating: Class A standards		

Series	4000 lumen	
Input Voltage 120-277VAC	120V	277V
Input Current (A)	0.332	0.145
Input Power (W)	39.8	39.4
In-rush (A)	12.8	27.5
In-rush Duration (ms)	0.211	0.107
THD (%)	<5.9	<8.8
PF	≥ 0.99	≥ 0.98
Minimum starting temperature -20°C (-4°F)		
Sound Rating: Class A standards		

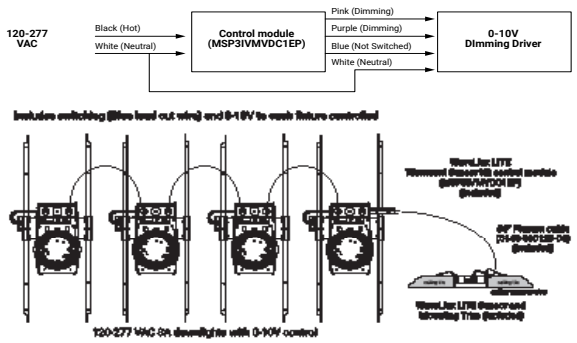
HALO Commercial PR6S | PR6M

Connected Solutions

WaveLinx LITE - WTK Tilemount Sensor

- Intuitive Android™ or Apple® iOS® app for basic system code compliant set up and configuration via Bluetooth
- Up to 28 unique areas per project site (WaveLinx LITE Bluetooth network)
- Up to 50 devices for an area, any one of 16 control zones, up to 6 occupancy sets, and custom lighting scenes
- Automatic occupancy or vacancy, sensor sensitivity, daylight dimming, etc. configurable through the app
- Refer to the WaveLinx system specifications for details

WaveLinx LITE WTK Tilemount Wiring Diagram

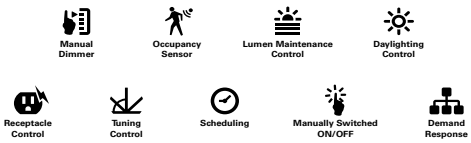


WaveLinx LITE Bluetooth Enabled System

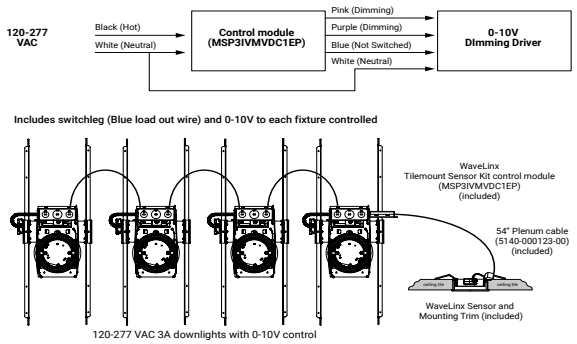
WaveLinx PRO – WTA Tilemount Sensor

- WaveLinx PRO tilemount functionality configures zones and customizes settings from one secure mobile app
- Automatic code commissioning that meets the strictest codes
- Fixtures and sensors integrate with Wireless Area Controller, Wall Stations, and Control Devices
- Stand-Alone Offices or Entire Building Network Installations

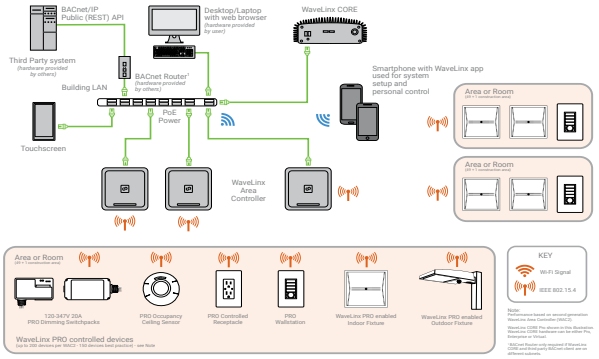
WaveLinx mobile app settings



WaveLinx WTA Tilemount Wiring Diagram



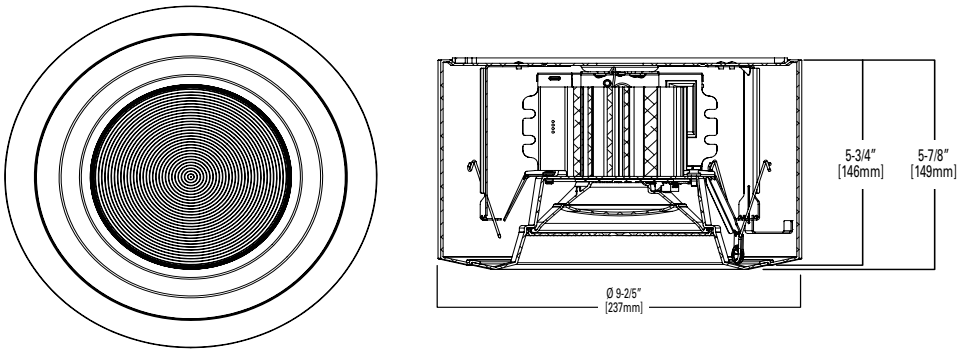
WaveLinx CORE Building Management Integration



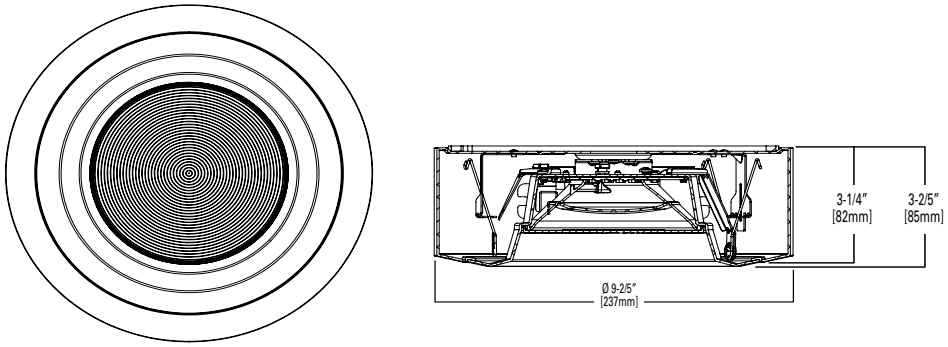
Metalux PR6S | PR6M

Dimensional Details

HIGH LUMEN



LOW LUMEN



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Specifications and dimensions
subject to change without notice.

Job Name : JACKSON COUNTY AIRPORT - TERMINAL AREA DEVELOPMENT
Manufacturer : HALO LIGHTING RECESSED
Model Number : PR6FS12D010REM7PR6M12MD8FSMW

Type : CE

Project		Catalog #		Type	
Prepared by		Notes		Date	

HALO Commercial

PR6 | PR6M

6-inch LED self-flanged, lensed downlight and wall wash

Typical Applications

Office • Healthcare • Hospitality • Institutional

Interactive Menu

- Order Information page 2
- Product Specifications page 3
- Photometric Data page 4
- Energy & Performance Data page 6
- Connected Systems page 9
- Product Warranty

Product Certification

ENERGY STAR · Efficiency Standards T24 Can be used to comply with California Title 24 Non-Residential · wet location · Plenum Rated · FC · RoHS Compliant · UL Certified

Product Features

seleCCTable colors · selectable lumens · Showerlight · QS Quick Spec

Control Compatibility

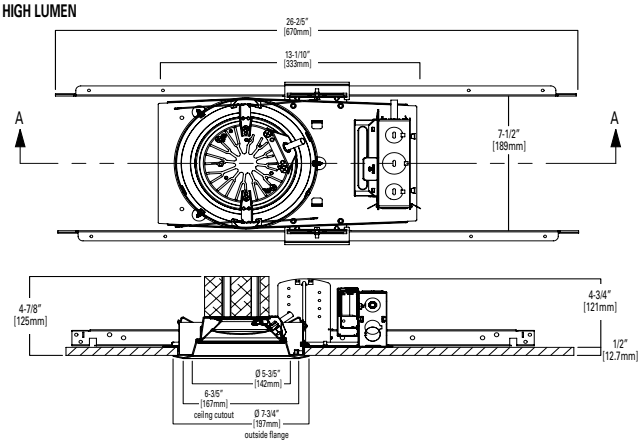
WaveLinx LITE · WaveLinx PRO

Top Product Features

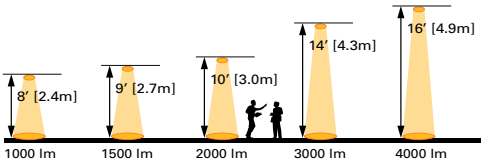
- Selectable lumens 1000/1500/2000 and 2000/3000/4000
- SeleCCTable color temperature 3000K/3500K/4000K
- Available in 80 CRI or 90 CRI
- Medium/Wide beam distribution lens
- Wall wash accessory kit
- Quick Spec emergency backup mounting frames - fast delivery option

Dimensional and Mounting Details

HIGH LUMEN



Scale



Nominal values for 15 - 20 footcandles at nadir.

additional product diagrams

HALO Commercial — PR6 | PR6M

Mounting Frame Order Information

SAMPLE ORDER NUMBER: **PR6FS24D010REM7 – PR6M24MD8FSMW**

Standard Driver 120-277VAC, 0-10V analog dimming

Mounting Frame	Lumens	Input / Control	Factory Installed Options	Accessories
PR6 = 6" aperture new construction / remodeler housing frame **PR6CP** = 6" aperture new construction / remodeler housing frame, CCEA Chicago Plenum rated	**Field Selectable** (4) **FS12** = field selectable 1000, 1500 and 2000 lumens (nominal), use with PR6M12* LED modules only **FS24** = field selectable 2000, 3000 and 4000 lumens (nominal), use with PR6M24* LED modules only **Discrete (fixed) Factory Set** (5) **10** = 1000 lumens (nominal), use with PR6M12* LED modules only **15** = 1500 lumens (nominal), use with PR6M12* LED modules onlys **30** = 3000 lumens (nominal), use with PR6M24* LED modules only	**D010** = 120-277VAC 50/60Hz, 0-10V analog, 1%-100% dimming	**REM7** = integral 7 watt emergency battery pack with remote test / indicator light, use with D010 only (1) **REM14** = integral 14 watt emergency battery pack with remote test / indicator light, use with D010 only (1) **BOD7ST** = 7.5 watt Bodine self-test diagnostic emergency module with remote test / indicator light, use with D010 only (1) **WTA** = Factory installed WaveLinx PRO Sensor Kit (1) (3) **WTK** = Factory installed WaveLinx LITE Sensor Kit (1) (6) **WPN** = WaveLinx PRO Wireless Node without Sensor (7) **WLN** = WaveLinx LITE Wireless Node without Sensor (8)	**HB128APK =** L-channel "No Fuss" hanger bar, 26", pair (replacement) **RMB22 =** Adjustable wood joist mounting bars, pair, extend 22" long **H347** = 347 to 120V step down transformer, 75VA **H347200** = 347 to 120V step down transformer, 200VA **WTA** = Field installed WaveLinx PRO Sensor Kit (1) (3) **WTK** = Field installed WaveLinx LITE Sensor Kit (1) (6)
Notes	**Notes** (4) FS12 factory preset 2000 lumens in PR6M12 LED module. FS24 factory preset 4000 lumens in PR6M24 LED module. (5) Driver has fixed lumen output. Lumen selector switch on LED modules do not change lumens in fixed output housings.	**Notes**	**Notes** (1) Not available for Chicago Plenum (3) WTA = WaveLinx PRO tile mount sensor kit for daylight dimming, PIR motion sensing, and optional RLTS - Real Time Location Services, use with D010 only. (Refer to WaveLinx PRO system specifications.) (6) WTK = WaveLinx LITE tile mount sensor kit for daylight dimming, PIR motion sensing, use with D010 only. (Refer to WaveLinx LITE system specifications.) (7) WPN = WaveLinx PRO wireless node provides luminaire-level control with scene and zone configuration without an integrated sensor; Connects wirelessly with daylight dimming sensor and PIR motion sensor if desired. Use with 0-10V driver only. Not compatible with 347V or Chicago plenum. (Refer to WaveLinx PRO system specifications) (8) WLN = WaveLinx LITE wireless node provides luminaire-level control with scene and zone configuration without an integrated sensor; Connects wirelessly with daylight dimming sensor and PIR motion sensor if desired. Use with 0-10V driver only. Not compatible with 347V or Chicago plenum. (Refer to WaveLinx LITE system specifications)	**Notes** (1) Not available for Chicago Plenum (3) WTA = WaveLinx PRO tile mount sensor kit for daylight dimming, PIR motion sensing, and optional RLTS - Real Time Location Services, use with D010 only. (Refer to WaveLinx PRO system specifications.) (6) WTK = WaveLinx LITE tile mount sensor kit for daylight dimming, PIR motion sensing, use with D010 only. (Refer to WaveLinx LITE system specifications.)

Quick Spec Emergency Mounting Frame Order Information

Select from the Quick Spec Mounting Frame ordering information to receive the *Fast Delivery* option for the frame.

Sample Number :

Quick Spec Emergency Mounting Frame: RR-PR6FS24D010REM7

LED modules are ordered separately.

Order separately: LED Module: PR6M

Standard Driver 120-277VAC, 0-10V analog dimming

Quick Spec Code	Mounting Frame	Lumens	Input / Control	Factory Installed Options	Accessories
RR = East Region **BRR** = West Region	**PR6** = 6" aperture new construction / remodeler housing frame	**Field Selectable** (4) **FS12** = field selectable 1000, 1500 and 2000 lumens (nominal), use with PR6M12* LED modules only **FS24** = field selectable 2000, 3000 and 4000 lumens (nominal), use with PR6M24* LED modules only	**D010** = 120-277VAC 50/60Hz, 0-10V analog, 1%-100% dimming	**REM7** = integral 7 watt emergency battery pack with remote test / indicator light, use with D010 only **REM14** = integral 14 watt emergency battery pack with remote test / indicator light, use with D010 only	**HB128APK =** L-channel "No Fuss" hanger bar, 26", pair (replacement) **RMB22 =** Adjustable wood joist mounting bars, pair, extend 22" long
Notes	**Notes**	**Notes** (4) FS12 factory preset 2000 lumens in PR6M12 LED module. FS24 factory preset 4000 lumens in PR6M24 LED module.	**Notes**	**Notes**	**Notes**

HALO Commercial PR6 | PR6M

Mounting Frame Order Information

DLV Driver Distributed Low Voltage Power System

Mounting Frame	Lumens [5]	Input / Control	Factory Installed Options	Accessories
PR6 = 6" aperture new construction / remodeler housing frame [1]	**10** = 1000 lumens (nominal), use with PR6M12* LED modules only **15** = 1500 lumens (nominal), use with PR6M12* LED modules only **20** = 2000 lumens (nominal), use with PR6M12* LED modules or with PR6M24* LED modules **30** = 3000 lumens (nominal), use with PR6M24* LED modules only **40** = 4000 lumens (nominal), use with PR6M24* LED modules only	**DLV** = Distributed Low Voltage dimming driver 1%-100%, 1000-4000 lumens only. For use with DLVP system only, refer to DLVP specifications for details. [1]	**REMV7** = 7 watt emergency battery pack with remote test / indicator light, use with DLV only [1][2] **REMV14** = 14 watt emergency battery pack with remote test / indicator light, use with DLV only [1][2]	**HB128APK =** L-channel "No Fuss" hanger bar, 26", pair (replacement) **RMB22 =** Adjustable wood joist mounting bars, pair, extend 22" long
Notes (1) Not available for Chicago Plenum	**Notes** (5) Driver has fixed lumen output. Lumen selector switch on LED modules do not change lumens in fixed output housings.	**Notes** (1) Not available for Chicago Plenum	**Notes** (1) Not available for Chicago Plenum (2) ULus for U.S. only	**Notes**

LED Module Order Information

LED Module	Lumen Range	Distribution	CRI / CCT	Finish	Accessories
PR6M = 6" aperture LED module and self-flanged reflector	**12** = field selectable 1000, 1500 and 2000 lumens (nominal). Factory pre-set for 2000 lumens. Use with PR612*, PR610*, PR615*, PR620* mounting frames only. **24** = field selectable 2000, 3000 and 4000 lumens (nominal). Factory pre-set for 4000 lumens. Use with PR624*, PR620*, PR630*, PR640* mounting frames only.	**MD** = Medium distribution lens - factory installed (60°, 1.2 SC) Included: Wide distribution lens – field interchangeable option (65°, 1.3 SC)	**Field Selectable** **8FS** = 80 CRI (minimum) with field selectable 3000K, 3500K and 4000K CCT (nominal). Factory pre-set for 3500K. **9FS** = 90 CRI (minimum) with field selectable 3000K, 3500K and 4000K CCT (nominal). Factory pre-set for 3500K. **Discrete (fixed) Factory Set** **827** = 80 CRI (minimum) 2700K **927** = 90 CRI (minimum) 2700K **850** = 80 CRI (minimum) 5000K **950** = 90 CRI (minimum) 5000K	**MW** = matte white ring/self-flanged reflector **MMS** = matte metallic silver ring/self-flanged reflector **BZ** = bronze ring/self-flanged reflector	**PR6WW** = 6" wall wash optic, field installed **OT400P** = Oversize matte white trim ring 5-7/8" ID opening, 9-1/2" OD flange. Use when retrofitting up to 7-5/8" ceiling cutout of an existing housing.
Notes	**Notes**	**Notes**	**Notes**	**Notes**	**Notes**

HALO Commercial PR6 | PR6M

Product Specifications

Frame
- Boat shaped galvanized steel plaster frame with adjustable plaster lip accommodates 1/2" to 1-1/2" thick ceilings
- May be installed in new construction; or from below the ceiling in non-accessible ceilings in remodeling (with bar hanger brackets removed)
- Provided with (2) remodel clips to secure the frame to the ceiling
- No Fuss™ mounting bars pre-installed

Universal Mounting Bracket
- Mounting bracket adjusts 2" vertically from above the ceiling or thru the aperture
- Use with No Fuss™ mounting bars (included) or with 1/2" EMT (by others)
- Removable for installation from below the ceiling in remodeling

Mounting Bars
- Captive preinstalled No Fuss™ mounting bars lock to tee grid with screwdriver or pliers
- Centering mechanism allows for consistent positioning of fixtures

LED Module
- Integrated self-flanged shallow reflector with multiple finish options
- Patented SeleCCTable™ color temperature technology and selectable lumen output for selection in the field
- Integrated dip switches for selectable color and lumen selection in the field
- Selectable CCT 3000K/3500K/4000K
- Selectable low and high lumen ranges:
  - Low Lumen: 1000lm, 1500lm, 2000m (nominal)
  - High Lumen: 2000lm, 3000lm, 4000lm (nominal)
- Discrete (fixed) lumen models in 1000lm, 1500lm, 3000lm (nominal); use to meet lighting power density codes
- Available in 80 CRI or 90 CRI (nominal) with color accuracy within 3 SDCM
- LED array uses a plurality of mid-power surface mount LEDs delivering high flux and excellent efficiency.
- Passive cooling achieves L70 at 50,000 hours
- Integral connector for quick link to the housing flex

LED Module – Optics
- Medium / wide beam lens included
- Lens ships in medium beam. Twist-to-lock feature allows conversion to wide beam in the field without tools.
- Micro-prismatic lens is precision formed optical polymer
- **Louvered Wall Wash**
  - Optional field installed wall wash kit offers 360° rotation, allowing the housing to be installed in any orientation.

LED Module - Reflector
- Integrated self-flanged shallow reflector with LED array and lens
- Finish paint options: matte white, matte metallic silver, and dark bronze

LED Module - Retention
- Module/reflector is securely retained in the housing with (2) torsion springs holding the flange tightly to the ceiling

Driver
- Field replaceable constant current driver provides low noise operation
- UNV 120-277VAC 50/60Hz input standard
- Continuous 1% - 100% dimming with analog controls
- Optional "DLV" low voltage DC driver for use with DLVP distributed low voltage power system (see DLVP Design Guide / Brochure)

Emergency Option
- Available with 7W or 14W emergency battery pack with remote test switch / charge indicator light
- Provides 90 minutes of standby lighting meeting most life safety codes for egress
- Available Self-Test (self-diagnostic), with remote charge indicator and test switch
- Quick Spec emergency ordering option for quick-turn projects

Connected Lighting System
Two WaveLinx connected solutions to choose from. Refer to WaveLinx system specifications and application guides for details.

WaveLinx PRO Tilemount Sensor Kit
- WaveLinx PRO WTA tilemount sensor kit offers daylight dimming, PIR motion sensing, scene and zone configuration, automatic commissioning; and optional RLTS - Real Time Location Services available.

WaveLinx PRO Wireless Node
- WaveLinx PRO WPN wireless node provides luminaire-level control with scene and zone configuration without an integrated sensor; Connects wirelessly with daylight dimming sensor and PIR motion sensor if desired. Use with 0-10V driver only.
  - **Note:** Not compatible with 347V or Chicago plenum.
  - **Note:** Only available with fixed lumen housings, and not available with field selectable lumen housings.

WaveLinx LITE Tilemount Sensor Kit
- WaveLinx LITE WTK tilemount sensor kit offers daylight dimming and PIR motion sensing, scene and grouping configuration.

WaveLinx LITE Wireless Node
- WaveLinx LITE WLN wireless node provides luminaire level control with scene and zone configuration without an integrated sensor; Connects wirelessly with daylight dimming sensor and PIR motion sensor if desired. Use with 0-10V driver only.
  - **Note:** Not compatible with 347V or Chicago plenum.
  - **Note:** Only available with fixed lumen housings, and not available with field selectable lumen housings.

WaveLinx Tilemount Sensor Kits Application
- The WTA and WTK tilemount sensor kits include a control module mounted on the luminaire junction box via 1/2" knock-out, and a tilemount sensor on 54-inch whip; for ceiling installation by direct-mount spring clips or via mounting bracket in octagon ceiling boxes.
- The WTA and WTK tilemount sensor kits may be ordered as factory installed on the luminaire, or ordered separately as a field installed accessory kit.
- **Note: WaveLinx PRO devices are only compatible with the WaveLinx PRO system.**
- **Note: WaveLinx LITE devices are only compatible with the WaveLinx LITE system.**

Junction Box
- Galvanized steel junction box
- 20in^3 internal volume excluding voltage barrier
- 25 in^3 internal total volume
- Voltage divider for 0-10V dimming wires [occupies (1) 1/2" pry-out space]
- Listed for (8) #12 AWG (four in, four out) 90° C conductors and feed-thru branch wiring
- (3) 1/2" and (2) 3/4" trade size pry-outs available
- (3) 4-port push wire nuts for mains voltage, with 1-port for fixture connection

Compliance
- cULus Certified to UL 1598 / C22.2 No. 250.0, suitable for damp locations and wet locations in covered ceilings only
- IP20 - Above finished ceiling;
  IP64 - Below finished ceiling
- Field selectable 1000/1500/2000 lm and 2000/3000/4000 lm models are Non-IC rated, insulation must be kept 3" from top and sides
- Fixed output 1000 and 1500 lm models are Type IC thermally protected and suitable for direct contact to air permeable insulation (also suitable for Non-IC)
- Not for use in direct contact with spray foam insulation, consult NEMA LSD57-2013
- Airtight per ASTM-E283-04
- Suitable for use in clothes closets when installed in accordance of the NEC 410.16 spacing requirements
- EMI/RFI emissions FCC CFR Title 47 Part 15 Class A at 120/277V
- Contains no mercury or lead and RoHS compliant
- Photometric testing in accordance of IES LM-79-08
- Lumen maintenance projections per IES LM-80-08 and TM-21-11
- Field selectable 1000/1500/2000lm and 2000/3000/4000lm models may be used for California Title 24 non-residential compliance, as a dimmable LED luminaire
- Fixed output 1000lm and 1500lm 90 CRI, Type IC models may also be used for California Title 24 Residential compliance
- ENERGY STAR® certified, see Certified Light Fixtures database

Warranty
- Five year limited warranty, consult website for details. www.cooperlighting.com/legal

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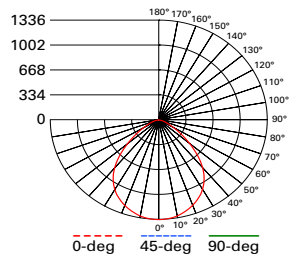
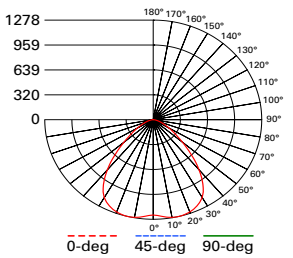
PR6 | PR6M

Photometric Data

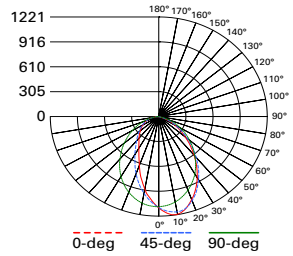
View IES files



PR6FS12D010 - PR6M12MD8FSMW
Low lumen module, 2000 lumen, medium lens
Spacing criterion: (II) 1.2 x
Lumens: 2703
Input Watts: 20.4 W
Efficacy: 132.5 LPW
UGR: 21
Test Report: PR6FS12D010 PR6M12MD8FSMW 2000Lm3500K.ies



PR6FS12D010 - PR6M12MD8FSMW
Low lumen module, 2000 lumen, wide lens
Spacing criterion: (II) 1.33 x
Lumens: 2674
Input Watts: 20.4 W
Efficacy: 131.1 LPW
UGR: 21
Test Report: PR6FS12D010 PR6M12WD8FSMW 2000Lm3500K.ies



PR6FS12D010 - PR6M12MD8FSMW - PR6WW
Low lumen module - wall wash, 2000 lumen, wall wash accessory
Spacing criterion: (II) 1.13 x
Lumens: 2079
Input Watts: 20.4 W
Efficacy: 101.9 LPW
UGR: 19
Test Report: PR6FS12D010 PR6M12WW8FSMW 2000Lm3500K.ies

SINGLE UNIT FOOTCANDLES

2.5' from wall (distance from fixture along wall)							
1	17.2	12.6	6.1	2.6	1.1	0.5	0.2
2	30.4	24.2	13.7	6.8	3.4	1.7	0.9
3	27.5	23.4	15.3	8.7	4.8	2.7	1.5
4	20	17.9	13.2	8.5	5.2	3.1	1.9
5	13.8	12.8	10.2	7.2	4.8	3.2	2.1
6	9.6	9	7.6	5.8	4.2	2.9	2
7	6.7	6.4	5.6	4.6	3.5	2.6	1.9
8	4.9	4.7	4.2	3.6	2.9	2.2	1.7
9	3.6	3.5	3.2	2.8	2.3	1.9	1.5
10	2.7	2.7	2.5	2.2	1.9	1.6	1.3

MULTIPLE UNIT FOOTCANDLES

	2.5' from wall (distance from fixture along wall) 3			2.5' from wall (distance from fixture along wall) 4		
1	19.8	18.2	19.8	18.3	12.2	18.3
2	37.2	37.9	37.2	33.7	27.4	33.7
3	36.2	38.9	36.2	32.3	30.6	32.3
4	28.5	31.4	28.5	25.2	26.3	25.2
5	21.1	23.2	21.1	18.7	20.3	18.7
6	15.4	16.7	15.4	13.8	15.2	13.8
7	11.3	12.2	11.3	10.2	11.3	10.2
8	8.4	9	8.4	7.7	8.4	7.7
9	6.4	6.7	6.4	5.9	6.4	5.9
10	4.9	5.1	4.9	4.6	4.9	4.6

Photometric Multipliers - Selectable lumen 1000lm - 1500lm - 2000lm

1000 Lumen	1500 Lumen	2000 Lumen
0.51	0.65	1.00

Multipliers for nominal values with other series models

Color Finish Multipliers

Finish code	MW	MMS	BZ
Finish	Matte White	Matte Metallic Silver	Bronze
Multiplier	1.00	0.93	0.88

Multipliers for nominal values with other series models

CCT Multipliers – 80CRI - Selectable CCT 3000K - 3500K - 4000K

3000K	3500K	4000K
0.88	1.00	0.96

Multipliers for nominal values with other series models

CCT Multipliers – 90CRI - Selectable CCT 3000K - 3500K - 4000K

3000K	3500K	4000K
0.76	0.76	0.74

Multipliers for nominal values with other series models

Note: Refer to IES files for more product data.

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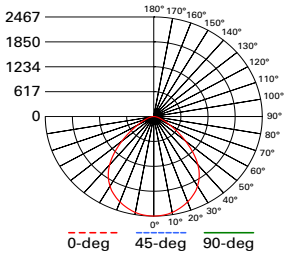
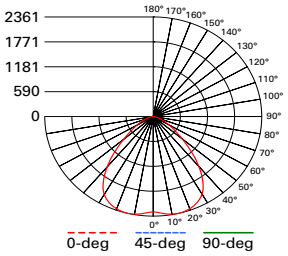
PR6 | PR6M

Photometric Data

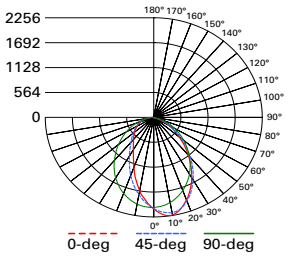
View IES files



PR6FS24D010 - PR6M24MD8FSMW
High lumen module, 4000 lumen, medium lens
Spacing criterion: (II) 1.2 x
Lumens: 4993
Input Watts: 39 W
Efficacy: 128 LPW
UGR: 23
Test Report: PR6FS24D010 PR6M24MD8FSMW 4000Lm3500K.ies



PR6FS24D010 - PR6M24MD8FSMW
High lumen module, 4000 lumen, wide lens
Spacing criterion: (II) 1.33 x
Lumens: 4940
Input Watts: 39 W
Efficacy: 126.7 LPW
UGR: 23
Test Report: PR6FS24D010 PR6M24WD8FSMW 4000Lm3500K.ies



PR6FS24D010 - PR6M24MD8FSMW - PR6WW
High lumen module - wall wash, 2000 lumen, wall wash accessory
Spacing criterion: (II) 1.13 x
Lumens: 3841
Input Watts: 39 W
Efficacy: 98.5 LPW
UGR: 21
Test Report: PR6FS24D010 PR6M24WW8FSMW 4000Lm3500K.ies

SINGLE UNIT FOOTCANDLES

	2.5' from wall (distance from fixture along wall)						
1	31.7	23.3	11.3	4.8	2	0.9	0.4
2	56.1	44.8	25.3	12.6	6.2	3.1	1.6
3	50.7	43.2	28.3	16.1	8.9	4.9	2.8
4	37	33.1	24.3	15.7	9.6	5.8	3.5
5	25.6	23.6	18.8	13.4	9	5.9	3.8
6	17.7	16.6	14	10.8	7.8	5.4	3.8
7	12.4	11.9	10.4	8.4	6.5	4.8	3.5
8	9	8.7	7.8	6.6	5.3	4.1	3.1
9	6.7	6.4	5.9	5.1	4.3	3.5	2.7
10	5	4.9	4.6	4	3.5	2.9	2.4

MULTIPLE UNIT FOOTCANDLES

	2.5' from wall (distance from fixture along wall) 3			2.5' from wall (distance from fixture along wall) 4		
1	36.5	33.6	36.5	33.7	22.5	33.7
2	68.8	70	68.8	62.3	50.7	62.3
3	66.9	71.8	66.9	59.6	56.6	59.6
4	52.7	58	52.7	46.6	48.6	46.6
5	39	42.8	39	34.5	37.6	34.5
6	28.4	30.9	28.4	25.5	28	25.5
7	20.8	22.5	20.8	18.9	20.8	18.9
8	15.6	16.6	15.6	14.3	15.6	14.3
9	11.8	12.4	11.8	10.9	11.8	10.9
10	9.1	9.5	9.1	8.5	9.1	8.5

Photometric Multipliers - Selectable lumen 2000lm-3000lm-4000lm

2000 Lumen	3000 Lumen	4000 Lumen
0.54	0.69	1.00

Multipliers for nominal values with other series models

Color Finish Multipliers

Finish code	MW	MMS	BZ
Finish	Matte White	Matte Metallic Silver	Bronze
Multiplier	1.00	0.93	0.88

Multipliers for nominal values with other series models

CCT Multipliers – 80CRI - Selectable CCT 3000K - 3500K - 4000K

3000K	3500K	4000K
0.89	1.00	0.95

Multipliers for nominal values with other series models

CCT Multipliers – 90CRI - Selectable CCT 3000K - 3500K - 4000K

3000K	3500K	4000K
0.77	0.83	0.75

Multipliers for nominal values with other series models

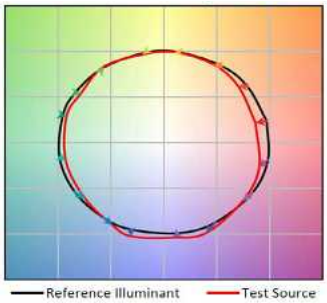
Note: Refer to IES files for more product data.

HALO Commercial PR6 | PR6M

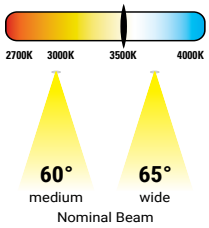
Energy and Performance Data

COLOR METRICS - TM-30-15 & CRI/CIE (3500K)

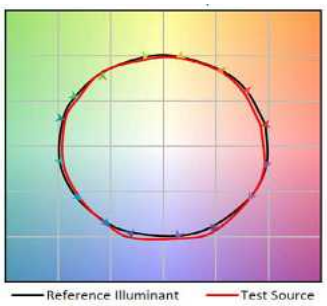
80 CRI Color Metric Summary - 3500K*



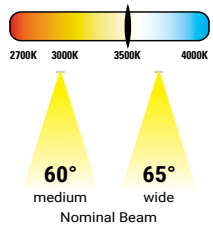
TM-30-15	Rf = 78.2
	Rg = 93.8
CRI/CIE	Ra = 78.4
	R9 = -4.5



90 CRI Color Metric Summary - 3500K*



TM-30-15	Rf = 90.9
	Rg = 98.6
CRI/CIE	Ra = 96.6
	R9 = 91.5



PR6FS12 LED MODULE LOW LUMEN RANGE

Series	1000 lumen	
Input Voltage 120-277VAC	120V	277V
Input Current (A)	0.089	0.043
Input Power (W)	10.5	11
In-rush (A)	8.9	22.2
In-rush Duration (ms)	0.145	0.118
THD (%)	<15.1	<16.7
PF	≥ 0.98	≥ 0.92
Minimum starting temperature -20°C (-4°F)*		
Sound Rating: Class A standards		

Series	1500 lumen	
Input Voltage 120-277VAC	120V	277V
Input Current (A)	0.112	0.052
Input Power (W)	13.4	13.8
In-rush (A)	9.9	24.8
In-rush Duration (ms)	0.198	0.107
THD (%)	<13.3	<15.5
PF	≥ 0.98	≥ 0.94
Minimum starting temperature -20°C (-4°F)*		
Sound Rating: Class A standards		

Series	2000 lumen	
Input Voltage 120-277VAC	120V	277V
Input Current (A)	0.178	0.079
Input Power (W)	21.3	21.4
In-rush (A)	8	19.1
In-rush Duration (ms)	0.185	0.133
THD (%)	<8.2	<10.6
PF	≥ 0.99	≥ 0.97
Minimum starting temperature -20°C (-4°F)*		
Sound Rating: Class A standards		

PR6FS24 LED MODULE HIGH LUMEN RANGE

Series	2000 lumen	
Input Voltage 120-277VAC	120V	277V
Input Current (A)	0.176	0.081
Input Power (W)	21	21.2
In-rush (A)	15.3	32.1
In-rush Duration (ms)	0.237	0.12
THD (%)	<11	<13.6
PF	≥ 0.99	≥ 0.94
Minimum starting temperature -20°C (-4°F)*		
Sound Rating: Class A standards		

Series	3000 lumen	
Input Voltage 120-277VAC	120V	277V
Input Current (A)	0.225	0.101
Input Power (W)	26.9	27
In-rush (A)	11.6	27.9
In-rush Duration (ms)	0.187	0.081
THD (%)	<9.05	<11.8
PF	≥ 0.99	≥ 0.96
Minimum starting temperature -20°C (-4°F)*		
Sound Rating: Class A standards		

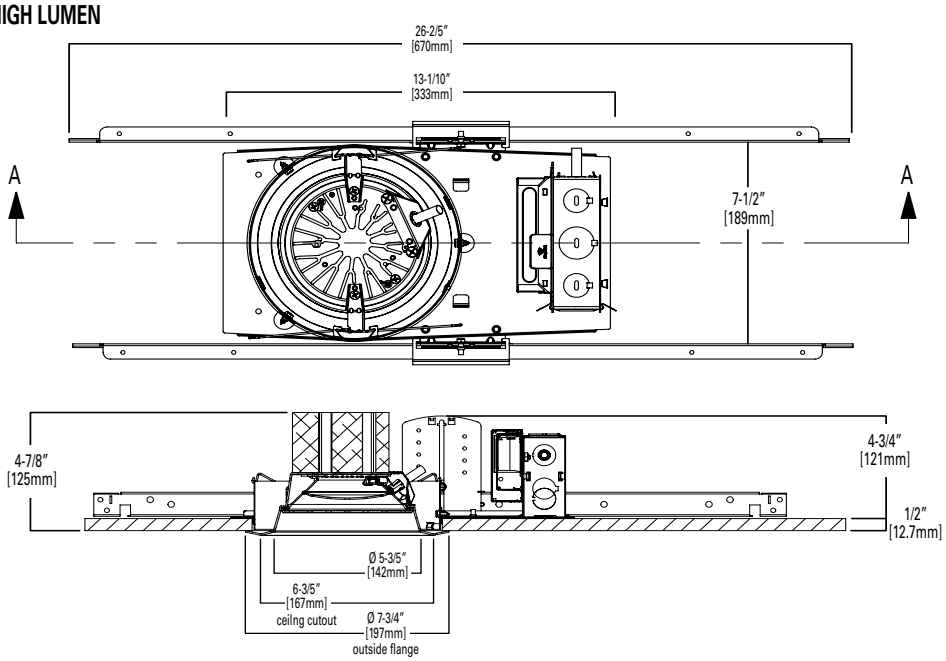
Series	4000 lumen	
Input Voltage 120-277VAC	120V	277V
Input Current (A)	0.332	0.145
Input Power (W)	39.8	39.4
In-rush (A)	12.8	27.5
In-rush Duration (ms)	0.211	0.107
THD (%)	<5.9	<8.8
PF	≥ 0.99	≥ 0.98
Minimum starting temperature -20°C (-4°F)*		
Sound Rating: Class A standards		

Notes:
* Emergency Battery packs are rated for a minimum starting temperature of 0°C.

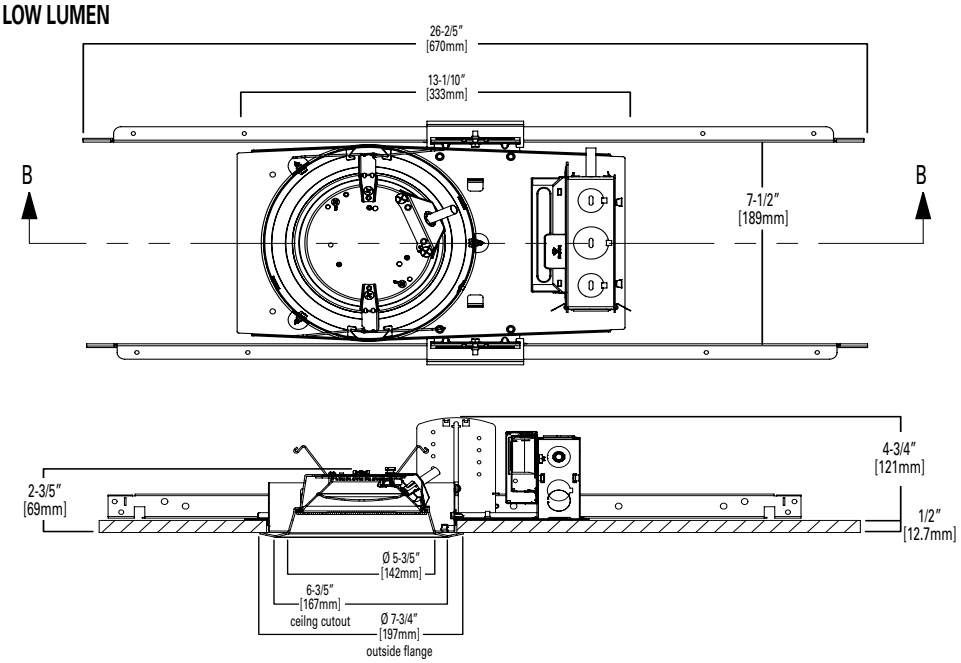
HALO Commercial PR6 | PR6M

Dimensional Details

HIGH LUMEN



LOW LUMEN



HALO Commercial PR6 | PR6M

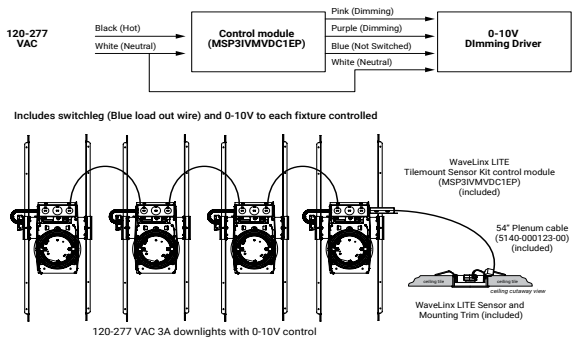
Connected Solutions

WaveLinx LITE - WTK Tilemount Sensor

WaveLinx LITE devices only compatible with the WaveLinx LITE system.

- Intuitive Android™ or Apple® iOS® app for basic system code compliant set up and configuration via Bluetooth
- Up to 28 unique areas per project site (WaveLinx LITE Bluetooth network)
- Up to 50 devices for an area, any one of 16 control zones, up to 6 occupancy sets, and custom lighting scenes
- Automatic occupancy or vacancy, sensor sensitivity, daylight dimming, etc. configurable through the app
- Refer to the WaveLinx system specifications for details

WaveLinx LITE WTK Tilemount Wiring Diagram



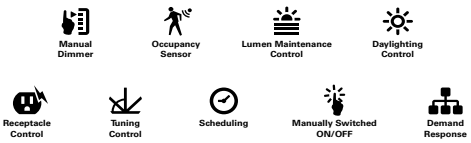
WaveLinx LITE Bluetooth Enabled System

WaveLinx PRO – WTA Tilemount Sensor

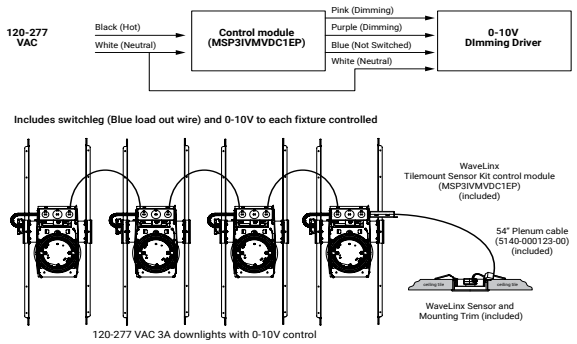
WaveLinx PRO devices only compatible with the WaveLinx PRO system.

- WaveLinx PRO tilemount functionality configures zones and customizes settings from one secure mobile app
- Automatic code commissioning that meets the strictest codes
- Fixtures and sensors integrate with Wireless Area Controller, Wall Stations, and Control Devices
- Stand-Alone Offices or Entire Building Network Installations

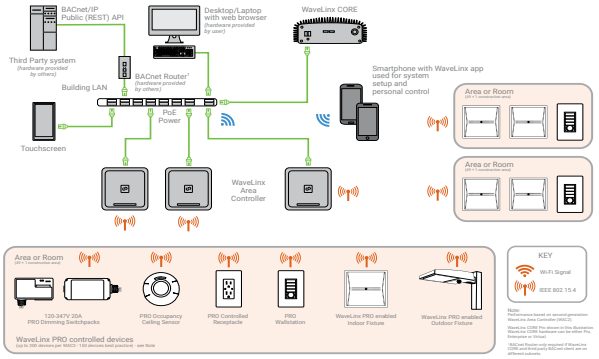
WaveLinx mobile app settings



WaveLinx WTA Tilemount Wiring Diagram



WaveLinx CORE Building Management Integration



HALO Commercial PR6 | PR6M

Connected Solutions

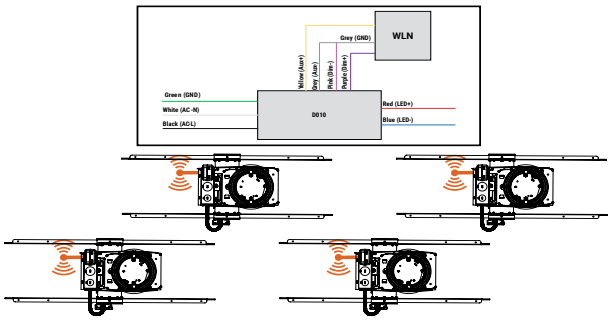
WaveLinx LITE Wireless Node - WLN

WaveLinx LITE devices only compatible with the WaveLinx LITE system.

- Intuitive Android™ or Apple® iOS® app for basic system code compliant set up and configuration via Bluetooth
- Up to 28 unique areas per project site (WaveLinx LITE Bluetooth network)
- Up to 50 devices for an area, any one of 16 control zones, up to 6 occupancy sets, and custom lighting scenes
- Refer to the WaveLinx system specifications for details

WaveLinx mobile app settings

WaveLinx LITE Wireless Node (WLN) Wiring Diagram



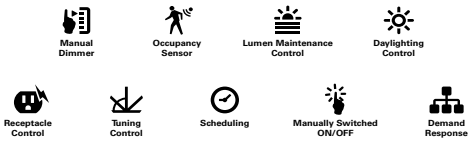
WaveLinx LITE Bluetooth Enabled System

WaveLinx PRO Wireless Node - WPN

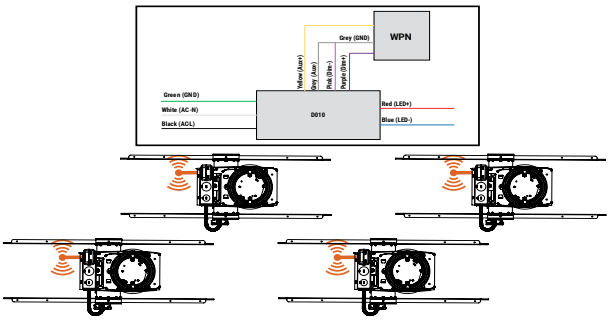
WaveLinx PRO devices only compatible with the WaveLinx PRO system.

- WaveLinx Wireless functionality configures zones and customizes settings from one secure mobile app
- Automatic code commissioning that meets the strictest codes
- Fixtures and sensors integrate with WaveLinx Area Controller, Wall Stations, and Control Devices
- Stand-Alone Offices or Entire Building Network Installations

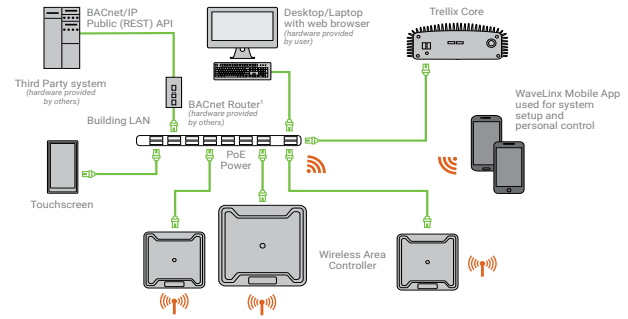
WaveLinx mobile app settings



WaveLinx PRO Wireless Node (WPN) Wiring Diagram



WaveLinx CORE Building Management Integration



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Specifications and dimensions subject to change without notice.

Job Name : JACKSON COUNTY AIRPORT - TERMINAL AREA DEVELOPMENT
Manufacturer : HALO LIGHTING RECESSED
Model Number : SMD6R129SWH

Type : D

Project		Catalog #		Type	
Prepared by		Notes		Date	

HALO

SMD6 Series

6" Round and Square Surface Mount Downlight
SMD6R & SMD6S

Typical Applications
Residential

Interactive Menu

- Order Information page 2
- Product Specifications page 4
- Photometric Data page 5
- Product Warranty

Product Certification

Refer to ENERGY STAR® Certified Products List.
Can be used to comply with California Title 24 High Efficacy requirements.
Certified to California Appliance Efficiency Database under JA8.

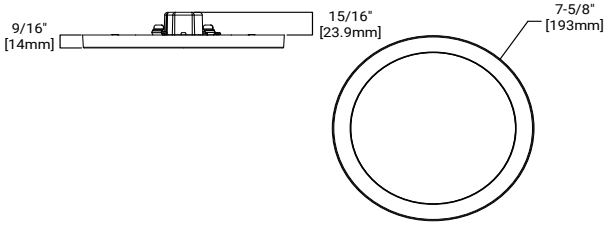
Product Features

Top Product Features

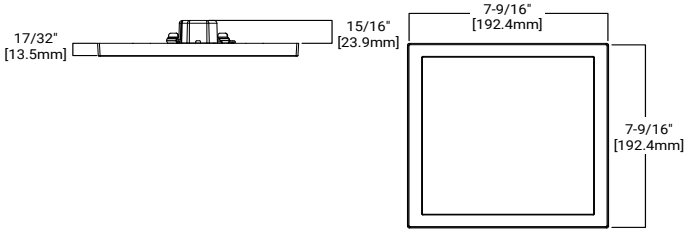
- Ultra-low profile surface luminaire with wide distribution
- Ceiling or wall mounting in compatible junction boxes
- 600 & 1200 lumen; 2700K, 3000K, 3500K, 4000K or 5000K field selectable CCT; 90 CRI
- 120V only and Universal Voltage 120V – 277V options
- Dimmable with 120V dimmers

Dimensional and Mounting Details

SMD6R69SWH



SMD6S69SWH

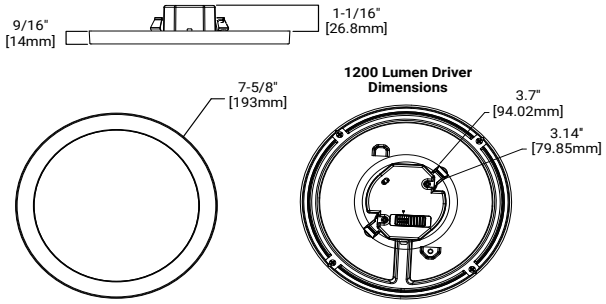


additional product diagrams

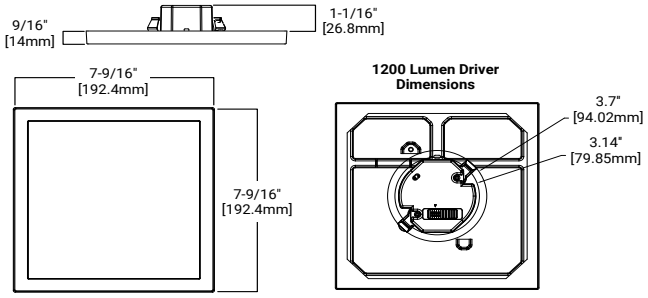
HALO — SMD6 SeleCCTable Series

Dimensional and Mounting Details (continued)

SMD6R129SWH
SMD6R129SWHE



SMD6S129SWH
SMD6S129SWHE



Note: Ensure junction box (provided by others) internal dimension supports driver dimension.

Ordering Information

SAMPLE NUMBER: **SMD6R69SWH** = 6" Round Surface Mount Downlight, 600 lumen, 90CRI, Selectable CCT, White, 120V
Junction Box Installation: Order junction box separately, as supplied by others, to complete installation.
Recessed Installation: Order HALO recessed housing and SMD6ACCKIT separately to complete installation.

Models | Lumens | CRI/CCT | Finish | Voltage

Models	Lumens	CRI/CCT	Finish	Voltage
SMD6R = 6" Round Surface Mount Downlight **SMD6S** = 6" Square Surface Mount Downlight	**6** = 600 lumen series (120V only) **12** = 1200 lumen series (1)	**9S** = 90CRI, 2700K - 5000K Field Selectable CCT	**WH** = Matte White	**Blank** = 120V standard **E** = UNV Universal 120-277V (2)
Notes	**Notes** (1) 1200 lumen series requires use of 4" square junction box or similar to support driver.	**Notes**	**Notes**	**Notes** (2) UNV voltage configuration is offered only in the 1200 lumen series

Accessories

Accessories
Designer Trims **SMD6RTRMSN** = 6" Round SMD Satin Nickel **SMD6RTRMTBZ** = 6" Round SMD Tuscan Bronze **SMD6RTRMWH** = 6" Round SMD White (paintable) **SMD6RTRMMB** = 6" Round SMD Matte Black **SMD6STRMSN** = 6" Square SMD Satin Nickel **SMD6STRMTBZ** = 6" Square SMD Tuscan Bronze **SMD6STRMWH** = 6" Square SMD White (paintable) **SMD6STRMMB** = 6" Square SMD Matte Black **T24HWKIT** = Title 24 Cable harness kit used to convert incandescent and low voltage housings to LED **SMD6ACCKIT =** SMD6 accessory kit includes friction clips, torsion sprigs and a Edison screwbase adapter for recessed housing installation.
Notes

Accessories

Designer Trims

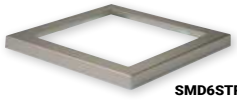
SMD6RTRMWH
round, white (paintable)

SMD6RTRMSN
round, satin nickel

SMD6RTRMTBZ
round, tuscan bronze

SMD6RTRMMB
round, matte black

SMD6STRMWH
square, white (paintable)



SMD6STRMSN
square, satin nickel

SMD6STRMTBZ
square, tuscan bronze

SMD6STRMMB
square, matte black

HALO SMD6 SeleCCTable Series

JUNCTION BOX COMPATIBILITY

***Note:** SMD 1200 lumen 120V configuration is only compatible with junction boxes 4" x 2-1/8" deep. Square junction box is required for 1200 lumen version.

TP316*
for non-metallic cable
4" x 4" x 2-1/8"
(102mm x 102mm x 54mm)

TP317*
for metal clad cable
4" x 4" x 2-1/8"
(102mm x 102mm x 54mm)

4" octagon light fixture/fan steel box*
4" x 4" x 2-1/8"
(102mm x 102mm x 54mm)

4" octagon steel box
4" x 4" x 1-1/2"
(102mm x 102mm x 38mm)

4" square deep steel box*
4" x 4" x 2-1/8"
(102mm x 102mm x 54mm)

4" square standard steel box
4" x 4" x 1-1/2"
(102mm x 102mm x 38mm)

4" round new work non-metallic light fixture/fan box
4" diameter x 2-3/16"
(102mm x 56mm)

3-1/2" round new work non-metallic ceiling box
3-1/2" diameter x 2-3/4"
(89mm x 70mm)

4" round surface mount box
4" diameter x 1-1/2"
(102mm x 38mm)
Requires SLD6RAD adapter

4" round new work non-metallic box with hanger bar assembly
4" diameter x 2-3/16" (102mm x 56mm)

This is a representative list of compatible junction boxes only. Information contained in this literature about other manufacturers' products is from published information made available by the manufacturer and is deemed to be reliable, but has not been verified. Cooper Lighting Solutions makes no specific recommendation on product selection and there are no warranties of performance or compatibility implied. Installer must determine that site conditions are suitable to allow proper installation of the mounting bracket in the box.

HALO — SMD6 SeleCCTable Series

Product Specifications

Housing
- Non-electrically conductive polycarbonate frame.
- High impact diffuse polystyrene lens provides shielding to the light guide with no pixilation
- Stamped aluminum housing provides thermal cooling achieving L70 at 50,000 hours in IC and non-IC applications

Gaskets
- Closed cell gasket achieves restrictive airflow and wet location requirements without additional caulking

Optics
- Precision acrylic light guide organizes source flux into wide distribution with 1.2 – 1.4 spacing criteria useful for general area illumination

LED
- Mid power LED array provide a uniform source with high efficiency and long life
- Available in 90 CRI minimum, R9 greater than 50 and color accuracy within 3 SDCM provide color accuracy and uniformity

Driver
SMD 120V
- Integral 120V 50/60Hz constant current driver provides noise free operation
- Continuous, flicker-free dimming from 100% to 5% with select leading or trailing edge 120V phase cut dimmers
- Dimming to 5% is best assured using dimmers with low end trim adjustment. Consult dimmer manufacturer for compatibility and conditions of use. (Note some dimmers require a neutral in the wallbox.)
- Inline electrical quick connect and E26 adapter (provided) provides mains connections

SMD 120-277V
- Integrated 120-277V 60Hz constant current driver provides noise free operation
- SMD Universal Voltage (120-277V) configurations are recommended for use with compatible 0-10V DC
- low voltage dimmers only

Mounting/Retention
- Adjustable spider plate allows for quick installation into both junction boxes and recessed housings
- Torsion springs and friction blades included

Electrical Junction Box Mounting
- The SMD may be used in compatible electrical junction boxes in direct contact with insulation including spray foam insulation
- Suitable for installation in many 3-1/2" and 4" square, octagon, and round electrical junction boxes **Note:** SMD120-277V UNV is only compatible with junction boxes that provide minimum depth of 2-1/8"
- Installer must ensure compatibility of fit, wiring and proper mounting in the electrical junction box. This includes all applicable national and local electrical and building coded

Recessed Housing Mounting
Note: Use the SMDACCKIT which includes torsion springs and Edison base adapter. (SOLD SEPERATELY)
- May be installed in IC recessed housings in direct contact with insulation
  Note: Not for use in recessed housing in direct contact with spray foam insulation. Refer to NEMA LSD 57-2013

Designer Skins (Sold Separately)
- SMD skins are accessory rings in both round and square. These skins attach to the SMD for a permanent finish. Refer to the SMD accessories specification sheet for details
  - Matte White (Paintable)
  - Satin Nickel
  - Tuscan Bronze

Compliance
- cULus Certified for use with Halo housings and for use with other's housings, , when used with SMDACCKIT (Sold Seperately) see instruction sheet for conditions of acceptability
- Wet and Damp Location listed, airtight per ASTM-E283
- Suitable for use in closets, compliant with NFPA® 70, NEC® Section 410.16 (A)(3) and 410.16 (C)(5)
- EMI/RFI emissions per FCC 47CFR Part 15B
- Contains no mercury or lead and RoHS compliant.
- Photometric testing in accordance with IES LM-79-08
- Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11
- Can be used for State of California Title 24 high efficacy luminaire compliance, reference the California Energy Commission Title 20 Appliance Efficiency Database for current listings
- Can be used for International Energy Conservation Code (IECC) and high efficiency luminaire compliance
- ENERGY STAR® listed, reference database for current listings

Warranty
- Five year limited warranty, consult website for details. www.cooperlighting.com/warranty

Energy Data

SMD6R6 / SMD6S6

	Round	Square
Lumens (5000K models)	777	800
Input Power	9 W	9 W
Input Current	0.085 A	0.085 A
Efficiency	86 lm/W	85 lm/W
THDi	8	8
Input Voltage	120V	
Frequency	60 Hz	
CRI	90 CRI	
Power Factor	0.98	
T Ambient	-30 - +40°C	
Sound Rating	Class A	

SMD6R12 / SMD6S12

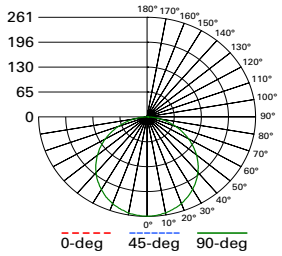
	Round	Square
Lumens (5000K models)	1271	1345
Input Power	15	15
Input Current	0.129 A	0.129 A
Efficiency	85 lm/W	88 lm/W
THDi	12.6	12.6
Input Voltage	120V	
Frequency	60 Hz	
CRI	90 CRI	
Power Factor	0.98	
T Ambient	-30 - +40°C	
Sound Rating	Class A	

SMD6R12-E / SMD6S12-E

	Round	Square
Lumens (5000K models)	1357	1364
Input Power	14.5	14.5
Input Current	0.125 A (120V) 0.058 A (277V)	0.125 A (120V) 0.058 A (277V)
Efficiency	94 lm/W	94 lm/W
THDi	12.8	12.8
Input Voltage	120 - 277V	
Frequency	60 Hz	
CRI	90 CRI	
Power Factor	0.99 (120V) 0.94 (277V)	
T Ambient	-30 - +40°C	
Sound Rating	Class A	

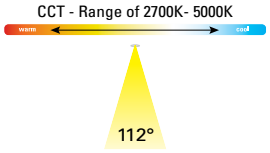
HALO — SMD6 SeleCCTable Series

Photometric Data

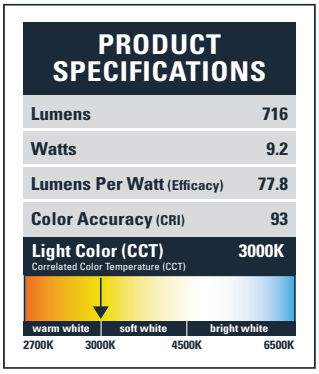


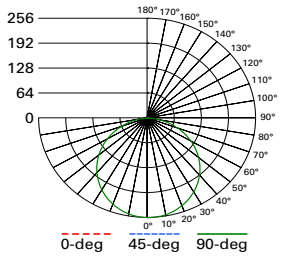
SMD6R69SWH - 3000K.IES
Spacing criterion: (0-180) 1.26
(90-270) 1.26
(Diagonal) 1.38
Beam Angle: 112°
Lumens: 757
Input Watts: 8.9 W
Efficacy: 85 LPW
Test Report:
SMD6R69SWH - 3000K.IES

Zonal Lumen	Lumens	% Lumens
0-30	201	26.6
0-40	330	43.6
0-60	585	77.4
0-90	752	99.4



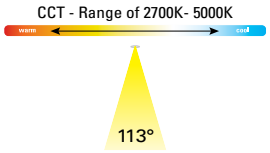
SMD6R69SWH	CCT	Watts	Lumens	LPW	CRI
600 Lumen 6" Round Selectable CCT	2700K	9.2	704	76.6	93
	3000K	9.2	716	77.8	93
	3500K	9.2	729	79.2	94
	4000K	9.2	742	80.5	94
	5000K	9.2	756	82.0	93



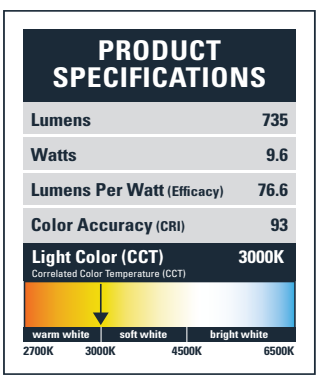


SMD6S69SWH - 3000K.IES
Spacing criterion: (0-180) 1.28
(90-270) 1.28
(Diagonal) 1.40
Beam Angle: 113°
Lumens: 752
Input Watts: 9.2 W
Efficacy: 82 LPW
Test Report:
SMD6S69SWH - 3000K.IES

Zonal Lumen	Lumens	% Lumens
0-30	199	26.4
0-40	326	43.4
0-60	580	77.2
0-90	748	99.5

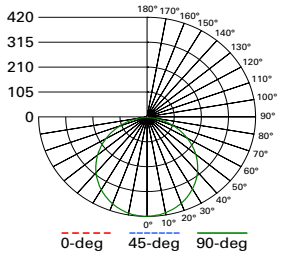


SMD6S69SWH	CCT	Watts	Lumens	LPW	CRI
600 Lumen 6" Square Selectable CCT	2700K	9.6	720	75.3	93
	3000K	9.6	735	76.7	93
	3500K	9.6	750	78.2	94
	4000K	9.6	764	79.5	94
	5000K	9.6	774	80.7	92



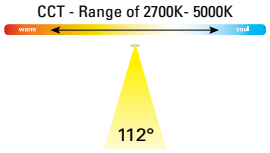
HALO — SMD6 SeleCCTable Series

Photometric Data

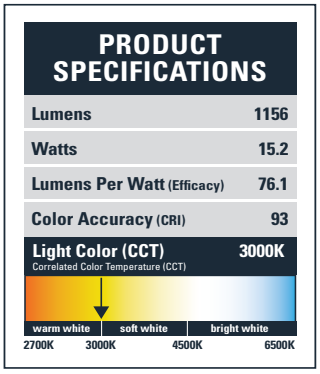


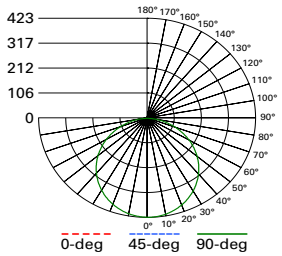
SMD6R129SWH - 3000K.IES
Spacing criterion: (0-180) 1.26
(90-270) 1.26
(Diagonal) 1.38
Beam Angle: 112°
Lumens: 1221
Input Watts: 14.9 W
Efficacy: 82 LPW
Test Report:
SMD6R129SWH - 3000K.IES

Zonal Lumen	Lumens	% Lumens
0-30	325	26.6
0-40	533	43.6
0-60	945	77.4
0-90	1215	99.5



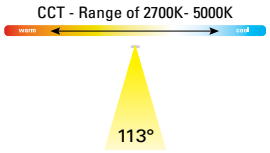
SMD6R129SWH	CCT	Watts	Lumens	LPW	CRI
1200 Lumen 6" Round Selectable CCT	2700K	15.2	1135	74.7	92
	3000K	15.2	1156	76.1	93
	3500K	15.2	1178	77.5	94
	4000K	15.2	1198	78.8	95
	5000K	15.2	1226	80.7	93



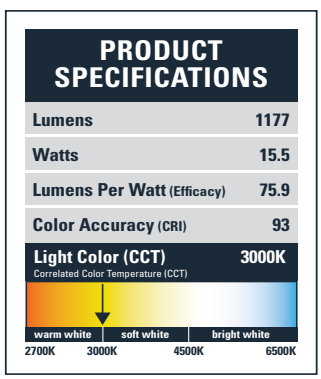


SMD6S129SWH - 3000K.IES
Spacing criterion: (0-180) 1.26
(90-270) 1.26
(Diagonal) 1.40
Beam Angle: 113°
Lumens: 1241
Input Watts: 14.9 W
Efficacy: 83 LPW
Test Report:
SMD6S129SWH - 3000K.IES

Zonal Lumen	Lumens	% Lumens
0-30	329	26.5
0-40	539	43.5
0-60	960	77.3
0-90	1237	99.6

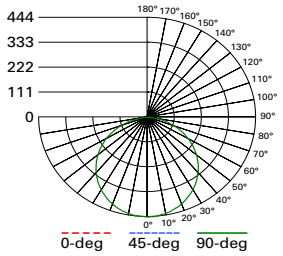


SMD6S129SWH	CCT	Watts	Lumens	LPW	CRI
1200 Lumen 6" Square Selectable CCT	2700K	15.5	1153	74.4	92
	3000K	15.5	1177	75.9	93
	3500K	15.5	1206	77.8	95
	4000K	15.5	1224	79.0	95
	5000K	15.4	1256	81.6	93



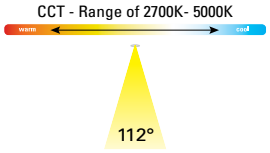
HALO — SMD6 SeleCCTable Series

Photometric Data

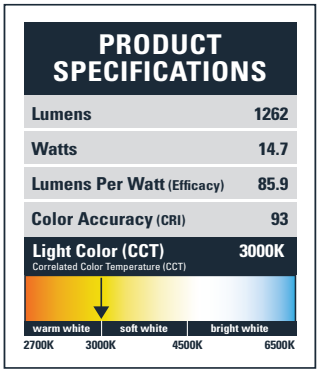


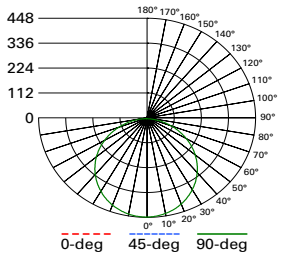
SMD6R129SWHE - 3000K.IES
Spacing criterion: (0-180) 1.24
(90-270) 1.24
(Diagonal) 1.38
Beam Angle: 112°
Lumens: 1289
Input Watts: 14.5 W
Efficacy: 89 LPW
Test Report:
SMD6R129SWHE - 3000K.IES

Zonal Lumen	Lumens	% Lumens
0-30	343	26.6
0-40	562	43.6
0-60	997	77.3
0-90	1282	99.5



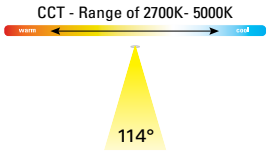
SMD6R129SWHE	CCT	Watts	Lumens	LPW	CRI
1200 Lumen 6" Round Selectable CCT 120-277V	2700K	14.7	1237	84.1	92
	3000K	14.7	1262	85.9	93
	3500K	14.7	1289	87.7	95
	4000K	14.7	1311	89.2	95
	5000K	14.7	1306	88.8	93



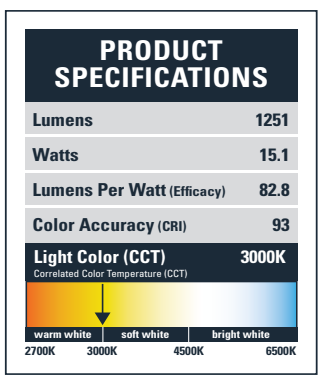


SMD6S129SWHE - 3000K.IES
Spacing criterion: (0-180) 1.26
(90-270) 1.26
(Diagonal) 1.40
Beam Angle: 114°
Lumens: 1312
Input Watts: 14.7 W
Efficacy: 89 LPW
Test Report:
SMD6S129SWHE - 3000K.IES

Zonal Lumen	Lumens	% Lumens
0-30	348	26.5
0-40	570	43.5
0-60	1014	77.3
0-90	1307	99.6



SMD6S129SWHE	CCT	Watts	Lumens	LPW	CRI
1200 Lumen 6" Square Selectable CCT 120-277V	2700K	15.1	1225	81.1	92
	3000K	15.1	1251	82.8	93
	3500K	15.1	1277	84.6	95
	4000K	15.1	1299	86.0	95
	5000K	15.1	1327	87.9	93



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Specifications and dimensions subject to change without notice.

HALO

DESCRIPTION

The Lazer Two-Conductor track is available in two finishes and 4 lengths. The overall height is only 9/16" and the track has a decorative reveal at the ceiling line. It accepts both Lazer Track lampholders and Halo Power-Trac lampholders. Lazer Track is UL listed and CSA certified.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

A. Structural
- Extruded aluminum .050" [1.3mm] nominal wall thickness.

B. Line Conductors
- Solid copper bus bars -cross section equivalent to #12 AWG wire.

C. Insulating Liner
- Extruded polyvinyl insulator.

D. Ground Conductor
- Cross section equivalent of #12 AWG wire.

E. Neutral Conductor
- Visual polarity groove indicates proper electrical installation of lampholder adapter.

Construction
- The structural channel is extruded aluminum with .050" nominal wall thickness. Conductors are solid copper bus bars encased in rigid extruded PVC insulators. Polarized connectors and end caps are molded polycarbonate. Electrical capacity is 20 AMPS.

Size
- Miniature Trac is only 9/16" (14mm) deep by 1 3/8" (35mm) wide.

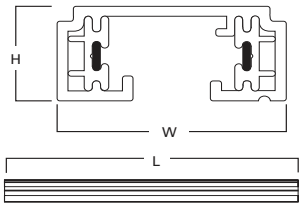
Finishes
- Miniature Trac is available in two finishes: White (P) and Matte Black, (MB).

Connectors
- Connectors simply push into the ends of the Trac, eliminating splicing. Straight, right angle, X's, T's and flexible connectors allow track to be assembled in almost any pattern.

Grounding
- Grounding is accomplished through a grounding channel in the track. The track maintains continuity to the building's grounding system through the ground contact fingers in each of the connectors.

Polarity
- A visual polarity line on Lazer Track indicates proper electrical installation. Simply line up polarity on Lazer Track and lampholder adapter wide.

Mounting
- Track system is recommended for ceiling mount only. For alternate mounting methods consult factory.



	L	W	H
LZR102 2' Nominal	20-1/8" [511mm]	1-3/8" [35mm]	5/8" [14mm]
LZR104 4' Nominal	44-1/8" [1121mm]	1-3/8" [35mm]	5/8" [14mm]
LZR106 6' Nominal	68-1/8" [1730mm]	1-3/8" [35mm]	5/8" [14mm]
LZR108 8' Nominal	92-1/8" [2340mm]	1-3/8" [35mm]	5/8" [14mm]

LZR102, LZR104, LZR106, LZR108

MINIATURE SINGLE CIRCUIT TRAC SYSTEM

Lazer -Trac

120V

LAZER TRACK LIGHTING by HALO

ORDERING INFORMATION

SAMPLE NUMBER: LZR108P

Track	Finishes	Connectors (Order Separately)	Accessories (Order Separately)	Current Limiters (Order Separately)
LZR102= 2' **LZR104**= 4' **LZR106**= 6' **LZR108**= 8'	**P**=White **MB**=Black	**LZR200**= Live End Feed with Junction Box Cover **LZR201**= Live End Feed **LZR202**= Floating Canopy and Connector **LZR203**= Adjustable L and Straight Connector **LZR204**= Conduit Adapter Feed **LZR205**= Conduit Continuation Feed **LZR206**= T-Bar Canopy **LZR208**= Cord and Plug Feed **LZR211**= Flexible Connector Feed **LZR212**= Mini Joiner **LZR213R**= "T" Connector - Right **LZR213L**= "T" Connector - Left **LZR214**= "X" Connector Finishes **P**=White **MB**=Black	**LZR207**= T-Bar Mounting Clip **LZR209**= Monopoint Feed **LZR210**= Monopoint Feed—Low Voltage Finishes **P**=White **MB**=Black	Current Limiter - End Feed **LZRC201CB120**= 120W(1A@120V) **LZRC201CB300**= 300W(2.5A@120V) **LZRC201CB600**= 600W(5A@120V) **LZRC201CB960**= 960W(8A@120V) **LZRC201CB1200**= 1200W(10A@120V) Current Limiter - Center Feed **LZRC203CB120**= 120W(1A@120V) **LZRC203CB300**= 300W(2.5A@120V) **LZRC203CB600**= 600W(5A@120V) **LZRC203CB960**= 960W(8A@120V) **LZRC203CB1200**= 1200W(10A@120V) Finishes **P**=White **MB**=Black

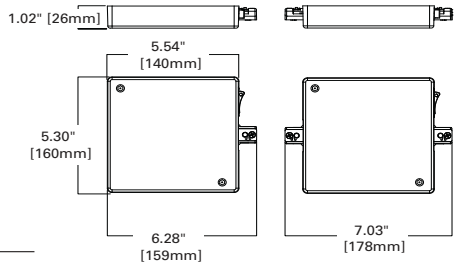
COOPER Lighting Solutions

TD518195EN
9/01/2016

LZR102, LZR104, LZR106, LZR108

LZRC201, LZRC203 - Current Limiter - End and Center Feeds

End-feed and Center-feed capable:
Five breaker sizes are available. Consult factory if other sizes are required. Can be utilized on hard or grid ceilings. Can be used with pendant suspended track. Breaker can be used as an on-off switch. Breaker features a "tripped" condition indicator. cULus Listed



LZRC201
LZRC203

T24 Can be used to comply with California Title 24 High Efficacy requirements
T20 Certified to California Title 20 Appliance Database

ORDERING INFORMATION

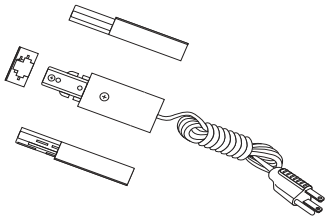
SAMPLE NUMBER: LZRC201CB120P

Feed Type	Circuit 1 Breaker	Finish
LZRC201= Lazer 1-Circuit End Feed **LZRC203**= Lazer 1-Circuit Center Feed	**CB120**=120W (1A @120V) **CB300**=300W (2.5A @120V) **CB600**=600W (5A @120V) **CB960**=960W (8A @120V) **CB1200**=1200W (10A @120V)	**P**=White **MB**=Black

Connectors specifically for Lazer-by-Halo Track sections. Use for forming almost any configuration of track layouts.

LZR208 - Cord and Plug Feed

10' three-wire cord with grounded plug. Maximum capacity 5 AMPS.
Color codes: P (White), MB (Black)



LZR208

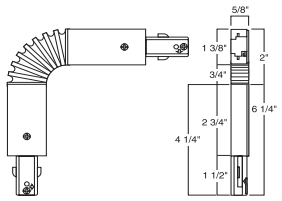
ORDERING INFORMATION

SAMPLE NUMBER: LZR208P

Connector	Finish
LZR208= Cord and Plug Feed	**P**=White **MB**=Black

LZR211 - Flexible Connector Feed

To connect two track sections at any angle up to 90° or for connecting wall and ceilingmounted track. Can be used as electrical feed point.
Color codes: P (White), MB (Black)



LZR211

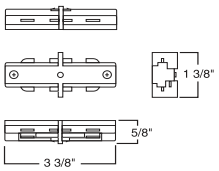
ORDERING INFORMATION

SAMPLE NUMBER: LZR211P

Connector	Finish
LZR211= Flexible Connector Feed	**P**=White **MB**=Black

LZR212 - Mini Connector

For joining two track sections end-to-end. LZR212 is not an electrical feed.
Color codes: P (White), MB (Black)



LZR212

ORDERING INFORMATION

SAMPLE NUMBER: LZR212P

Connector	Finish
LZR212= Mini Connector	**P**=White **MB**=Black

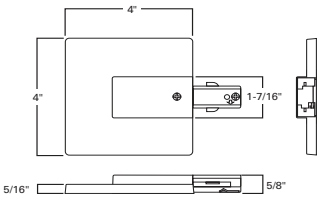
LZR200 - Live End Feed with Junction Box Cover

For starting a track run at beginning of track and when connector is mounted to a junction box.
Color codes: P (White), MB (Black)

ORDERING INFORMATION

SAMPLE NUMBER: LZR200P

Connector	Finish
LZR200= Live End Feed with Junction Box Cover	**P**=White **MB**=Black



LZR200

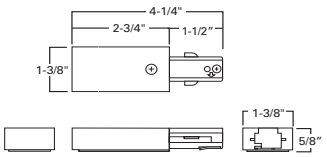
LZR201 - Live End Feed

For starting a track run at beginning of track.
Color codes: P (White), MB (Black)

ORDERING INFORMATION

SAMPLE NUMBER: LZR201P

Connector	Finish
LZR201= Live End Feed	**P**=White **MB**=Black



LZR201

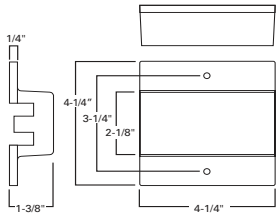
LZR202 - Floating Canopy and Connector Feed

Track can be connected to existing outlet box located anywhere along the track. Comes with canopy cover, connector, dead end and mounting hardware.
Color codes: P (White), MB (Black)

ORDERING INFORMATION

SAMPLE NUMBER: LZR202P

Connector	Finish
LZR202= Floating Canopy and Connector Feed	**P**=White **MB**=Black



LZR202

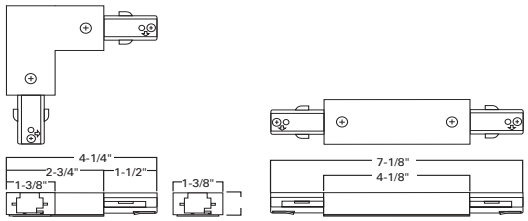
LZR203 - Adjustable "L" and Straight Connector Feed

To connect two track sections at right angles or straight end-to-end. Includes straight and right angle covers. Can be used as an electrical feed.
Color codes: P (White), MB (Black)

ORDERING INFORMATION

SAMPLE NUMBER: LZR203P

Connector	Finish
LZR203= Adjustable "L" and Straight Connector Feed	**P**=White **MB**=Black



LZR203

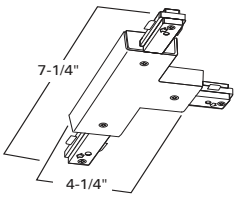
LZR213R "T" Connector (Right)
LZR213L "T" Connector (Left)

Use for joining three track sections. Select Right(R) or Left (L) Handed versions to maintain proper polarity. May be used as an electrical feed point.
Color codes: P (White), MB (Black)

ORDERING INFORMATION

SAMPLE NUMBER: LZR213RP

Connector	Finish
LZR213R= Right "T" Connector **LZR213L**= Left "T" Connector	**P**=White **MB**=Black

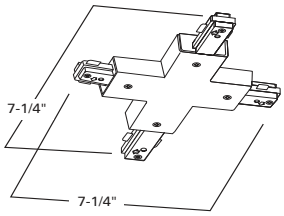


LZR213

LZR102, LZR104, LZR106, LZR108

LZR214 - X Connector

Use for joining four track sections. May be used as an electrical feed point.
Color codes: P (White), MB (Black)



LZR214

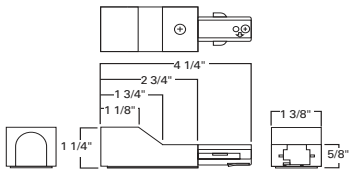
ORDERING INFORMATION

SAMPLE NUMBER: LZR214P

Connector	Finish
LZR214= X Connector	**P**=White **MB**=Black

LZR204 - Conduit Adpater Feed

Designed to accept 1/2" trade size conduit fitting (not supplied). Use when feeding to track through surface conduit system.
Color codes: P (White), MB (Black)



LZR204

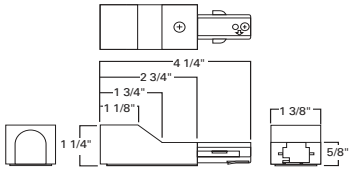
ORDERING INFORMATION

SAMPLE NUMBER: LZR204P

Connector	Finish
LZR204= Conduit Adapter Feed	**P**=White **MB**=Black

LZR205 - Conduit Continuation Feed

Includes one left feed and one right feed to continue a run around obstructions. Requires 1/2" trade size fitting (not included).
Color codes: P (White), MB (Black)



LZR205

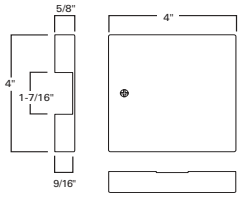
ORDERING INFORMATION

SAMPLE NUMBER: LZR205P

Connector	Finish
LZR205= Conduit Continuation Feed	**P**=White **MB**=Black

LZR206 - T-Bar Canopy Feed

For installing track on T-Bar ceilings.
LZR201 or LZR203 also required.
Color codes: P (White)



LZR206

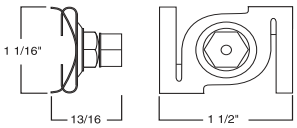
ORDERING INFORMATION

SAMPLE NUMBER: LZR206P

Connector	Finish
LZR206= T-Bar Canopy Feed	**P**=White

LZR207 - T-Bar Mounting Clip

For installing track to a suspended ceiling. Kit contains 3 clips for mounting 2', 4', 6', or 8' track. Order one kit for each track section. Compatible with Halo and Lazer track.



LZR207

ORDERING INFORMATION

SAMPLE NUMBER: LZR207

Connector
LZR207= T-Bar Mounting Clip

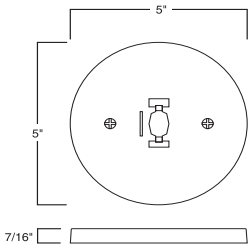
LZR209 - Monopoint Feed

For installing one Halo or Lazer track lampholder. Mounts directly to junction box. 500 watt maximum. Not compatible with Halo or Lazer low voltage lampholders with integral solid state power supplies.
Color codes: P (White), MB (Black)

ORDERING INFORMATION

SAMPLE NUMBER: LZR209P

Connector	Finish
LZR209= Monopoint Feed	**P**=White **MB**=Black



LZR209

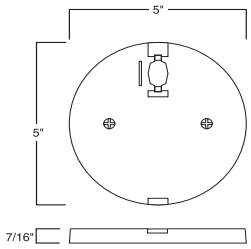
LZR210 - Monopoint Feed - Low Voltage

For installing one Halo or Lazer low voltage lampholder. Mounts directly to junction box. 500 watt maximum.
Color codes: P (White), MB (Black)

ORDERING INFORMATION

SAMPLE NUMBER: LZR210P

Connector	Finish
LZR210= Monopoint Feed - Low Voltage	**P**=White **MB**=Black



LZR210

COOPER Lighting Solutions

Cooper Lighting Solutions
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com

Specifications and dimensions subject to change without notice.

Job Name : JACKSON COUNTY AIRPORT - TERMINAL AREA DEVELOPMENT
Manufacturer : HALO LIGHTING TRACK
Model Number : L80916NF935MB

Type :
F HEADS

Catalog #		Date		Prepared by	
Project		Type		Notes	

HALO

809

XACT Beam Mid-Stem LED Track Luminaire

Typical Applications

Education • Hospitality • Retail

Interactive Menu

- Order Information page 2
- Product Warranty page 2
- Photometric Data page 3

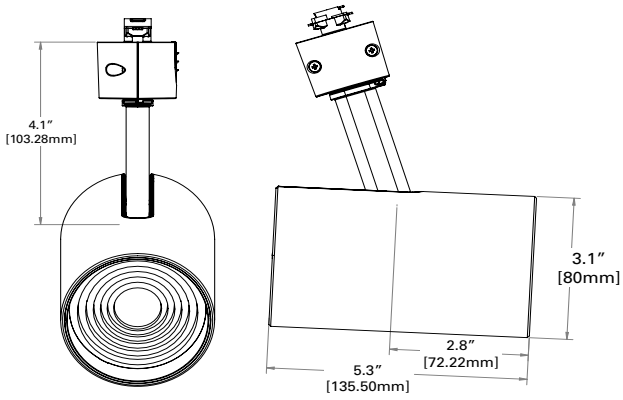
Product Certification

NSF/ANSI 2

Top Product Features

- 3" Aperture, 5" Length in a compact mid-stem mount cylinder
- 1600 lumen & 2500 lumen
- 90 CRI - 2700K, 3000K, 3500K, 4000K
- XBA - Xact Beam Advanced – High Performance Optics: 12 Deg, 18 Deg, 24 Deg, 30 Deg, 36 Deg
- Matte White, Matte Black, Matte Metallic Silver finishes
- Halo Power Trac, Lazer, Halo HTEK, Juno, & Lightolier connectors

Dimensional Details



The above drawing represents the 809 with Halo L adapter. Other adapter options may be different in size and appearance.
*Note fixture to only be attached to horizontally installed track systems. Refer to ordering information for details.

HALO 809

Order Information

Icon Key: Δ Configurable Product

SAMPLE ORDER NUMBER: **L80916SP930P**

Track | Series | Output | Optic | CRI & CCT | Finish | Voltage

Track	Size	Output	Optic	CRI & CCT	Finish	Voltage
L=Halo Power Trac & Lazer Track ~~**L2G**=Halo TEK/HTEK~~ **LJ**=Juno Track [1] **LL**=Lightolier [2]	**809**	**16**=1600 lumen **25**=2500 lumen	**SP**=12 Degree Spot **WS**=18 Degree Wide Spot **NF**=24 Degree Narrow Flood ~~**FL**=30 Degree Flood~~ **WF**=36 Degree Wide Flood	**927**=2700K / 90 CRI **930**=3000K / 90 CRI **935**=3500K / 90 CRI **940**=4000K / 90 CRI	**MB**=Matte Black ~~**P**=Matte White~~ **SL**=Matte Metallic Silver	**Blank**=120V ~~**277**=277V~~ [3]
Notes (1) Juno® T single circuit and 2-circuit track contact. Juno® is a registered trademark of Juno® Lighting. (2) Lightolier® Lyfespan 6000 single circuit and 2 circuit track contact. Lightolier® is a registered trademark of Philips Lighting.	**Notes**	**Notes**	**Notes**	**Notes**	**Notes**	**Notes** (3) 277V is only available for Halo HTEK track with non-dim operation. L2G track connector must be used

Accessories

Accessories	
809COMBD=3" Barndoor Shutters, Matte Black	**Monopoint Canopy Adapter** **L973PN** = Halo Power Trac square canopy adapter, matte white **L973MB** = Halo Power Trac square canopy adapter, matte black **LZR209P** = Lazer Track round monopoint, matte white **LZR209MB** = Lazer Track round monopoint, matte black
Notes	**Notes**

Product Specifications

Aiming
- Full aiming capable.
- Can pivot 100° vertically and 340°horizontally without adjusting track position

Design
- All-metal smooth cylindrical track body Compact mid-stem mount
- Available in matte white, matte black, matte metallic silver finishes

Dimming
- Compatible with select leading or trailing edge phase cut dimmers at 120V only, for continuous dimming 5%-100%*
- Dimming only available with 120V configurations
- 277V option available only with Halo HTEK 277V track (L2G track connector must be used)

Compliance
- cULus Listed and UL Certified
- DLC Standard and DLC Premium**
- NSF/ANSI 2 (NSF non-food zone compliant)
- Contains no mercury or lead and RoHS compliant
- May be used for State of California Title 24 residential compliance per JA8 High Efficacy Lighting certification standards; and Title 24 Non-residential code as a dimmable LED luminaire. Refer to the CEC appliance efficiency database.
- EMI/RFI emissions per FCC 47CFR Part 15 Class B consumer limits at 120V; Class A at 277V
- Photometric testing in accordance with IES LM-79-08
- Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11

Optics & Light Engine
- XBA - Xact Beam Advanced High Performance Optics
  - Spot, wide spot, narrow flood, flood, and wide flood
  - 12 Deg, 18 Deg, 24 Deg, 30 Deg, 36 Deg
  - Lens optics provide a high degree of collimation along the optical axis
  - Low brightness in the 809 cylinder aperture limits spill light loss on cylinder wall
- Chip-on-board LED combines with XBA optic to deliver high center beam candlepower
- Matte Black Barndoor Shutters provide additional cut off when used
- Lumen maintenance L70 at 50,000 hours

Electrical
- 120V/277V; Dimming at 120V only
- 277V electronic driver only available for Halo HTEK track with non-dim operation. L2G track connector must be used
- THD < 20%

Energy Data

Lumen Output	Power	Input Current
1600 lm	14.03 W	340 mA
2500 lm	22.9 W	560 mA

Warranty
- Five year limited warranty
- Consult website for details cooperlighting.com/legal

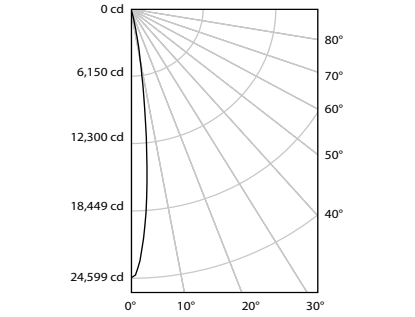
*Consult 809 Dimming Guide for details.
**Refer to www.designlights.org Qualified Products List under Family Models for details.

HALO 809

Photometric Data

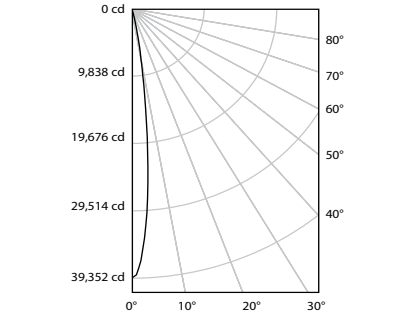
809 1600 lm, Spot, 3000K

L80916SP930MB		
Wattage	Lumens	LPW
14	1632	116.5
Beam Angle	Field Angle	CBCP*
13	25	24599



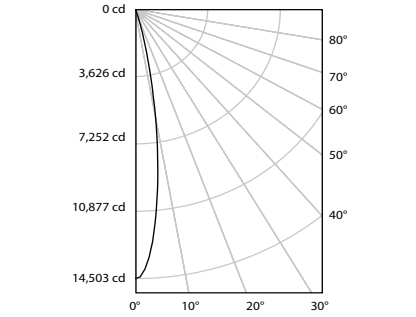
809 2500 lm, Spot, 3000K

L80925SP930MB		
Wattage	Lumens	LPW
22	2610	118.6
Beam Angle	Field Angle	CBCP*
13	25	39352



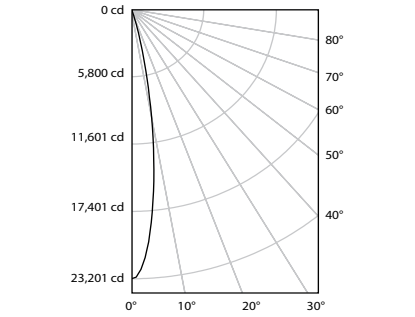
809 1600 lm, Wide Spot, 3000K

L80916WS930MB		
Wattage	Lumens	LPW
14	1608	114.8
Beam Angle	Field Angle	CBCP*
18	32	14503



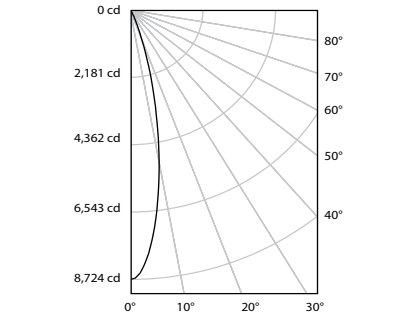
809 2500 lm, Wide Spot, 3000K

L80925WS930MB		
Wattage	Lumens	LPW
22	2572	116.9
Beam Angle	Field Angle	CBCP*
18	32	23201



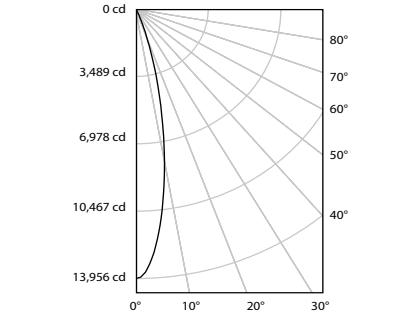
809 1600 lm, Narrow Flood, 3000K

L80916NF930MB		
Wattage	Lumens	LPW
14	1607	114.8
Beam Angle	Field Angle	CBCP*
22	42	8724



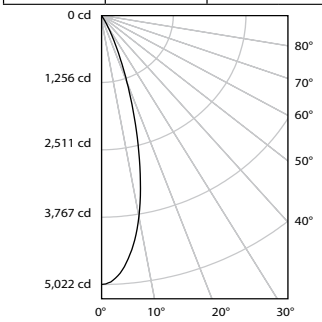
809 2500 lm, Narrow Flood, 3000K

L80925NF930MB		
Wattage	Lumens	LPW
22	2570	116.8
Beam Angle	Field Angle	CBCP*
22	42	13956



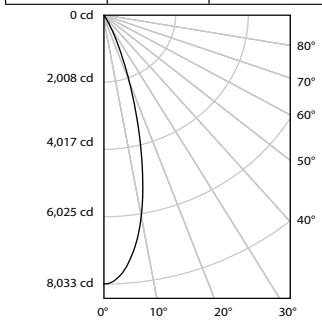
809 1600 lm, Flood, 3000K

L80916FL930MB			
Wattage		Lumens	LPW
14		1504	107.4
Beam Angle	Field Angle	CBCP*	
30	52	5022	



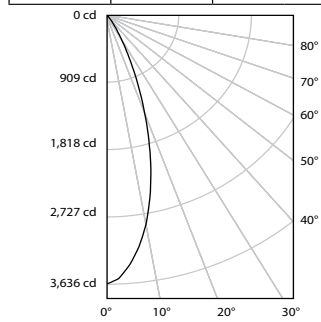
809 2500 lm, Flood, 3000K

L80925FL930MB			
Wattage		Lumens	LPW
22		2406	109.4
Beam Angle	Field Angle	CBCP*	
30	52	8033	



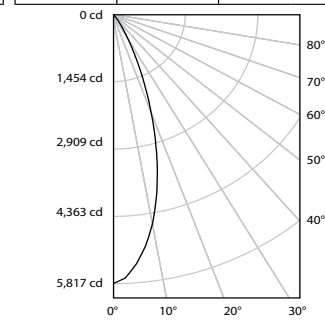
809 1600 lm, Wide Flood, 3000K

L80916WF930MB			
Wattage		Lumens	LPW
14		1452	103.7
Beam Angle	Field Angle	CBCP*	
35	62	3636	



809 2500 lm, Wide Flood, 3000K

L80925WF930MB			
Wattage		Lumens	LPW
22		2323	105.6
Beam Angle	Field Angle	CBCP*	
35	62	5817	



*CBCP = Center Beam Candle Power

COOPER Lighting Solutions

Cooper Lighting Solutions
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com

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Specifications and dimensions subject to change without notice.

Job Name : JACKSON COUNTY AIRPORT - TERMINAL AREA DEVELOPMENT
Manufacturer : MCGRAW ED
Model Number : ISS-SA1A-740-4-SL4-BZ-CBP

Type : G

Project		Catalog #		Type	
Prepared by		Notes		Date	

McGraw-Edison

Impact Elite LED

Wall Mount Luminaire

Interactive Menu

- Ordering Information page 2
- Product Specifications page 2
- Energy and Performance Data page 3
- Control Options page 4

Product Certifications

ISO SYSTEMS CERTIFIED · IP66 · UL CERTIFIED SAFETY · ida DARK SKY APPROVED [1] · 5 YEAR LIMITED WARRANTY

Quick Facts

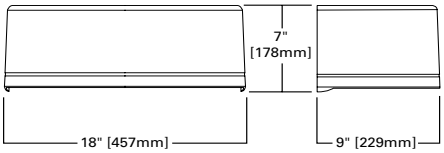
- 15 Optical Distributions
- Lumen packages range from 2,459 to 11,480 (20W - 95W)
- Efficacy up to 149 lumens per watt

Connected Systems

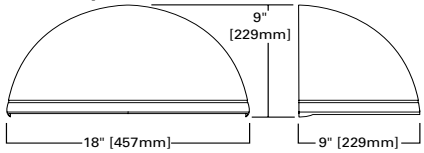
- WaveLinx PRO Wireless
- WaveLinx LITE Wireless
- Enlighted

Dimensional Details

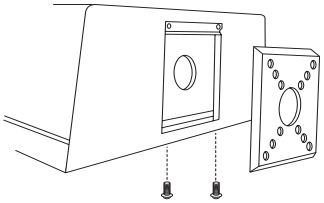
Cylinder



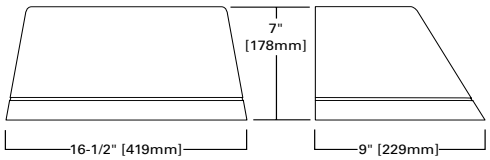
Quarter Sphere



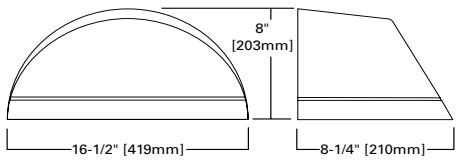
Hook -n- Lock



Trapezoid



Wedge



NOTES:
1. IDA Certified for 3000K CCT and warmer only.

McGraw-Edison — Impact Elite LED

Ordering Information

SAMPLE NUMBER: **ISC-SA1F-740-U-T3-BZ**

Product Family [1]	Light Engine: Configuration	Light Engine: Drive Current	Color Temperature	Voltage	Distribution	Finish
ISC=Impact Elite LED Small Cylinder **ISS**=Impact Elite LED Small Quarter Sphere **IST**=Impact Elite LED Small Trapezoid **ISW**=Impact Elite LED Small Wedge **BAA-ISC**=Impact Elite LED Small Cylinder Buy American Act Compliant [23] **TAA-ISC**=Impact Elite LED Small Cylinder Trade Agreements Act Compliant [23] **BAA-ISS**=Impact Elite LED Small Quarter Sphere Buy American Act Compliant [23] **TAA-ISS**=Impact Elite LED Small Quarter Sphere Trade Agreements Act Compliant [23] **BAA-IST**=Impact Elite LED Small Trapezoid Buy American Act Compliant [23] **TAA-IST**=Impact Elite LED Small Trapezoid Trade Agreements Act Compliant [23] **BAA-ISW**=Impact Elite LED Small Wedge Buy American Act Compliant [23] **TAA-ISW**=Impact Elite LED Small Wedge Trade Agreements Act Compliant [23]	**SA1**=1 Square (16 LED) **PA1**=1 Panel (24 LED) [26]	**A**=350mA **B**=450mA **C**=600mA **D**=800mA **E**=1000mA **F**=1200mA [2]	**722**=70CRI, 2200K **727**=70CRI, 2700K **730**=70CRI, 3000K **735**=70CRI, 3500K **740**=70CRI, 4000K **750**=70CRI, 5000K **760**=70CRI, 6000K **827**=80CRI, 2700K **830**=80CRI, 3000K **AMB**=Amber, 590nm [3, 4]	**U**=120-277V **1**=120V **2**=208V **3**=240V **4**=277V **5**=480V [5] **9**=347V	**SA1 Optics** **T2**=Type II **T3**=Type III **T4FT**=Type IV Forward Throw **T4W**=Type IV Wide **SL2**=Type II w/Spill Control **SL3**=Type III w/Spill Control **SL4**=Type IV w/Spill Control **SLL**=90° Spill Light Eliminator Left **SLR**=90° Spill Light Eliminator Right **RW**=Rectangular Wide Type I **PA1 Optics** **5WQ**=Type V Square Wide **T2R**=Type II **T2U**=Type II Urban **T3**=Type III **T4W**=Type IV Wide	**AP**=Grey **BZ**=Bronze **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White **RALXX**=Custom Color [27]

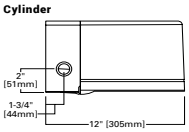
Options (Add as Suffix)	Controls and Systems Options (Add as Suffix)	Accessories (Order Separately)[24]
X=Driver Surge Protection (6kV) Only [17] ~~**20K**=Series 20kV UL 1449 Surge Protective Device~~ **CBP**=Battery Pack with Back Box, Cold Weather Rated [14, 15] ~~**CBP-CEC**=Battery Pack with Back Box, Cold~~ Weather Rated, CEC compliant [14] **HSS**=Factory Installed House Side Shield [16] **ULG**=Uplight Glow [6, 7, 25] **LCF**=Light Square Trim Plate Painted to Match Housing **TR**=Tamper Resistant Hardware **CC**=Coastal Construction [21] **HA**=50°C High Ambient [8] **AHD145**=After Hours Dim, 5 Hours, 50% [9] **AHD245**=After Hours Dim, 6 Hours, 50% [9] **AHD255**=After Hours Dim, 7 Hours, 50% [9] **AHD355**=After Hours Dim, 8 Hours, 50% [9]	**BPC**=Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Voltage) **PR7**=NEMA 7-PIN Twistlock Photocontrol Receptacle [2, 6, 7] **SPB1**=Dimming Occupancy Sensor with Bluetooth Interface, <8' Mounting [12, 22] **SPB2**=Dimming Occupancy Sensor with Bluetooth Interface, 8'-20' Mounting [12, 22] **SPB4**=Dimming Occupancy Sensor with Bluetooth Interface, 21'-40' Mounting [12, 22] **MS/DIM-LXX**=Motion Sensor for Dimming Operation [7, 10, 11, 12] **LWR-LW**=Enlighted Wireless Sensor, Wide Lens for 8'-16' Mounting Height [6, 12, 13] **LWR-LN**=Enlighted Wireless Sensor, Narrow Lens for 16'-40' Mounting Height [6, 12, 13] **WLS2XX**=WaveLinx LITE, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting [7,18,20] **WLS4XX**=WaveLinx LITE, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting [7,18,20] **WPS2XX**=WaveLinx PRO, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting [7,18,20] **WPS4XX**=WaveLinx PRO, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting [7,18,20]	**MA1253**=10kV Circuit Module Replacement **MA1254-XX**=Thruway Back Box - Impact Elite Trapezoid **MA1255-XX**=Thruway Back Box - Impact Elite Cylinder **MA1256-XX**=Thruway Back Box - Impact Elite Quarter Sphere **MA1257-XX**=Thruway Back Box - Impact Elite Wedge **FSIR-100**=Wireless Configuration Tool for Occupancy Sensor **WOLC-7P-10A**=WaveLinx Outdoor Control Module (7-pin) [7, 19]

NOTES:

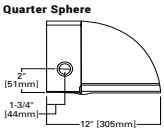
1. DesignLight Consortium® Qualified. Refer to www.designlights.org, Qualified Products List under Family Models for details.
2. Not available with ULG option.
3. Choose Drive Current "A" for Amber 590nm, which is provided at 500mA only.
4. Narrow-band 590nm +/- 5nm for wildlife and observatory use. Exact luminaire wattage available in IES files. Available with 5WQ, 5MQ, SL2, SL3 and SL4 distributions. Can be used with HSS option.
5. 480V not to be used with ungrounded or impedance grounded systems.
6. Not available with ISS or ISW.
7. Cannot be used in conjunction with other control options.
8. Suitable for 50°C provided no options other than motion sensor are included and driver output set to 1000mA or less.
9. Requires the use of photocontrol. Not available with 350mA drive current. See After Hours Dim supplemental guide for additional information.
10. Replace LXX with L08 (<8' mounting), L20 (8'-20' mounting) or L40W (21'-40' mounting.)
11. The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Cooper Lighting Solutions for more information.
12. Includes integral photocell.
13. Enlighted wireless sensors are factory installed and require network components in appropriate quantities.
14. Battery pack operating temperature of -20C to +40C. Operates downlight for 90-minutes.
15. Must specify 120V or 277V.
16. Not for use with 5NQ, 5MQ, 5WQ or RW optics. A black trim plate is used when HSS is selected.
17. Removes additional surge module.
18. Replace XX with sensor color (WH, BZ, or BK).
19. Requires PR7.
20. For WaveLinx applications, WAC Gateway required to enable field-configurability: Order WAC-PoE and WPOE-120 (10V to PoE injector) power supply if needed. Gateway not required for WaveLinx Lite Commercial (LC) applications.
21. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654.
22. Smart device with mobile application required to change system defaults. See controls section for details.
23. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information Components shipped separately may be separately analyzed under domestic preference requirements.
24. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
25. Only available in 3000K, 4000K or 5000K CCT.
26. Not available with motion sensor controls, including SPB, MS/DIM, LWR or WaveLinx.
27. Specify RAL number for Custom Color. Custom color matching available upon request. Consult your lighting representative at Cooper Lighting Solutions for more information.

Thruway Back Box

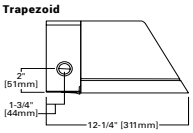
Cylinder



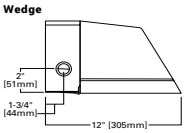
Quarter Sphere



Trapezoid



Wedge



Product Specifications

Construction

- Heavy-wall, die-cast aluminum housing and removable hinged door frame
- Optional tamper-resistant fasteners offer vandal resistant access
- IK10 impact rated

Optics

- High-efficiency injection-molded AccuLED optics technology
- 15 optical distributions
- IDA Certified (3000K CCT and warmer only)

Electrical

- Standard with 0-10V dimming
- Standard with Cooper Lighting Solutions proprietary circuit module designed to withstand 10kV of transient line surge
- Suitable for operation in -40°C to 40°C ambient environments. Optional 50°C high ambient (HA) configuration
- Suitable for operation in -40°C to 40°C ambient environments. Optional 50°C high ambient (HA) configuration.

Mounting

- Utilizes "Hook-N-Lock" mounting mechanism, securing to a gasketed and zinc plated mounting attachment
- Two black oxide coated Allen set screws concealed but accessible from below

Finish

- Super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness
- RAL and custom color matches available
- Coastal Construction (CC) option available

Warranty

- Five year limited warranty, consult website for details. www.cooperlighting.com/legal

McGraw-Edison — Impact Elite LED

Energy and Performance Data

View Impact Elite IES files

1 Light Square (SA)		Cylinder (ISC) and Quarter Sphere (ISS)						Trapezoid (IST) and Wedge (ISW)					
Drive Current (mA)		350	450	600	800	1000	1200	350	450	600	800	1000	1200
Power (Watts)	120 - 277V	20.1	25.4	34.2	45.2	58.2	66.0	20.1	25.4	34.2	45.2	58.2	66.0
Current (A)	120	0.17	0.22	0.29	0.38	0.48	0.56	0.17	0.22	0.29	0.38	0.48	0.56
	277V	0.09	0.10	0.13	0.17	0.21	0.25	0.09	0.10	0.13	0.17	0.21	0.25
Power (Watts)	347V or 480V	23.3	28.7	36.6	49.5	60.7	70.1	23.3	28.7	36.6	49.5	60.7	70.1
Current (A)	347V	0.07	0.08	0.11	0.15	0.18	0.21	0.07	0.08	0.11	0.15	0.18	0.21
	480V	0.05	0.06	0.08	0.11	0.13	0.16	0.05	0.06	0.08	0.11	0.13	0.16
Optics (4000K, 70 CRI)													
T2	Lumens	2,802	3,500	4,618	5,778	7,231	7,895	2,772	3,475	4,576	5,733	7,175	7,834
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2
	Lumens Per Watt	139	138	135	128	124	120	138	137	134	127	123	119
T3	Lumens	2,778	3,470	4,578	5,729	7,169	7,827	2,731	3,424	4,508	5,648	7,069	7,718
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2
	Lumens Per Watt	138	137	134	127	123	119	136	135	132	125	121	117
T4FT	Lumens	2,751	3,436	4,534	5,673	7,099	7,751	2,762	3,462	4,559	5,712	7,149	7,805
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2
	Lumens Per Watt	137	135	133	126	122	117	137	136	133	126	123	118
T4W	Lumens	2,780	3,473	4,582	5,733	7,174	7,833	2,739	3,434	4,522	5,665	7,089	7,740
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2
	Lumens Per Watt	138	137	134	127	123	119	136	135	132	125	122	117
SL2	Lumens	2,763	3,451	4,554	5,698	7,130	7,785	2,730	3,422	4,507	5,646	7,066	7,715
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G2	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G2
	Lumens Per Watt	137	136	133	126	123	118	136	135	132	125	121	117
SL3	Lumens	2,745	3,429	4,524	5,660	7,084	7,734	2,709	3,396	4,472	5,603	7,012	7,655
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2
	Lumens Per Watt	137	135	132	125	122	117	135	134	131	124	120	116
SL4	Lumens	2,680	3,348	4,417	5,526	6,916	7,551	2,666	3,342	4,401	5,514	6,900	7,534
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2
	Lumens Per Watt	133	132	129	122	119	114	133	132	129	122	119	114
SLL	Lumens	2,447	3,057	4,033	5,046	6,315	6,895	2,459	3,083	4,059	5,086	6,365	6,949
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2
	Lumens Per Watt	122	120	118	112	109	104	122	121	119	113	109	105
RW	Lumens	2,883	3,601	4,751	5,945	7,440	8,123	2,818	3,533	4,652	5,828	7,294	7,964
	BUG Rating	B2-U0-G1	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B2-U0-G1	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1
	Lumens Per Watt	143	142	139	132	128	123	140	139	136	129	125	121

McGraw-Edison — Impact Elite LED

1 Light Panel (PA)		Cylinder (ISC) and Quarter Sphere (ISS)						Trapezoid (IST) and Wedge (ISW)					
Drive Current (mA)		350	450	600	800	1000	1200	350	450	600	800	1000	1200
Power (Watts)	120 - 277V	28.9	36.4	48.9	63.0	82.4	94.4	28.9	36.4	48.9	63.0	82.4	94.4
Current (A)	120V	0.24	0.31	0.41	0.53	0.69	0.79	0.24	0.31	0.41	0.53	0.69	0.79
	277V	0.11	0.14	0.18	0.23	0.30	0.34	0.11	0.14	0.18	0.23	0.30	0.34
Power (Watts)	347V or 480V	30.5	37.7	49.0	63.9	83.2	95.0	30.5	37.7	49.0	63.9	83.2	95.0
Current (A)	347V OR 480V	0.09	0.11	0.14	0.19	0.24	0.28	0.09	0.11	0.14	0.19	0.24	0.28
	480V	0.07	0.08	0.11	0.14	0.18	0.20	0.07	0.08	0.11	0.14	0.18	0.20
Optics (4000K, 70 CRI)													
T2R	Lumens	4,296	5,369	7,010	8,733	10,721	11,750	4,154	5,211	6,738	8,386	10,329	11,338
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2
	Lumens Per Watt	149	147	143	139	130	124	144	143	138	133	125	120
T2U	Lumens	4,241	5,300	6,920	8,621	10,584	11,600	4,123	5,172	6,688	8,323	10,252	11,253
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3
	Lumens Per Watt	147	146	142	137	128	123	143	142	137	132	124	119
T3	Lumens	4,193	5,240	6,842	8,524	10,464	11,468	4,079	5,117	6,616	8,235	10,143	11,133
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3
	Lumens Per Watt	145	144	140	135	127	121	141	141	135	131	123	118
T4W	Lumens	4,165	5,205	6,796	8,467	10,394	11,392	4,083	5,122	6,623	8,243	10,152	11,144
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3
	Lumens Per Watt	144	143	139	134	126	121	141	141	135	131	123	118
5WQ	Lumens	4,255	5,318	6,943	8,650	10,619	11,638	4,206	5,276	6,822	8,491	10,458	11,480
	BUG Rating	B3-U0-G1	B3-U0-G2	B3-U0-G2	B3-U0-G2	B4-U0-G3	B4-U0-G3	B3-U0-G1	B3-U0-G2	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G3
	Lumens per Watt	147	146	142	137	129	123	146	145	140	135	127	122

Lumen Maintenance (TM-21)

Drive Current	Ambient Temperature	25,000 hours*	50,000 hours*	60,000 hours*	100,000 hours**	Theoretical L70 hours**
Up to 1A	25°C	99.4%	99.0%	98.9%	98.3%	> 2.4M
	40°C	98.7%	98.3%	98.1%	97.4%	> 1.9M
	50°C	98.2%	97.2%	96.8%	95.2%	> 851,000
1.2A	25°C	99.4%	99.0%	98.9%	98.3%	> 2.4M
	40°C	98.5%	97.9%	97.7%	96.7%	> 1.3M

* Supported by IES TM-21 standards
** Theoretical values represent estimations commonly used; however, refer to the IES position on LED Product Lifetime Prediction, IES PS-10-18, explaining proper use of IES TM-21 and LM-80.

Lumen Multiplier

Ambient Temperature	Lumen Multiplier
10ºC	1.02
15ºC	1.01
25ºC	1.00
40ºC	0.99

Control Options

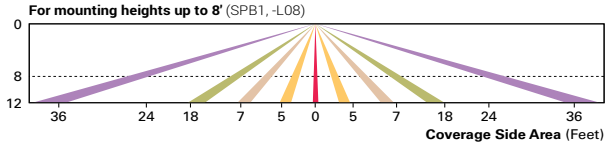
0-10V
This fixture is offered standard with 0-10V dimming driver(s).

Photocontrol (BPC and PR7)
Optional button-type photocontrol provides a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels.

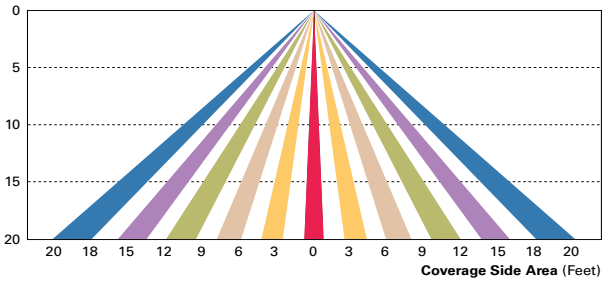
After Hours Dim (AHD)
This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a "dusk-to-dawn" period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

Dimming Occupancy Sensor (SPB, MS/DIM-LXX)
These sensors are factory installed in the luminaire housing. When the SPB or MS/DIM sensor options are selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes. SPB motion sensors require the Sensor Configuration mobile application by Wattstopper to change factory default dimming level, time delay, sensitivity and other parameters. Available for iOS and Android devices. The SPB sensor is factory preset to dim down to approximately 10% power with a time delay of five minutes. The MS/DIM occupancy sensors require the FSIR-100 programming tool to adjust factory defaults.

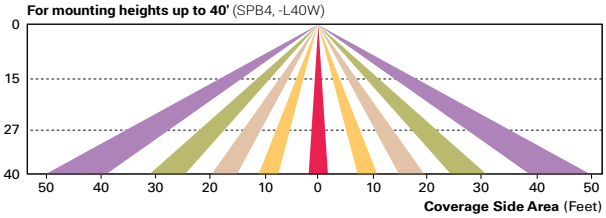
For mounting heights up to 8' (SPB1, -L08)



For mounting heights up to 20' (SPB2, -L20)

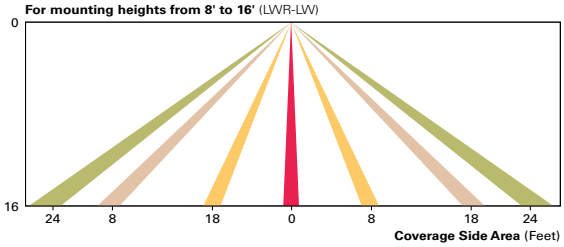


For mounting heights up to 40' (SPB4, -L40W)

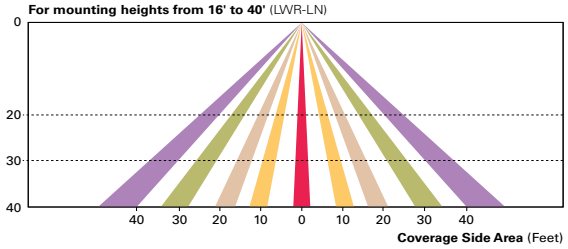


Enlighted Wireless Control and Monitoring System (LWR-LW and LWR-LN)
Enlighted is a connected lighting solution that combines a broad selection of energy-efficient LED luminaires with a powerful integrated wireless sensor system. The sensor controls the lighting system in compliance with the latest energy codes and collects valuable data about building performance and use. Software applications turn the granular data into information through energy dashboards and specialized apps that make it simple and help optimize the use of building resources, beyond lighting.

For mounting heights from 8' to 16' (LWR-LW)

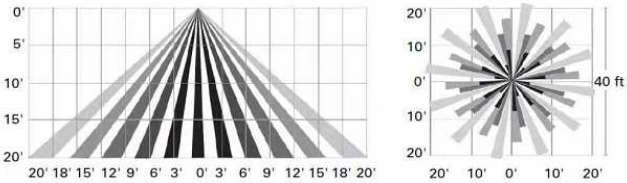


For mounting heights from 16' to 40' (LWR-LN)

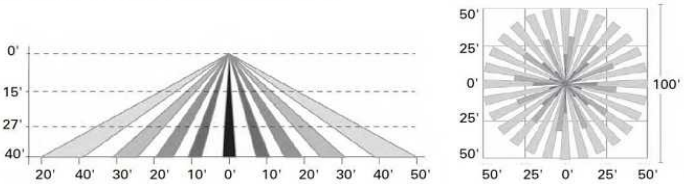


WaveLinx Wireless Control and Monitoring System
Operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. WaveLinx Pro (WPS2 to WPS4) outdoor wireless sensors offer passive infrared (PIR) occupancy and photocell for closed loop daylight harvesting, and can be factory or field-installed. Sensors are factory preset to dim down to 50% after 15 minutes of no motion detected. Two lens options are available for mounting heights of 7' to 40'. Use the WaveLinx mobile application for set-up and configuration. At least one Wireless Area Controller (WAC) is required for full functionality and remote communication (including adjustment of any factory pre-sets). WaveLinx Lite (WLS4 and WLS2) outdoor wireless sensors provide PIR occupancy and photocell for closed loop daylight harvesting, and can be factory or field-installed. Sensors are factory preset to dim down to 50% after 15 minutes of no motion detected. Two lens options are available for mounting heights of 7' to 40'. Use the WaveLinx Lite mobile application for set-up and configuration. WAC not required. WaveLinx Outdoor Control Module (WOLC-7P-10A) accessory provides a photocontrol enabling astronomic or time-based schedules to provide ON, OFF and dimming control of fixtures utilizing a 7-PIN receptacle. The out-of-box functionality is ON at dusk and OFF at dawn.

For mounting heights up to 15' (WPS2 and WLS2)



For mounting heights up to 40' (WPS4 and WLS4)



Cooper Lighting Solutions
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com

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Specifications and dimensions subject to change without notice.

Job Name : JACKSON COUNTY AIRPORT - TERMINAL AREA DEVELOPMENT
Manufacturer : MCGRAW ED
Model Number : ISS-SA1A-740-4-SL4-BZ-CBP

Type : GE

Project		Catalog #		Type	
Prepared by		Notes		Date	

McGraw-Edison

Impact Elite LED

Wall Mount Luminaire

Interactive Menu

- Ordering Information page 2
- Product Specifications page 2
- Energy and Performance Data page 3
- Control Options page 4

Product Certifications

ISO SYSTEMS CERTIFIED · IP66 · UL CERTIFIED SAFETY · ida DARK SKY APPROVED [1] · 5 YEAR LIMITED WARRANTY

Quick Facts

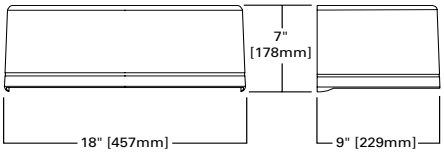
- 15 Optical Distributions
- Lumen packages range from 2,459 to 11,480 (20W - 95W)
- Efficacy up to 149 lumens per watt

Connected Systems

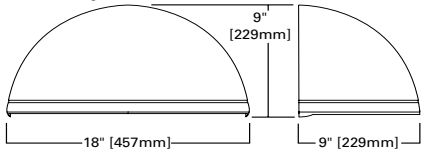
- WaveLinx PRO Wireless
- WaveLinx LITE Wireless
- Enlighted

Dimensional Details

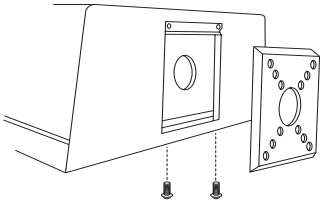
Cylinder



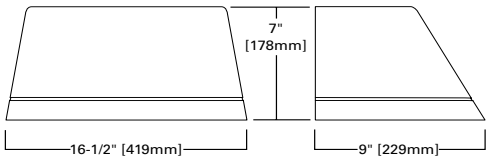
Quarter Sphere



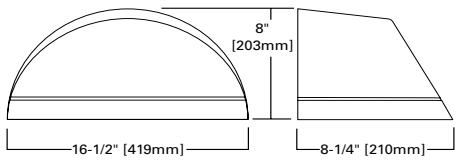
Hook -n- Lock



Trapezoid



Wedge



NOTES:
1. IDA Certified for 3000K CCT and warmer only.

McGraw-Edison — Impact Elite LED

Ordering Information

SAMPLE NUMBER: **ISC-SA1F-740-U-T3-BZ**

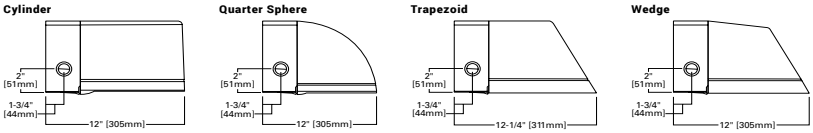
Product Family [1]	Light Engine: Configuration	Light Engine: Drive Current	Color Temperature	Voltage	Distribution	Finish
ISC=Impact Elite LED Small Cylinder **ISS**=Impact Elite LED Small Quarter Sphere **IST**=Impact Elite LED Small Trapezoid **ISW**=Impact Elite LED Small Wedge **BAA-ISC**=Impact Elite LED Small Cylinder Buy American Act Compliant [23] **TAA-ISC**=Impact Elite LED Small Cylinder Trade Agreements Act Compliant [23] **BAA-ISS**=Impact Elite LED Small Quarter Sphere Buy American Act Compliant [23] **TAA-ISS**=Impact Elite LED Small Quarter Sphere Trade Agreements Act Compliant [23] **BAA-IST**=Impact Elite LED Small Trapezoid Buy American Act Compliant [23] **TAA-IST**=Impact Elite LED Small Trapezoid Trade Agreements Act Compliant [23] **BAA-ISW**=Impact Elite LED Small Wedge Buy American Act Compliant [23] **TAA-ISW**=Impact Elite LED Small Wedge Trade Agreements Act Compliant [23]	**SA1**=1 Square (16 LED) **PA1**=1 Panel (24 LED) [26]	**A**=350mA **B**=450mA **C**=600mA **D**=800mA **E**=1000mA **F**=1200mA [2]	**722**=70CRI, 2200K **727**=70CRI, 2700K **730**=70CRI, 3000K **735**=70CRI, 3500K **740**=70CRI, 4000K **750**=70CRI, 5000K **760**=70CRI, 6000K **827**=80CRI, 2700K **830**=80CRI, 3000K **AMB**=Amber, 590nm [3, 4]	**U**=120-277V **1**=120V **2**=208V **3**=240V **4**=277V **5**=480V [5] **9**=347V	**SA1 Optics** **T2**=Type II **T3**=Type III **T4FT**=Type IV Forward Throw **T4W**=Type IV Wide **SL2**=Type II w/Spill Control **SL3**=Type III w/Spill Control **SL4**=Type IV w/Spill Control **SLL**=90° Spill Light Eliminator Left **SLR**=90° Spill Light Eliminator Right **RW**=Rectangular Wide Type I **PA1 Optics** **5WQ**=Type V Square Wide **T2R**=Type II **T2U**=Type II Urban **T3**=Type III **T4W**=Type IV Wide	**AP**=Grey **BZ**=Bronze **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White **RALXX**=Custom Color [27]

Options (Add as Suffix)	Controls and Systems Options (Add as Suffix)	Accessories (Order Separately)[24]
X=Driver Surge Protection (6kV) Only [17] ~~**20K**=Series 20kV UL 1449 Surge Protective Device~~ **CBP**=Battery Pack with Back Box, Cold Weather Rated [14, 15] ~~**CBP-CEC**=Battery Pack with Back Box, Cold~~ Weather Rated, CEC compliant [14] **HSS**=Factory Installed House Side Shield [16] **ULG**=Uplight Glow [6, 7, 25] **LCF**=Light Square Trim Plate Painted to Match Housing **TR**=Tamper Resistant Hardware **CC**=Coastal Construction [21] **HA**=50°C High Ambient [8] **AHD145**=After Hours Dim, 5 Hours, 50% [9] **AHD245**=After Hours Dim, 6 Hours, 50% [9] **AHD255**=After Hours Dim, 7 Hours, 50% [9] **AHD355**=After Hours Dim, 8 Hours, 50% [9]	**BPC**=Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Voltage) **PR7**=NEMA 7-PIN Twistlock Photocontrol Receptacle [2, 6, 7] **SPB1**=Dimming Occupancy Sensor with Bluetooth Interface, <8' Mounting [12, 22] **SPB2**=Dimming Occupancy Sensor with Bluetooth Interface, 8'-20' Mounting [12, 22] **SPB4**=Dimming Occupancy Sensor with Bluetooth Interface, 21'-40' Mounting [12, 22] **MS/DIM-LXX**=Motion Sensor for Dimming Operation [7, 10, 11, 12] **LWR-LW**=Enlighted Wireless Sensor, Wide Lens for 8'-16' Mounting Height [6, 12, 13] **LWR-LN**=Enlighted Wireless Sensor, Narrow Lens for 16'-40' Mounting Height [6, 12, 13] **WLS2XX**=WaveLinx LITE, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting [7,18,20] **WLS4XX**=WaveLinx LITE, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting [7,18,20] **WPS2XX**=WaveLinx PRO, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting [7,18,20] **WPS4XX**=WaveLinx PRO, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting [7,18,20]	**MA1253**=10kV Circuit Module Replacement **MA1254-XX**=Thruway Back Box - Impact Elite Trapezoid **MA1255-XX**=Thruway Back Box - Impact Elite Cylinder **MA1256-XX**=Thruway Back Box - Impact Elite Quarter Sphere **MA1257-XX**=Thruway Back Box - Impact Elite Wedge **FSIR-100**=Wireless Configuration Tool for Occupancy Sensor **WOLC-7P-10A**=WaveLinx Outdoor Control Module (7-pin) [7, 19]

NOTES:

1. DesignLight Consortium® Qualified. Refer to www.designlights.org, Qualified Products List under Family Models for details.
2. Not available with ULG option.
3. Choose Drive Current "A" for Amber 590nm, which is provided at 500mA only.
4. Narrow-band 590nm +/- 5nm for wildlife and observatory use. Exact luminaire wattage available in IES files. Available with 5WQ, 5MQ, SL2, SL3 and SL4 distributions. Can be used with HSS option.
5. 480V not to be used with ungrounded or impedance grounded systems.
6. Not available with ISS or ISW.
7. Cannot be used in conjunction with other control options.
8. Suitable for 50°C provided no options other than motion sensor are included and driver output set to 1000mA or less.
9. Requires the use of photocontrol. Not available with 350mA drive current. See After Hours Dim supplemental guide for additional information.
10. Replace LXX with L08 (<8' mounting), L20 (8'-20' mounting) or L40W (21'-40' mounting.)
11. The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Cooper Lighting Solutions for more information.
12. Includes integral photocell.
13. Enlighted wireless sensors are factory installed and require network components in appropriate quantities.
14. Battery pack operating temperature of -20C to +40C. Operates downlight for 90-minutes.
15. Must specify 120V or 277V.
16. Not for use with 5NQ, 5MQ, 5WQ or RW optics. A black trim plate is used when HSS is selected.
17. Removes additional surge module.
18. Replace XX with sensor color (WH, BZ, or BK).
19. Requires PR7.
20. For WaveLinx applications, WAC Gateway required to enable field-configurability: Order WAC-PoE and WPOE-120 (10V to PoE injector) power supply if needed. Gateway not required for WaveLinx Lite Commercial (LC) applications.
21. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654.
22. Smart device with mobile application required to change system defaults. See controls section for details.
23. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information Components shipped separately may be separately analyzed under domestic preference requirements.
24. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
25. Only available in 3000K, 4000K or 5000K CCT.
26. Not available with motion sensor controls, including SPB, MS/DIM, LWR or WaveLinx.
27. Specify RAL number for Custom Color. Custom color matching available upon request. Consult your lighting representative at Cooper Lighting Solutions for more information.

Thruway Back Box



Product Specifications

Construction

- Heavy-wall, die-cast aluminum housing and removable hinged door frame
- Optional tamper-resistant fasteners offer vandal resistant access
- IK10 impact rated

Optics

- High-efficiency injection-molded AccuLED optics technology
- 15 optical distributions
- IDA Certified (3000K CCT and warmer only)

Electrical

- Standard with 0-10V dimming
- Standard with Cooper Lighting Solutions proprietary circuit module designed to withstand 10kV of transient line surge
- Suitable for operation in -40°C to 40°C ambient environments. Optional 50°C high ambient (HA) configuration
- Suitable for operation in -40°C to 40°C ambient environments. Optional 50°C high ambient (HA) configuration.

Mounting

- Utilizes "Hook-N-Lock" mounting mechanism, securing to a gasketed and zinc plated mounting attachment
- Two black oxide coated Allen set screws concealed but accessible from below

Finish

- Super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness
- RAL and custom color matches available
- Coastal Construction (CC) option available

Warranty

- Five year limited warranty, consult website for details. www.cooperlighting.com/legal

McGraw-Edison — Impact Elite LED

Energy and Performance Data

View Impact Elite IES files

1 Light Square (SA)		Cylinder (ISC) and Quarter Sphere (ISS)						Trapezoid (IST) and Wedge (ISW)					
Drive Current (mA)		350	450	600	800	1000	1200	350	450	600	800	1000	1200
Power (Watts)	120 - 277V	20.1	25.4	34.2	45.2	58.2	66.0	20.1	25.4	34.2	45.2	58.2	66.0
Current (A)	120	0.17	0.22	0.29	0.38	0.48	0.56	0.17	0.22	0.29	0.38	0.48	0.56
	277V	0.09	0.10	0.13	0.17	0.21	0.25	0.09	0.10	0.13	0.17	0.21	0.25
Power (Watts)	347V or 480V	23.3	28.7	36.6	49.5	60.7	70.1	23.3	28.7	36.6	49.5	60.7	70.1
Current (A)	347V	0.07	0.08	0.11	0.15	0.18	0.21	0.07	0.08	0.11	0.15	0.18	0.21
	480V	0.05	0.06	0.08	0.11	0.13	0.16	0.05	0.06	0.08	0.11	0.13	0.16
Optics (4000K, 70 CRI)													
T2	Lumens	2,802	3,500	4,618	5,778	7,231	7,895	2,772	3,475	4,576	5,733	7,175	7,834
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2
	Lumens Per Watt	139	138	135	128	124	120	138	137	134	127	123	119
T3	Lumens	2,778	3,470	4,578	5,729	7,169	7,827	2,731	3,424	4,508	5,648	7,069	7,718
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2
	Lumens Per Watt	138	137	134	127	123	119	136	135	132	125	121	117
T4FT	Lumens	2,751	3,436	4,534	5,673	7,099	7,751	2,762	3,462	4,559	5,712	7,149	7,805
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2
	Lumens Per Watt	137	135	133	126	122	117	137	136	133	126	123	118
T4W	Lumens	2,780	3,473	4,582	5,733	7,174	7,833	2,739	3,434	4,522	5,665	7,089	7,740
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2
	Lumens Per Watt	138	137	134	127	123	119	136	135	132	125	122	117
SL2	Lumens	2,763	3,451	4,554	5,698	7,130	7,785	2,730	3,422	4,507	5,646	7,066	7,715
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G2	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G2
	Lumens Per Watt	137	136	133	126	123	118	136	135	132	125	121	117
SL3	Lumens	2,745	3,429	4,524	5,660	7,084	7,734	2,709	3,396	4,472	5,603	7,012	7,655
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2
	Lumens Per Watt	137	135	132	125	122	117	135	134	131	124	120	116
SL4	Lumens	2,680	3,348	4,417	5,526	6,916	7,551	2,666	3,342	4,401	5,514	6,900	7,534
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2
	Lumens Per Watt	133	132	129	122	119	114	133	132	129	122	119	114
SLL	Lumens	2,447	3,057	4,033	5,046	6,315	6,895	2,459	3,083	4,059	5,086	6,365	6,949
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2
	Lumens Per Watt	122	120	118	112	109	104	122	121	119	113	109	105
RW	Lumens	2,883	3,601	4,751	5,945	7,440	8,123	2,818	3,533	4,652	5,828	7,294	7,964
	BUG Rating	B2-U0-G1	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B2-U0-G1	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1
	Lumens Per Watt	143	142	139	132	128	123	140	139	136	129	125	121

McGraw-Edison — Impact Elite LED

1 Light Panel (PA)		Cylinder (ISC) and Quarter Sphere (ISS)						Trapezoid (IST) and Wedge (ISW)					
Drive Current (mA)		350	450	600	800	1000	1200	350	450	600	800	1000	1200
Power (Watts)	120 - 277V	28.9	36.4	48.9	63.0	82.4	94.4	28.9	36.4	48.9	63.0	82.4	94.4
Current (A)	120V	0.24	0.31	0.41	0.53	0.69	0.79	0.24	0.31	0.41	0.53	0.69	0.79
	277V	0.11	0.14	0.18	0.23	0.30	0.34	0.11	0.14	0.18	0.23	0.30	0.34
Power (Watts)	347V or 480V	30.5	37.7	49.0	63.9	83.2	95.0	30.5	37.7	49.0	63.9	83.2	95.0
Current (A)	347V OR 480V	0.09	0.11	0.14	0.19	0.24	0.28	0.09	0.11	0.14	0.19	0.24	0.28
	480V	0.07	0.08	0.11	0.14	0.18	0.20	0.07	0.08	0.11	0.14	0.18	0.20
Optics (4000K, 70 CRI)													
T2R	Lumens	4,296	5,369	7,010	8,733	10,721	11,750	4,154	5,211	6,738	8,386	10,329	11,338
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2
	Lumens Per Watt	149	147	143	139	130	124	144	143	138	133	125	120
T2U	Lumens	4,241	5,300	6,920	8,621	10,584	11,600	4,123	5,172	6,688	8,323	10,252	11,253
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3
	Lumens Per Watt	147	146	142	137	128	123	143	142	137	132	124	119
T3	Lumens	4,193	5,240	6,842	8,524	10,464	11,468	4,079	5,117	6,616	8,235	10,143	11,133
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3
	Lumens Per Watt	145	144	140	135	127	121	141	141	135	131	123	118
T4W	Lumens	4,165	5,205	6,796	8,467	10,394	11,392	4,083	5,122	6,623	8,243	10,152	11,144
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3
	Lumens Per Watt	144	143	139	134	126	121	141	141	135	131	123	118
5WQ	Lumens	4,255	5,318	6,943	8,650	10,619	11,638	4,206	5,276	6,822	8,491	10,458	11,480
	BUG Rating	B3-U0-G1	B3-U0-G2	B3-U0-G2	B3-U0-G2	B4-U0-G3	B4-U0-G3	B3-U0-G1	B3-U0-G2	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G3
	Lumens per Watt	147	146	142	137	129	123	146	145	140	135	127	122

Lumen Maintenance (TM-21)

Drive Current	Ambient Temperature	25,000 hours*	50,000 hours*	60,000 hours*	100,000 hours**	Theoretical L70 hours**
Up to 1A	25°C	99.4%	99.0%	98.9%	98.3%	> 2.4M
	40°C	98.7%	98.3%	98.1%	97.4%	> 1.9M
	50°C	98.2%	97.2%	96.8%	95.2%	> 851,000
1.2A	25°C	99.4%	99.0%	98.9%	98.3%	> 2.4M
	40°C	98.5%	97.9%	97.7%	96.7%	> 1.3M

* Supported by IES TM-21 standards
** Theoretical values represent estimations commonly used; however, refer to the IES position on LED Product Lifetime Prediction, IES PS-10-18, explaining proper use of IES TM-21 and LM-80.

Lumen Multiplier

Ambient Temperature	Lumen Multiplier
10ºC	1.02
15ºC	1.01
25ºC	1.00
40ºC	0.99

Control Options

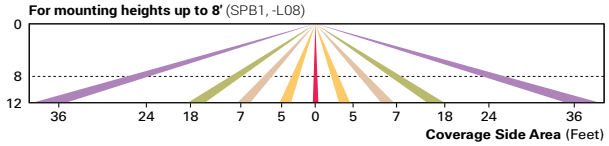
0-10V
This fixture is offered standard with 0-10V dimming driver(s).

Photocontrol (BPC and PR7)
Optional button-type photocontrol provides a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels.

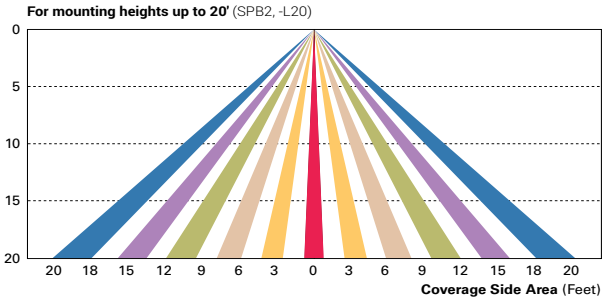
After Hours Dim (AHD)
This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a "dusk-to-dawn" period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

Dimming Occupancy Sensor (SPB, MS/DIM-LXX)
These sensors are factory installed in the luminaire housing. When the SPB or MS/DIM sensor options are selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes. SPB motion sensors require the Sensor Configuration mobile application by Wattstopper to change factory default dimming level, time delay, sensitivity and other parameters. Available for iOS and Android devices. The SPB sensor is factory preset to dim down to approximately 10% power with a time delay of five minutes. The MS/DIM occupancy sensors require the FSIR-100 programming tool to adjust factory defaults.

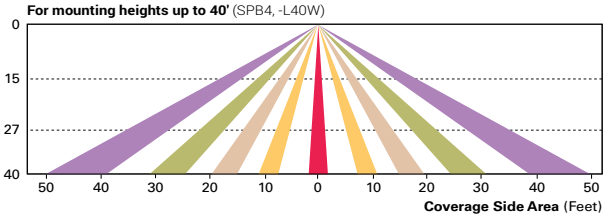
For mounting heights up to 8' (SPB1, -L08)



For mounting heights up to 20' (SPB2, -L20)

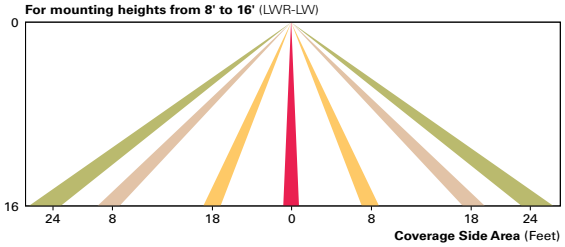


For mounting heights up to 40' (SPB4, -L40W)

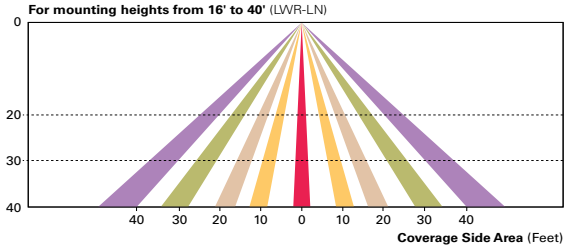


Enlighted Wireless Control and Monitoring System (LWR-LW and LWR-LN)
Enlighted is a connected lighting solution that combines a broad selection of energy-efficient LED luminaires with a powerful integrated wireless sensor system. The sensor controls the lighting system in compliance with the latest energy codes and collects valuable data about building performance and use. Software applications turn the granular data into information through energy dashboards and specialized apps that make it simple and help optimize the use of building resources, beyond lighting.

For mounting heights from 8' to 16' (LWR-LW)

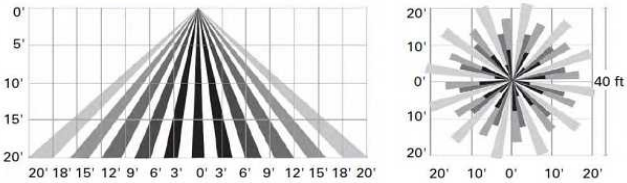


For mounting heights from 16' to 40' (LWR-LN)

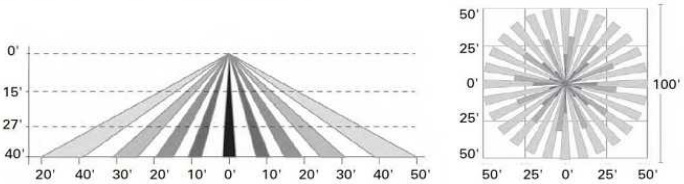


WaveLinx Wireless Control and Monitoring System
Operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. WaveLinx Pro (WPS2 to WPS4) outdoor wireless sensors offer passive infrared (PIR) occupancy and photocell for closed loop daylight harvesting, and can be factory or field-installed. Sensors are factory preset to dim down to 50% after 15 minutes of no motion detected. Two lens options are available for mounting heights of 7' to 40'. Use the WaveLinx mobile application for set-up and configuration. At least one Wireless Area Controller (WAC) is required for full functionality and remote communication (including adjustment of any factory pre-sets). WaveLinx Lite (WLS4 and WLS2) outdoor wireless sensors provide PIR occupancy and photocell for closed loop daylight harvesting, and can be factory or field-installed. Sensors are factory preset to dim down to 50% after 15 minutes of no motion detected. Two lens options are available for mounting heights of 7' to 40'. Use the WaveLinx Lite mobile application for set-up and configuration. WAC not required. WaveLinx Outdoor Control Module (WOLC-7P-10A) accessory provides a photocontrol enabling astronomic or time-based schedules to provide ON, OFF and dimming control of fixtures utilizing a 7-PIN receptacle. The out-of-box functionality is ON at dusk and OFF at dawn.

For mounting heights up to 15' (WPS2 and WLS2)



For mounting heights up to 40' (WPS4 and WLS4)



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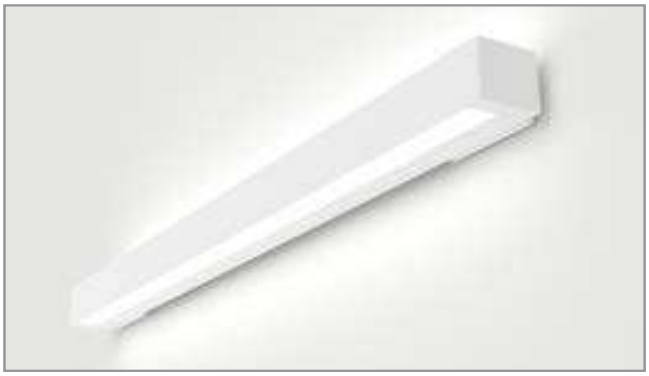
Specifications and dimensions subject to change without notice.

Job Name : JACKSON COUNTY AIRPORT - TERMINAL AREA DEVELOPMENT
Manufacturer : CORELITE
Model Number : SQW-F-100U/100D-835-1D-UNV-STD-WLS-W-WM-4

Type : H

Project		Catalog #		Type	
Prepared by		Notes		Date	



Corelite

Continua SQ Wall - SQW

LED
Wall Mounted
Direct, Direct/Indirect

Typical Applications
Office • Education • Healthcare • Hospitality • Retail

Interactive Menu

- Order Information page 2
- Product Specifications page 2
- Photometric Data page 3
- Energy and Performance Data page 3
- Standard Row Configurations page 4
- Control Systems page 5
- Product Warranty

Product Certification

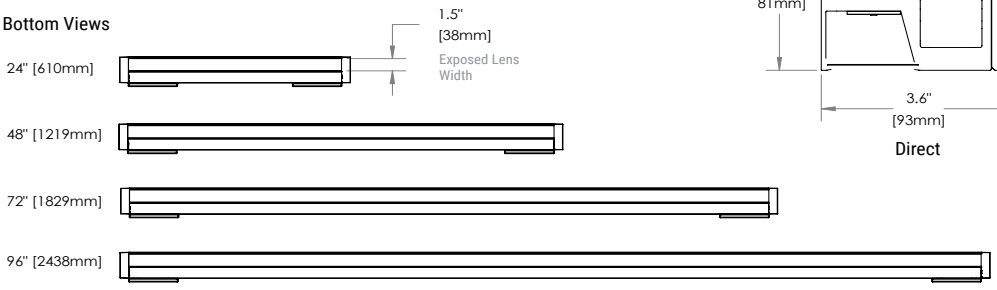
Product Features

Connected Systems · damp location · powered by fifthlight

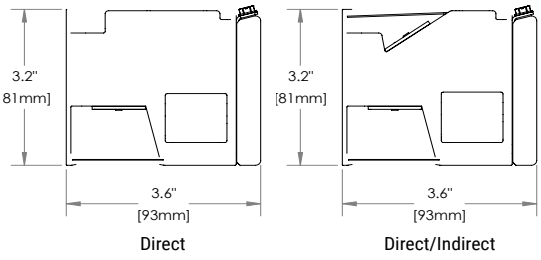
Top Product Features

- Compact scale and seamless illumination with single piece luminous roll lens up to 100 feet
- ADA Compliant for wall mount installation
- High quality illumination while delivering up to 138 lumens per watt
- Wide range of direct/indirect distributions plus independent up/down circuiting
- Available in 2', 4', 6', 8', and Continuous runs
- Options to meet Buy American Act requirements

Dimensions and Fixture Lengths



Note: End caps add 1" at each end.



Job Name : JACKSON COUNTY AIRPORT - TERMINAL AREA DEVELOPMENT
Manufacturer : CORELITE
Model Number : SQW-F-100U/100D-835-1D-UNV-STD-WLS-W-WM-4

Type : H

Corelite — Continua SQ Wall - SQW

Order Information

SAMPLE ORDER NUMBER: **SQW-F-050U/075U-835-1D-UNV-STD-WAB-BSL6-W-WM-16**

Domestic Preference	Series	Shielding	Lumen Package Up (Lms/ft)	Lumen Package Down (Lms/ft)	CRI/CCT	Circuiting (In Cross Section)	Specialty Wiring	Voltage
[Blank]=Standard **BAA**=Buy American Act	**SQW**=SQ Linear Wall Mount Direct/ Indirect	**F**=Frosted Continuous Roll Lens	**0U**=0 Lumens Up (Direct Only) **025U**=250 Lumens Up **050U**=500 Lumens Up **075U**=750 Lumens Up **100U**=1000 Lumens Up **___U**=Specify	**025D**=250 Lumens Down **050D**=500 Lumens Down **075D**=750 Lumens Down **100D**=1000 Lumens Down **125D**=1250 Lumens Down **___D**=Specify	**830**=LED 3000K, 80 CRI **835**=LED 3500K, 80 CRI **840**=LED 4000K, 80 CRI **930**=LED 3000K, 90 CRI **935**=LED 3500K, 90 CRI **940**=LED 4000K, 90 CRI **93050**=White Tune 3000K-5000K **92765**=White Tune 2700K-6500K	**1**=Single Circuit **2**=Dual Circuit- (Ind. Up/Down Circuits)	**D**=None (Default Dimming) **E**=Emergency Circuit **S**=Secondary Circuit	**UNV**=Universal (120V-277V) **347**=347V
Notes Only product configurations with this designated prefix are built to be compliant with the Buy American Act of 1933 (BAA). Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.		**Notes** Single piece lens supplied up to 100-ft.	**Notes** Custom lumen output available. Up (Indirect): Min = 170 Lms/ft Max = 1800 Lms/ft Consult factory to specify custom lumen package. Not all lumen packages are available for every configuration. See Driver Availability tables for more details.	**Notes** Custom lumen output available. Down (Direct): Min = 135 Lms/ft Max = 2000 Lms/ft Consult factory to specify custom lumen package. Not all lumen packages are available for every configuration. See Driver Availability tables for more details.	**Notes** White Tuning is 90CRI standard. Tunable White options to be used with W2A driver only. Must be used with two (2) 10V dimming control channels, 1 color, 1 intensity. Not compatible with other control or sensor options.	**Notes** Refers to wiring in cross section. Dual circuit not available with secondary circuit or integrated sensor.	**Notes** Select "D" wiring for individual fixtures. Emergency and Secondary circuit section wiring are configured per unit (2ft, 4ft, 6ft, or 8ft). Emergency circuit powers downlight portion only Emergency circuit not available with secondary circuit or integrated sensor. Secondary circuit not available with integrated sensor.	**Notes** Integral 347V driver with STD 0-10V option only.

Driver / Dimming	Integral Sensor Options	Integral Emergency Device Options	Finish	Mounting	Run Length
STD=Standard 0-10V (1%-100%) **5LT**=Fifth Light DALI (1%-100%) **LH**=Lutron HiLume 1% EcoSystems **SR**=Sensor Ready (1%-100%) **W2A**=White Tuning, 2 ch, 0-10V Intensity and CCT Control	**WAA**=WaveLinx Wireless Integrated Sensor **WAB**=WaveLinx Lite Wireless Integrated Sensor **LWIPD1**=Enlighted Wireless Integrated Sensor	**BSL6**=6-watt, 120V-277V Emergency Battery Pack, BSL6LST **EPC**=LVS Controls EPC UL924 Device	**W**=White **S**=Silver **B**=Black **CC**=Custom Color	**WM**=Wall Mount - Junction Box	**2**=2 ft **4**=4 ft **6**=6 ft **8**=8 ft **XX**=Specify Row Length
Notes Not all driver options are available for every configuration. See Driver Availability tables for more details.	**Notes** WAA and WAB sensor must be used with "STD" driver. LWI sensor must be used with "SR" sensor ready driver. Integrated Sensor with Emergency circuit "E" requires the EPC option. SWPD1 has been renamed to WAA, but remains the same sensor.	**Notes** Battery powers 4ft section downlight only during loss of power Battery not available with Sensor in 4ft unit size. Battery is not available in 2ft fixture unit size. EPC option used to bypass local control during outage. Must be used in conjunction with UL 1008 device (provided by others).	**Notes** CC = must denote RAL color number		**Notes** See 'Standard Row Configurations' table on Page 3 for continuous row length breakdowns. 2ft not available with integrated sensors or emergency.

Corelite — Continua SQ Wall - SQW

Product Specifications

Construction
- Single-piece extruded aluminum housing
- 3.2" x 3.2" profile with 1/2" wall mounting bracket.
- Die-formed 20 gauge cold rolled steel LED tray
- Driver accessible from above

End Caps
- Die cast aluminum end caps allow for expansion of lens to eliminate light leak
- Attach mechanically to the end of the fixture without exposed fasteners
- End cap adds 1" at each end

Lengths
- Available in 2 ft, 4 ft, 6 ft, and 8ft sections
- Modular design eliminates the need for starter, intermediate, and end of run sections
- See table on page 4 for continuous row length breakdowns

Finish
- Electrostatically applied polyester powder coat paint
- White, Silver, or Black finish offered as standard
- RAL custom colors are available

Mounting
- Fixture mounts directly to structure over a 2 x 4 inch standard electrical box mounted horizontally into the wall
- Wall bracket design allows fixture to hang while wiring connections are made
- Power feed location located on left side of each unit
- All sections are continuously wired with push-in connectors for fast installation
- Fixtures can be joined for straight continuous runs using rigid alignment feature

Shielding / Optics
- Frosted continuous flexible roll lens creates seamless illumination along entire row length
- Single piece roll lens up to 100 ft
- Dust cover present in all configurations to soften beam edge and provide easy wipe-down maintenance

LED and Light Engine
- LEDs are available in 3000K, 3500K, 4000K
- CRI options of either ≥80CRI or ≥90CRI
- Lumen output will be affected - please refer to the lumen adjustment factor tables
- TM21 life at 60,000 hours up to L84 and calculated L70 exceeds 121,000 hrs
- Drivers available in universal 120-277V and 347V
- White Tuning options available with Cooper Lighting's VividTune

Integrated Controls
- 0-10V dimming to 1% standard
- WaveLinx sensor compatible for IoT capability
- Enlighted sensor compatible for IoT capability
- DALI 2.0 and Lutron dimming available
- WaveLinx Lite compatible for out-of-the-box functionality

Emergency Options
- Emergency circuit option operates entire downlight portion of a specified unit (4 ft, 6 ft, or 8 ft)
- Optional 6-watt 120-277V integral emergency battery illuminates a 4 ft. down-light section
- 90-minute backup period for code compliance
- Test switch/indicator button located on the bottom side of the luminaire
- For approximate delivered lumens multiply the lumens per watt of the desired fixture by the wattage of the emergency battery pack (100 lm/W x 6 = 600 lumens)
- Battery is self-testing
- UL 924 emergency/generator transfer options available

Weight
- <3 lbs. per foot

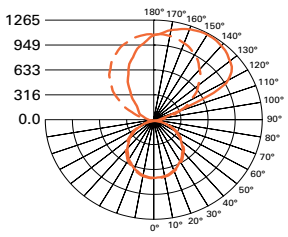
Compliance
- cULus listed for damp locations
- RoHS compliant
- ADA compliant for wall mount installation
- Tested to IESNA LM-79 and LM-80
- Stated life per TM21 standards
- Can be used for State of California Title 24 high efficacy luminaire

Warranty
- Five year warranty standard www.cooperlighting.com/legal

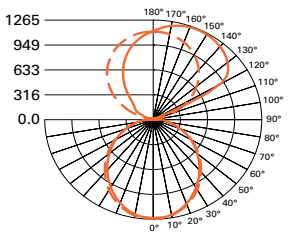
Corelite — Continua SQ Wall - SQW

Photometric Data

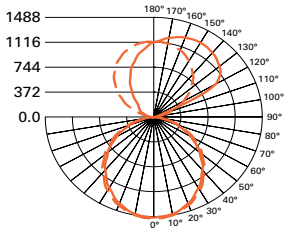
View IES files



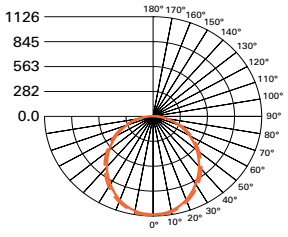
FILE NAME: SQW-F-075U-050D-835-1D-UNV-STD-W-4.IES
CCT/CRI: 3500K / 80CRI
LUMENS: 5077 Lm
WATTS: 37.8 W
EFFICACY: 134.3 Lm/W
TEST NO.: P511786
61% UP / 39% DOWN



FILE NAME: SQW-F-075U-075D-835-1D-UNV-STD-W-4.IES
CCT/CRI: 3500K / 80CRI
LUMENS: 6134 Lm
WATTS: 47.8 W
EFFICACY: 128.3 Lm/W
TEST NO.: P511792
50% UP / 50% DOWN



FILE NAME: SQW-F-075U-100D-835-1D-UNV-STD-W-4.IES
CCT/CRI: 3500K / 80CRI
LUMENS: 7116 Lm
WATTS: 57.2 W
EFFICACY: 124.4 Lm/W
TEST NO.: P511798
43% UP / 57% DOWN



FILE NAME: SQW-F-0U-075D-835-1D-UNV-STD-W-4.IES
CCT/CRI: 3500K / 80CRI
LUMENS: 3043 Lm
WATTS: 27.3 W
EFFICACY: 111.5 Lm/W
TEST NO.: P511822
0% UP / 100% DOWN

Note: Refer to IES files for more product data.

Energy and Performance Data

SQW Performance (80CRI, 3500K)(1)						
Lumen Package	Lumens/ft Up	Lumens/ft Down	Lumens/ft Total	W/ft Total	Lm/W	Distribution (up%/down%)
0U-025D	0	253	253	2.2	113	0%/100%
0U-050D	0	497	497	4.3	115	0%/100%
0U-075D	0	761	761	6.8	111	0%/100%
0U-100D	0	1006	1006	9.2	110	0%/100%
0U-125D	0	1243	1243	11.7	106	0%/100%
025U-025D	252	253	506	4.1	124	50%/50%
025U-050D	252	497	749	6.1	122	34%/66%
025U-075D	252	761	1013	8.7	117	25%/75%
025U-100D	252	1006	1259	11.0	115	20%/80%
025U-125D	252	1243	1495	13.6	110	17%/83%
050U-025D	507	253	760	5.8	131	67%/33%
050U-050D	507	497	1004	7.9	128	51%/49%
050U-075D	507	761	1268	10.4	122	40%/60%
050U-100D	507	1006	1513	12.7	119	34%/66%
050U-125D	507	1243	1750	15.3	114	29%/71%
075U-025D	761	253	1014	7.4	138	75%/25%
075U-050D	761	497	1258	9.4	133	61%/39%
075U-075D	761	761	1522	12.0	127	50%/50%
075U-100D	761	1006	1768	14.3	124	43%/57%
075U-125D	761	1243	2004	16.9	119	38%/62%
100U-025D	977	253	1230	9.0	137	79%/21%
100U-050D	977	497	1474	11.0	134	66%/34%
100U-075D	977	761	1738	13.5	128	56%/44%
100U-100D	977	1006	1984	15.9	125	49%/51%
100U-125D	977	1243	2220	18.4	120	44%/56%

Lumen Adjustment Factors

CCT Multiplier	80 CRI	90 CRI
3000K	0.942	0.795
3500K	1.000	0.843
4000K	0.986	0.881

Example Calculation:
025U-075D / 3500K / 80 CRI
Lumen Output selected = 1013 lms/ft

3500K / 90 CRI Desired
Lumen Adjustment Factor = .795

Adjusted Lumen Output = 1013 lms/ft x .795 = 805 lms/ft

Lumen Maintenance

Ambient Temperature	TM-21 Lumen Maintenance (60,000 hours)	Theoretical L70 (Hours)
25°C	>84%	121,000

Color Data (3500K)

		80CRI	90CRI
TM-30-15	R_f	82.3	90.8
	R_g	97.6	99.5
CRI/CIE	R_a	83.0	95.7
	R_9	13.0	65.9

Note:
(1) For technical data of other configurations please see photometric section on website or click link at top-right.

Corelite — Continua SQ Wall - SQW

Standard Row Configurations

Fixture Length	4'	6'	8'	10'	12'	14'	16'	18'	20'	22'	24'	26'	28'	30'	32'	34'	36'	38'	40'	42'	44'	46'	48'	50'
4'	1			1	1			1	1			1	1			1	1			1	1			1
6'		1		1		1		1		1		1		1		1		1		1		1		1
8'			1		1	1	2	1	2	2	3	2	3	3	4	3	4	4	5	4	5	5	6	5

Fixture Length	52'	54'	56'	58'	60'	62'	64'	66'	68'	70'	72'	74'	76'	78'	80'	82'	84'	86'	88'	90'	92'	94'	96'	98'	100'
4'	1			1	1			1	1			1	1			1	1			1	1			1	1
6'		1		1		1		1		1		1		1		1		1		1		1		1	
8'	6	6	7	6	7	7	8	7	8	8	9	8	9	9	10	9	10	10	11	10	11	11	12	11	12

Companion Offering

SQ4 Suspended

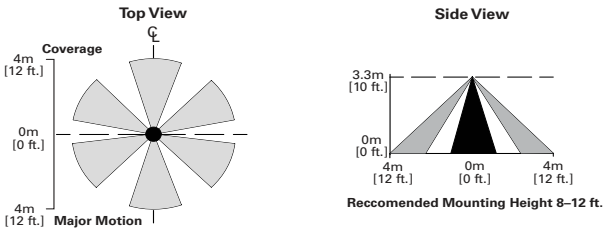
Corelite — Continua SQ Wall - SQW

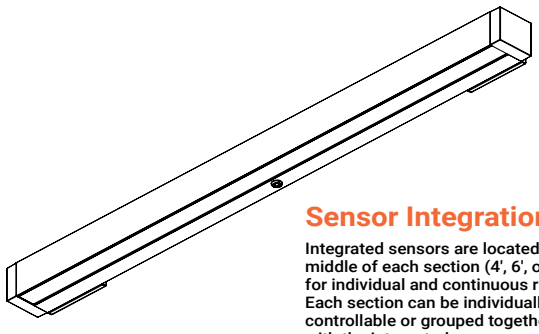
Control Systems

- WaveLinx Wireless
- WaveLinx Wired
- WaveLinx Lite
- Enlighted
- iLumin Plus
- VividTune

Connected Systems CLICK HERE

The Continua SQ Wall with Integrated Sensor technology provides automatic energy savings without sacrificing performance. The SQW delivers superior lighting with integrated occupancy and daylighting controls. For standalone and controlled applications, the WaveLinx Lite integral sensor provides out-of-the-box functionality with no gateways required and factory startup is not needed. When more connectivity is required, the WaveLinx Wireless sensor meets modern code and utility requirements, delivers energy and cost savings, while enabling buildings to become smart buildings. The WaveLinx Wireless Connected Lighting System combined with Trellix provides an open IoT platform and infrastructure that connects intelligent sensors leveraging the real-estate of the physical light fixture to solve higher complexity problems to deliver actionable insights through the aggregation of valuable data.
For additional information integrated sensors and connected lighting, please visit Cooper Lighting Solutions' Connected Lighting Website.





Sensor Integration

Integrated sensors are located in the middle of each section (4', 6', or 8') for individual and continuous runs. Each section can be individually controllable or grouped together with the integrated sensors.

Systems comparison chart

Cooper Lighting Solutions provides many lighting system solutions designed to satisfy code requirements and meet the unique needs of any project.

	Standalone	Controlled WaveLinx Lite	Connected WaveLinx Wireless	Enterprise Trellix
Occupancy	Yes	Yes	Yes	Yes
Daylighting	Yes	Yes	Yes	Yes
Gateways	–	–	1 WAC	300 WACs
Devices	–	50 per Area (1400 per site)	150 per WAC	45,000 per Core Enterprise
Software	–	WaveLinx Lite Mobile App	WaveLinx Mobile App	Trellix Core
Areas	–	28 per Site	16 per WAC	up to 4,800
Zones	–	16 per Area	16 per Area	up to 76,800
Scheduling	–	–	Local	Global
VividTune™	–	–	Yes	Yes
Plug-Load Control	–	–	Yes	Yes
Integration	–	–	–	BACnet, API
Dashboards	–	–	–	Energy, Occupancy
Configuration	–	Installer	Technician	Technician / IT

Corelite — Continua SQ Wall - SQW

Driver Availability

	'STD' 0-10V, UNV Qty of Drivers				'5LT' DALI / 'SR' Qty of Drivers				'LH' Lutron Qty of Drivers				'STD' 0-10V, 347V Qty of Drivers				'W2A' 2Ch WT 0-10V, UNV Qty of Drivers			
Lumen Package	**2'**	**4'**	**6'**	**8'**	**2'**	**4'**	**6'**	**8'**	**2'**	**4'**	**6'**	**8'**	**2'**	**4'**	**6'**	**8'**	**2'**	**4'**	**6'**	**8'**
0U-025D	N/A	1	1	1	N/A	1	1	1	N/A	1	1	1	N/A	1	1	1	N/A	1	1	1
0U-050D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	N/A	1	1	1
0U-075D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
0U-100D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2
0U-125D	1	1	1	2	1	1	1	2	1	1	1	2	1	1	1	2	1	1	2	2
025U-025D	N/A	2	2	2	N/A	2	2	2	N/A	N/A	2	2	N/A	2	2	2	N/A	N/A	2	2
025U-050D	N/A	2	2	2	N/A	2	2	2	N/A	N/A	2	2	N/A	2	2	2	N/A	N/A	2	2
025U-075D	N/A	2	2	2	N/A	2	2	2	N/A	N/A	2	2	N/A	2	2	2	N/A	N/A	2	2
025U-100D	N/A	2	2	2	N/A	2	2	2	N/A	N/A	2	2	N/A	2	2	2	N/A	N/A	3	3
025U-125D	N/A	2	2	3	N/A	2	2	3	N/A	N/A	2	3	N/A	2	2	3	N/A	N/A	3	3
050U-025D	N/A	2	2	2	N/A	2	2	2	N/A	2	2	2	N/A	2	2	2	N/A	2	2	2
050U-050D	2	2	2	2	2	2	2	2	N/A	2	2	2	2	2	2	2	N/A	2	2	2
050U-075D	2	2	2	2	2	2	2	2	N/A	2	2	2	2	2	2	2	N/A	2	2	2
050U-100D	2	2	2	2	2	2	2	2	N/A	2	2	2	2	2	2	2	N/A	2	3	3
050U-125D	2	2	2	3	2	2	2	3	N/A	2	2	3	2	2	2	3	N/A	2	3	3
075U-025D	N/A	2	2	2	N/A	2	2	2	N/A	2	2	2	N/A	2	2	2	N/A	2	2	2
075U-050D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	N/A	2	2	2
075U-075D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	N/A	2	2	2
075U-100D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	N/A	2	3	3
075U-125D	2	2	2	3	2	2	2	3	2	2	2	3	2	2	2	3	N/A	2	3	3
100U-025D	N/A	2	2	2	N/A	2	2	2	N/A	2	2	2	N/A	2	2	2	N/A	2	2	3
100U-050D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	N/A	2	2	3
100U-075D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
100U-100D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4
100U-125D	2	2	2	3	2	2	2	3	2	2	2	3	2	2	2	3	2	2	3	4

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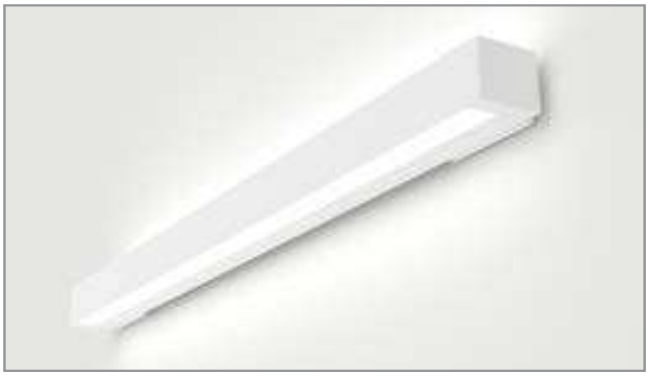
Specifications and dimensions subject to change without notice.

Job Name : JACKSON COUNTY AIRPORT - TERMINAL AREA DEVELOPMENT
Manufacturer : CORELITE
Model Number : SQW-F-100U/100D-835-1D-UNV-STD-B06-W-WM-4

Type : HE

Project		Catalog #		Type	
Prepared by		Notes		Date	



Corelite

Continua SQ Wall - SQW

LED
Wall Mounted
Direct, Direct/Indirect

Typical Applications
Office • Education • Healthcare • Hospitality • Retail

Interactive Menu

- Order Information page 2
- Product Specifications page 2
- Photometric Data page 3
- Energy and Performance Data page 3
- Standard Row Configurations page 4
- Control Systems page 5
- Product Warranty

Product Certification

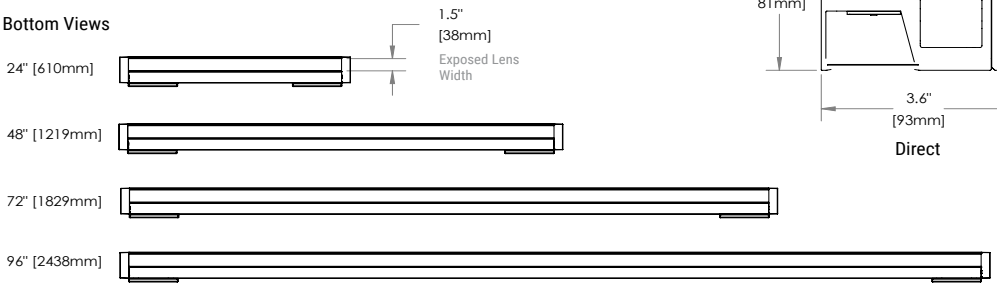
Product Features

Connected Systems · damp location · powered by fifthlight

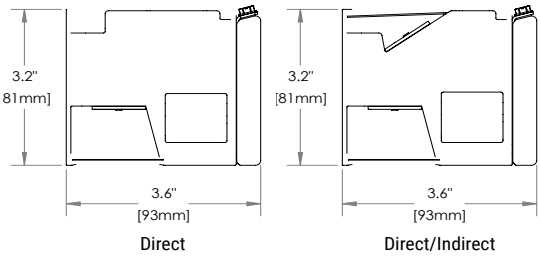
Top Product Features

- Compact scale and seamless illumination with single piece luminous roll lens up to 100 feet
- ADA Compliant for wall mount installation
- High quality illumination while delivering up to 138 lumens per watt
- Wide range of direct/indirect distributions plus independent up/down circuiting
- Available in 2', 4', 6', 8', and Continuous runs
- Options to meet Buy American Act requirements

Dimensions and Fixture Lengths



Note: End caps add 1" at each end.



Job Name : JACKSON COUNTY AIRPORT - TERMINAL AREA DEVELOPMENT
Manufacturer : CORELITE
Model Number : SQW-F-100U/100D-835-1D-UNV-STD-B06-W-WM-4

Type : HE

Corelite — Continua SQ Wall - SQW

Order Information

SAMPLE ORDER NUMBER: **SQW-F-050U/075U-835-1D-UNV-STD-WAB-BSL6-W-WM-16**

Domestic Preference	Series	Shielding	Lumen Package Up (Lms/ft)	Lumen Package Down (Lms/ft)	CRI/CCT	Circuiting (In Cross Section)	Specialty Wiring	Voltage
[Blank]=Standard **BAA**=Buy American Act	**SQW**=SQ Linear Wall Mount Direct/ Indirect	**F**=Frosted Continuous Roll Lens	**0U**=0 Lumens Up (Direct Only) **025U**=250 Lumens Up **050U**=500 Lumens Up **075U**=750 Lumens Up **100U**=1000 Lumens Up **___U**=Specify	**025D**=250 Lumens Down **050D**=500 Lumens Down **075D**=750 Lumens Down **100D**=1000 Lumens Down **125D**=1250 Lumens Down **___D**=Specify	**830**=LED 3000K, 80 CRI **835**=LED 3500K, 80 CRI **840**=LED 4000K, 80 CRI **930**=LED 3000K, 90 CRI **935**=LED 3500K, 90 CRI **940**=LED 4000K, 90 CRI **93050**=White Tune 3000K-5000K **92765**=White Tune 2700K-6500K	**1**=Single Circuit **2**=Dual Circuit- (Ind. Up/Down Circuits)	**D**=None (Default Dimming) **E**=Emergency Circuit **S**=Secondary Circuit	**UNV**=Universal (120V-277V) **347**=347V
Notes Only product configurations with this designated prefix are built to be compliant with the Buy American Act of 1933 (BAA). Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.		**Notes** Single piece lens supplied up to 100-ft.	**Notes** Custom lumen output available. Up (Indirect): Min = 170 Lms/ft Max = 1800 Lms/ft Consult factory to specify custom lumen package. Not all lumen packages are available for every configuration. See Driver Availability tables for more details.	**Notes** Custom lumen output available. Down (Direct): Min = 135 Lms/ft Max = 2000 Lms/ft Consult factory to specify custom lumen package. Not all lumen packages are available for every configuration. See Driver Availability tables for more details.	**Notes** White Tuning is 90CRI standard. Tunable White options to be used with W2A driver only. Must be used with two (2) 10V dimming control channels, 1 color, 1 intensity. Not compatible with other control or sensor options.	**Notes** Refers to wiring in cross section. Dual circuit not available with secondary circuit or integrated sensor.	**Notes** Select "D" wiring for individual fixtures. Emergency and Secondary circuit section wiring are configured per unit (2ft, 4ft, 6ft, or 8ft). Emergency circuit powers downlight portion only Emergency circuit not available with secondary circuit or integrated sensor. Secondary circuit not available with integrated sensor.	**Notes** Integral 347V driver with STD 0-10V option only.

Driver / Dimming	Integral Sensor Options	Integral Emergency Device Options	Finish	Mounting	Run Length
STD=Standard 0-10V (1%-100%) **5LT**=Fifth Light DALI (1%-100%) **LH**=Lutron HiLume 1% EcoSystems **SR**=Sensor Ready (1%-100%) **W2A**=White Tuning, 2 ch, 0-10V Intensity and CCT Control	**WAA**=WaveLinx Wireless Integrated Sensor **WAB**=WaveLinx Lite Wireless Integrated Sensor **LWIPD1**=Enlighted Wireless Integrated Sensor	**BSL6**=6-watt, 120V-277V Emergency Battery Pack, BSL6LST **EPC**=LVS Controls EPC UL924 Device	**W**=White **S**=Silver **B**=Black **CC**=Custom Color	**WM**=Wall Mount - Junction Box	**2**=2 ft **4**=4 ft **6**=6 ft **8**=8 ft **XX**=Specify Row Length
Notes Not all driver options are available for every configuration. See Driver Availability tables for more details.	**Notes** WAA and WAB sensor must be used with "STD" driver. LWI sensor must be used with "SR" sensor ready driver. Integrated Sensor with Emergency circuit "E" requires the EPC option. SWPD1 has been renamed to WAA, but remains the same sensor.	**Notes** Battery powers 4ft section downlight only during loss of power Battery not available with Sensor in 4ft unit size. Battery is not available in 2ft fixture unit size. EPC option used to bypass local control during outage. Must be used in conjunction with UL 1008 device (provided by others).	**Notes** CC = must denote RAL color number		**Notes** See 'Standard Row Configurations' table on Page 3 for continuous row length breakdowns. 2ft not available with integrated sensors or emergency.

Corelite — Continua SQ Wall - SQW

Product Specifications

Construction
- Single-piece extruded aluminum housing
- 3.2" x 3.2" profile with 1/2" wall mounting bracket.
- Die-formed 20 gauge cold rolled steel LED tray
- Driver accessible from above

End Caps
- Die cast aluminum end caps allow for expansion of lens to eliminate light leak
- Attach mechanically to the end of the fixture without exposed fasteners
- End cap adds 1" at each end

Lengths
- Available in 2 ft, 4 ft, 6 ft, and 8ft sections
- Modular design eliminates the need for starter, intermediate, and end of run sections
- See table on page 4 for continuous row length breakdowns

Finish
- Electrostatically applied polyester powder coat paint
- White, Silver, or Black finish offered as standard
- RAL custom colors are available

Mounting
- Fixture mounts directly to structure over a 2 x 4 inch standard electrical box mounted horizontally into the wall
- Wall bracket design allows fixture to hang while wiring connections are made
- Power feed location located on left side of each unit
- All sections are continuously wired with push-in connectors for fast installation
- Fixtures can be joined for straight continuous runs using rigid alignment feature

Shielding / Optics
- Frosted continuous flexible roll lens creates seamless illumination along entire row length
- Single piece roll lens up to 100 ft
- Dust cover present in all configurations to soften beam edge and provide easy wipe-down maintenance

LED and Light Engine
- LEDs are available in 3000K, 3500K, 4000K
- CRI options of either ≥80CRI or ≥90CRI
- Lumen output will be affected - please refer to the lumen adjustment factor tables
- TM21 life at 60,000 hours up to L84 and calculated L70 exceeds 121,000 hrs
- Drivers available in universal 120-277V and 347V
- White Tuning options available with Cooper Lighting's VividTune

Integrated Controls
- 0-10V dimming to 1% standard
- WaveLinx sensor compatible for IoT capability
- Enlighted sensor compatible for IoT capability
- DALI 2.0 and Lutron dimming available
- WaveLinx Lite compatible for out-of-the-box functionality

Emergency Options
- Emergency circuit option operates entire downlight portion of a specified unit (4 ft, 6 ft, or 8 ft)
- Optional 6-watt 120-277V integral emergency battery illuminates a 4 ft. down-light section
- 90-minute backup period for code compliance
- Test switch/indicator button located on the bottom side of the luminaire
- For approximate delivered lumens multiply the lumens per watt of the desired fixture by the wattage of the emergency battery pack (100 lm/W x 6 = 600 lumens)
- Battery is self-testing
- UL 924 emergency/generator transfer options available

Weight
- <3 lbs. per foot

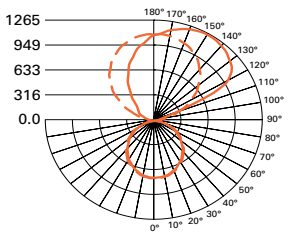
Compliance
- cULus listed for damp locations
- RoHS compliant
- ADA compliant for wall mount installation
- Tested to IESNA LM-79 and LM-80
- Stated life per TM21 standards
- Can be used for State of California Title 24 high efficacy luminaire

Warranty
- Five year warranty standard www.cooperlighting.com/legal

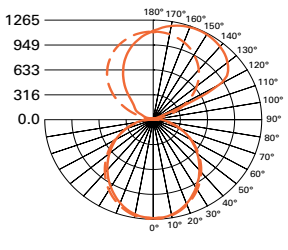
Corelite — Continua SQ Wall - SQW

Photometric Data

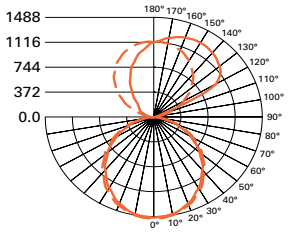
View IES files



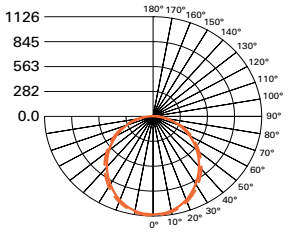
FILE NAME: SQW-F-075U-050D-835-1D-UNV-STD-W-4.IES
CCT/CRI: 3500K / 80CRI
LUMENS: 5077 Lm
WATTS: 37.8 W
EFFICACY: 134.3 Lm/W
TEST NO.: P511786
61% UP / 39% DOWN



FILE NAME: SQW-F-075U-075D-835-1D-UNV-STD-W-4.IES
CCT/CRI: 3500K / 80CRI
LUMENS: 6134 Lm
WATTS: 47.8 W
EFFICACY: 128.3 Lm/W
TEST NO.: P511792
50% UP / 50% DOWN



FILE NAME: SQW-F-075U-100D-835-1D-UNV-STD-W-4.IES
CCT/CRI: 3500K / 80CRI
LUMENS: 7116 Lm
WATTS: 57.2 W
EFFICACY: 124.4 Lm/W
TEST NO.: P511798
43% UP / 57% DOWN



FILE NAME: SQW-F-0U-075D-835-1D-UNV-STD-W-4.IES
CCT/CRI: 3500K / 80CRI
LUMENS: 3043 Lm
WATTS: 27.3 W
EFFICACY: 111.5 Lm/W
TEST NO.: P511822
0% UP / 100% DOWN

Note: Refer to IES files for more product data.

Energy and Performance Data

SQW Performance (80CRI, 3500K)(1)						
Lumen Package	Lumens/ft Up	Lumens/ft Down	Lumens/ft Total	W/ft Total	Lm/W	Distribution (up%/down%)
0U-025D	0	253	253	2.2	113	0%/100%
0U-050D	0	497	497	4.3	115	0%/100%
0U-075D	0	761	761	6.8	111	0%/100%
0U-100D	0	1006	1006	9.2	110	0%/100%
0U-125D	0	1243	1243	11.7	106	0%/100%
025U-025D	252	253	506	4.1	124	50%/50%
025U-050D	252	497	749	6.1	122	34%/66%
025U-075D	252	761	1013	8.7	117	25%/75%
025U-100D	252	1006	1259	11.0	115	20%/80%
025U-125D	252	1243	1495	13.6	110	17%/83%
050U-025D	507	253	760	5.8	131	67%/33%
050U-050D	507	497	1004	7.9	128	51%/49%
050U-075D	507	761	1268	10.4	122	40%/60%
050U-100D	507	1006	1513	12.7	119	34%/66%
050U-125D	507	1243	1750	15.3	114	29%/71%
075U-025D	761	253	1014	7.4	138	75%/25%
075U-050D	761	497	1258	9.4	133	61%/39%
075U-075D	761	761	1522	12.0	127	50%/50%
075U-100D	761	1006	1768	14.3	124	43%/57%
075U-125D	761	1243	2004	16.9	119	38%/62%
100U-025D	977	253	1230	9.0	137	79%/21%
100U-050D	977	497	1474	11.0	134	66%/34%
100U-075D	977	761	1738	13.5	128	56%/44%
100U-100D	977	1006	1984	15.9	125	49%/51%
100U-125D	977	1243	2220	18.4	120	44%/56%

Lumen Adjustment Factors

CCT Multiplier	80 CRI	90 CRI
3000K	0.942	0.795
3500K	1.000	0.843
4000K	0.986	0.881

Example Calculation:
025U-075D / 3500K / 80 CRI
Lumen Output selected = 1013 lms/ft

3500K / 90 CRI Desired
Lumen Adjustment Factor = .795

Adjusted Lumen Output = 1013 lms/ft x .795 = 805 lms/ft

Lumen Maintenance

Ambient Temperature	TM-21 Lumen Maintenance (60,000 hours)	Theoretical L70 (Hours)
25°C	>84%	121,000

Color Data (3500K)

		80CRI	90CRI
TM-30-15	R_f	82.3	90.8
	R_g	97.6	99.5
CRI/CIE	R_a	83.0	95.7
	R_9	13.0	65.9

Note:
(1) For technical data of other configurations please see photometric section on website or click link at top-right.

Corelite — Continua SQ Wall - SQW

Standard Row Configurations

Fixture Length	4'	6'	8'	10'	12'	14'	16'	18'	20'	22'	24'	26'	28'	30'	32'	34'	36'	38'	40'	42'	44'	46'	48'	50'
4'	1			1	1			1	1			1	1			1	1			1	1			1
6'		1		1		1		1		1		1		1		1		1		1		1		1
8'			1		1	1	2	1	2	2	3	2	3	3	4	3	4	4	5	4	5	5	6	5

Fixture Length	52'	54'	56'	58'	60'	62'	64'	66'	68'	70'	72'	74'	76'	78'	80'	82'	84'	86'	88'	90'	92'	94'	96'	98'	100'
4'	1			1	1			1	1			1	1			1	1			1	1			1	1
6'		1		1		1		1		1		1		1		1		1		1		1		1	
8'	6	6	7	6	7	7	8	7	8	8	9	8	9	9	10	9	10	10	11	10	11	11	12	11	12

Companion Offering

SQ4 Suspended

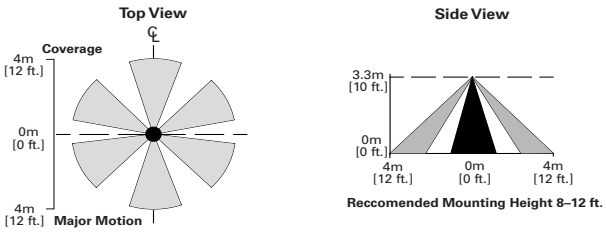
Corelite — Continua SQ Wall - SQW

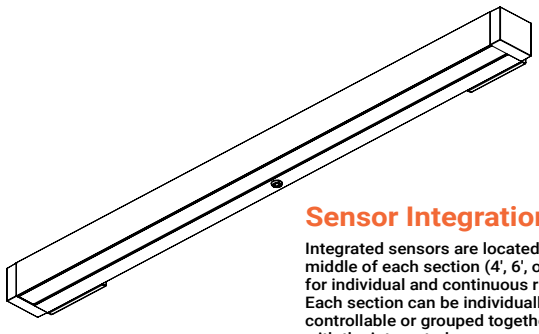
Control Systems

- WaveLinx Wireless
- WaveLinx Wired
- WaveLinx Lite
- Enlighted
- iLumin Plus
- VividTune

Connected Systems CLICK HERE

The Continua SQ Wall with Integrated Sensor technology provides automatic energy savings without sacrificing performance. The SQW delivers superior lighting with integrated occupancy and daylighting controls. For standalone and controlled applications, the WaveLinx Lite integral sensor provides out-of-the-box functionality with no gateways required and factory startup is not needed. When more connectivity is required, the WaveLinx Wireless sensor meets modern code and utility requirements, delivers energy and cost savings, while enabling buildings to become smart buildings. The WaveLinx Wireless Connected Lighting System combined with Trellix provides an open IoT platform and infrastructure that connects intelligent sensors leveraging the real-estate of the physical light fixture to solve higher complexity problems to deliver actionable insights through the aggregation of valuable data.
For additional information integrated sensors and connected lighting, please visit Cooper Lighting Solutions' Connected Lighting Website.





Sensor Integration

Integrated sensors are located in the middle of each section (4', 6', or 8') for individual and continuous runs. Each section can be individually controllable or grouped together with the integrated sensors.

Systems comparison chart

Cooper Lighting Solutions provides many lighting system solutions designed to satisfy code requirements and meet the unique needs of any project.

	Standalone	Controlled WaveLinx Lite	Connected WaveLinx Wireless	Enterprise Trellix
Occupancy	Yes	Yes	Yes	Yes
Daylighting	Yes	Yes	Yes	Yes
Gateways	–	–	1 WAC	300 WACs
Devices	–	50 per Area (1400 per site)	150 per WAC	45,000 per Core Enterprise
Software	–	WaveLinx Lite Mobile App	WaveLinx Mobile App	Trellix Core
Areas	–	28 per Site	16 per WAC	up to 4,800
Zones	–	16 per Area	16 per Area	up to 76,800
Scheduling	–	–	Local	Global
VividTune™	–	–	Yes	Yes
Plug-Load Control	–	–	Yes	Yes
Integration	–	–	–	BACnet, API
Dashboards	–	–	–	Energy, Occupancy
Configuration	–	Installer	Technician	Technician / IT

Corelite — Continua SQ Wall - SQW

Driver Availability

	'STD' 0-10V, UNV Qty of Drivers				'5LT' DALI / 'SR' Qty of Drivers				'LH' Lutron Qty of Drivers				'STD' 0-10V, 347V Qty of Drivers				'W2A' 2Ch WT 0-10V, UNV Qty of Drivers			
Lumen Package	**2'**	**4'**	**6'**	**8'**	**2'**	**4'**	**6'**	**8'**	**2'**	**4'**	**6'**	**8'**	**2'**	**4'**	**6'**	**8'**	**2'**	**4'**	**6'**	**8'**
0U-025D	N/A	1	1	1	N/A	1	1	1	N/A	1	1	1	N/A	1	1	1	N/A	1	1	1
0U-050D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	N/A	1	1	1
0U-075D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
0U-100D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2
0U-125D	1	1	1	2	1	1	1	2	1	1	1	2	1	1	1	2	1	1	2	2
025U-025D	N/A	2	2	2	N/A	2	2	2	N/A	N/A	2	2	N/A	2	2	2	N/A	N/A	2	2
025U-050D	N/A	2	2	2	N/A	2	2	2	N/A	N/A	2	2	N/A	2	2	2	N/A	N/A	2	2
025U-075D	N/A	2	2	2	N/A	2	2	2	N/A	N/A	2	2	N/A	2	2	2	N/A	N/A	2	2
025U-100D	N/A	2	2	2	N/A	2	2	2	N/A	N/A	2	2	N/A	2	2	2	N/A	N/A	3	3
025U-125D	N/A	2	2	3	N/A	2	2	3	N/A	N/A	2	3	N/A	2	2	3	N/A	N/A	3	3
050U-025D	N/A	2	2	2	N/A	2	2	2	N/A	2	2	2	N/A	2	2	2	N/A	2	2	2
050U-050D	2	2	2	2	2	2	2	2	N/A	2	2	2	2	2	2	2	N/A	2	2	2
050U-075D	2	2	2	2	2	2	2	2	N/A	2	2	2	2	2	2	2	N/A	2	2	2
050U-100D	2	2	2	2	2	2	2	2	N/A	2	2	2	2	2	2	2	N/A	2	3	3
050U-125D	2	2	2	3	2	2	2	3	N/A	2	2	3	2	2	2	3	N/A	2	3	3
075U-025D	N/A	2	2	2	N/A	2	2	2	N/A	2	2	2	N/A	2	2	2	N/A	2	2	2
075U-050D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	N/A	2	2	2
075U-075D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	N/A	2	2	2
075U-100D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	N/A	2	3	3
075U-125D	2	2	2	3	2	2	2	3	2	2	2	3	2	2	2	3	N/A	2	3	3
100U-025D	N/A	2	2	2	N/A	2	2	2	N/A	2	2	2	N/A	2	2	2	N/A	2	2	3
100U-050D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	N/A	2	2	3
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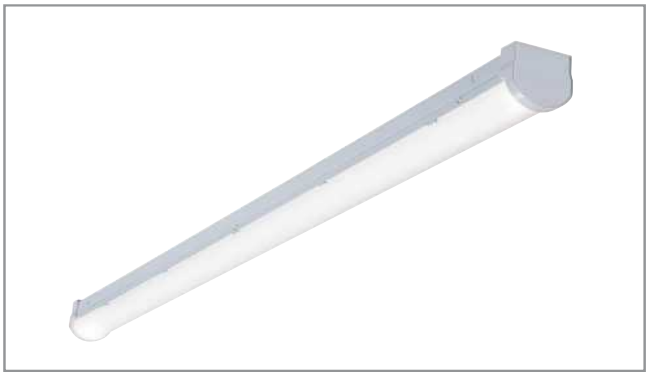
Specifications and dimensions subject to change without notice.

Job Name : JACKSON COUNTY AIRPORT - TERMINAL AREA DEVELOPMENT
Manufacturer : METALUX
Model Number : 4SLSTP2040DD-120V

Type : J

Project		Catalog #		Type	
Prepared by		Notes		Date	



Metalux

SLSTP Lensed LED

Lensed LED Striplight

Typical Applications
Commercial • Industrial • Retail • Residential

Interactive Menu

- Order Information page 2
- Photometric Data page 3
- Control Solutions page 4
- Product Warranty

Product Certification

Product Features

damp location | MWS MODULAR WIRING SYSTEM CLICK HERE | LINEAR DISCONNECT Designed to provide safe and convenient means of disconnecting power | DIMMABLE 0-10V

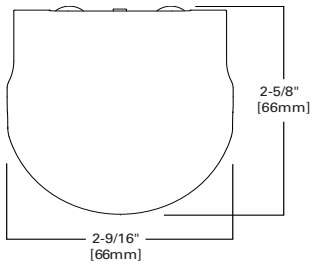
Top Product Features

- From 2800 to 6200 lumens for a 4 foot strip
- 8ft. 4ft. and 2ft. Lengths with single lens (no tandem) to address any application
- Up to 125 LPW and DLC compliant to enable rebates and energy savings
- Frost white polycarbonate lens, linear prisms for even illumination
- 4000K and 5000K CCT, 80 CRI Min

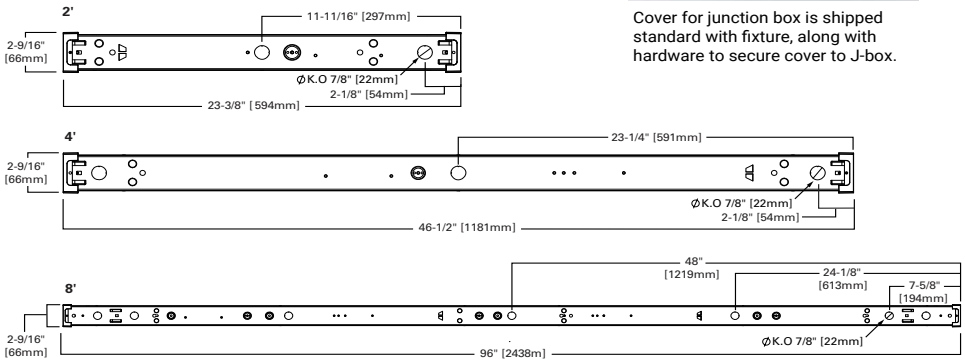
J-box Cover and Endcap included

Cover for junction box is shipped standard with fixture, along with hardware to secure cover to J-box.

Dimensional and Mounting Details



WITH ENDCAP INSTALLED



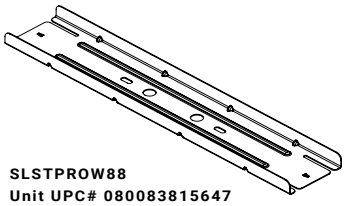
Metalux — SLSTP Lensed

Order Information

Catalog #	UPC	Length	CCT (K)	Delivered Lumens	Watts	Efficacy (lm/W)	Controls	Input Current (A) 120V	Input Current (A) 277V
2SLSTP1040DD-120V	080083705771	2	4000	1390	12	121	Triac Dimming to 10%	0.10	
2SLSTP2040DD-120V	080083705788	2	4000	2680	22	121	Triac Dimming to 10%	0.19	
4SLSTP2040DD-120V	080083705795	4	4000	2830	23	125	Triac Dimming to 10%	0.19	
4SLSTP4040DD-120V	080083705801	4	4000	4980	40	125	Triac Dimming to 10%	0.33	
4SLSTP4040DD-UNV	080083705825	4	4000	5210	38.9	135	0-10V Dimming to 10%	0.32	0.14
4SLSTP5550DD-UNV	080083158959	4	5000	6207	49	126	0-10V Dimming to 10%	0.41	0.18
8SLSTP8040DD-UNV	080083814787	8	4000	9304	76	123	0-10V Dimming to 10%	0.63	0.27
8SLSTP8050DD-UNV	080083158966	8	5000	9922	76	131	0-10V Dimming to 10%	0.63	0.27
8SLSTP11040DD-UNV	080083807680	8	4000	11467	94	122	0-10V Dimming to 10%	0.78	0.34

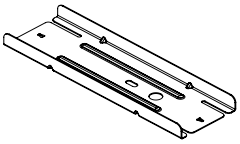
Accessories (Order Separately)

ROW ALIGNER 8' - 8'



SLSTPROW88
Unit UPC# 080083815647
Master Carton UPC# 080083815654
(50 per Master)

ROW ALIGNER 8' - 4'



SLSTPROW842
Unit UPC# 080083815661
Master Carton UPC# 080083815678
(100 per Master)

Mounting
AYC-Chain/Set=36" Hanging Chain Set w/V Hooks
Y-TOGGLE-10-2PK=(2) Y-Toggle Cable Kits at 10FT long (3)
SCF-12-B=12" Fixed Stem Set (specify if another length is needed) (1)

Emergency and Sensor
EBPLED7W=User Installed, Remote Mount, 7 Watt LED Emergency Battery Pack
EBPLED14W=User Installed, Remote Mount, 14 Watt LED Emergency Battery Pack
SLSTP MS00 Kit=Field installable sensor kit, PIR Sensor 100% 50% OFF (5)
SLSTP MS25 Kit=Field installable sensor kit, PIR Sensor 100% 50% Low (~30%) (5)

Wireguard, Row-mount and Lens
WG-SLSTP-4=Wireguard 46.3", nominal 4FT
WG-SLSTP-2=Wireguard 23", nominal 2FT
SLSTPROW88=8ft to 8ft continuous row bracket
SLSTPROW842=8ft to 4ft or 2ft continuous row bracket
2SLSTPLNS=2 ft. Replacement Lens
8SLSTPLNS=8 ft. Replacement Lens

Notes: (1) For stem, order two per fixture.
(2) For approximate delivered lumens multiply the lumens per watt of the desired fixture by the wattage of the emergency battery pack (100 lm/W x 7=700 lumens).
(3) Continuous row mount only between fixtures.
(4) EBP not available at 347V.
(5) Sensor info and coverage on page 5.

Energy and Performance Data

Load Data

	2'	4"	8'
PF	0.99	0.99	0.98
THD%	13.6	12.9	< 20
Weight	2.8	4.6	9
Low Temp. Start	-20°C	-20°C	-20°C

Shipping Data

Catalog Base	Wt.	Unit per Pallet
2SLSTP	2.38 lbs.	144
4SLSTP	4.3 lbs.	72
8SLSTP	9 lbs.	45

Metalux — SLSTP Lensed

Product Specifications

Feature Header
- Fixture channel, cover and end plates are formed from cold rolled steel
- Fixture channel offers all of the features needed for installation including multiple KO, a round J-box cover, wiring connectors and decorative end caps
- Post painted for ease of handling
- Decorative end caps snap-on for an improved aesthetic finish
- Suitable for either single or continuous row applications

Electrical
- Long-Life LED system with an energy-efficient electronic driver comes in UNV (120-277V) or 120V versions
- Both drivers offer smooth dimming with a number of residential and commercial dimmers
- LED's CCT are 3500K and 4000K with a CRI ≥ 80
- Projected life is 50,000 hours at 70% lumen output

Controls
- Standard 0-10V continuous dimming driver works with any standard 0-10V control/dimmer
- Dimming range is 10% to 100% and varies by control device
- 120V drivers work with standard 120V phase cut dimmers

Finish
- Post painted with high reflective paint – standard

Shielding
- Offers a frost lens with decorative end caps for single and end of the row applications

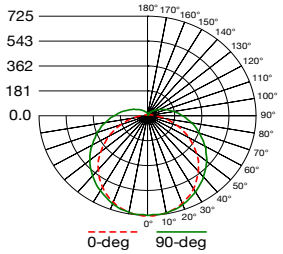
Installation
- May be surface, suspended, or wall mounted
- Multiple 7/8" K.O. on back and one on each end

Compliance
- cULus listed for damp location rated
- LED's comply with IESNA LM-79 and LM-80 standards
- Under 4", ADA Compliant. DesignLights Consortium® Qualified and classified for DLC Standard, refer to www.designlights.org for details
- RoHS compliant
- Suitable for use in closet storage spaces when installed in accordance with NFPA-70 and NEC 410.16 spacing requirements

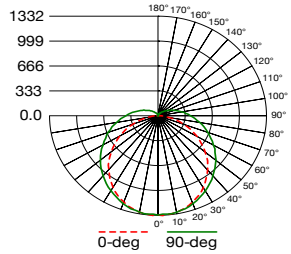
Warranty
- Five year limited warranty

Photometric Data

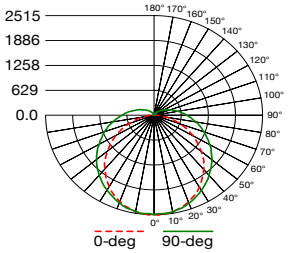
View IES files



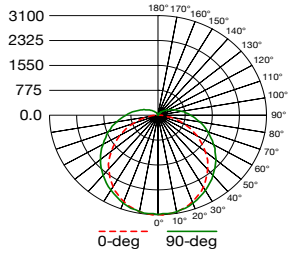
2SLSTP2040DD-120V
Electronic Driver
Linear LED 4000K
Spacing criterion: (II) 1.24 x mounting height, (⊥) 1.30 x mounting height
Lumens: 2680
Input Watts: 22W
Efficacy: 121 LPW
Test Report: 2SLSTP2040DD-120V.IES



4SLSTP4040DD-UNV
Electronic Driver
Linear LED 4000K
Spacing criterion: (II) 1.24 x mounting height, (⊥) 1.30 x mounting height
Lumens: 4925
Input Watts: 40.3W
Efficacy: 120 LPW
Test Report: 4SLSTP4040DD-UNV.IES



8SLSTP8040DD-UNV
Electronic Driver
Linear LED 4000K
Spacing criterion: (II) 1.24 x mounting height, (⊥) 1.30 x mounting height
Lumens: 9304
Input Watts: 75.8W
Efficacy: 123 LPW
Test Report: 8SLSTP8040DD-UNV.IES



8SLSTP11040DD-UNV
Electronic Driver
Linear LED 4000K
Spacing criterion: (II) 1.24 x mounting height, (⊥) 1.30 x mounting height
Lumens: 11463
Input Watts: 93.6W
Efficacy: 122 LPW
Test Report: 8SLSTP11040DD-UNV.IES

Cooper Lighting Solutions
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com

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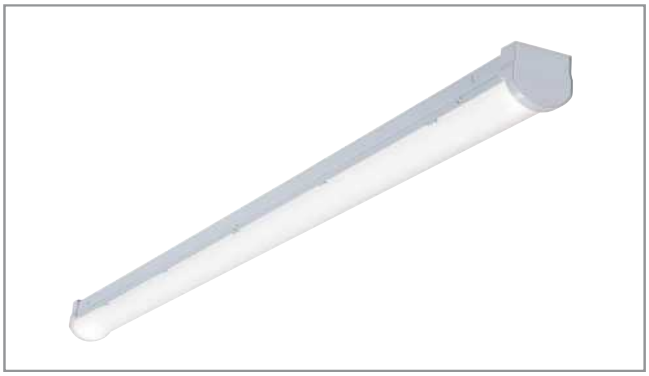
Job Name : JACKSON COUNTY AIRPORT - TERMINAL AREA DEVELOPMENT
Manufacturer : METALUX
Model Number : 4SLSTP2040DD-120V EBPLED14W

Type : JE

Project		Catalog #		Type	
Prepared by		Notes		Date	



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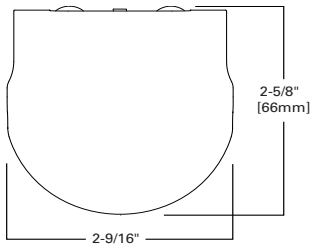
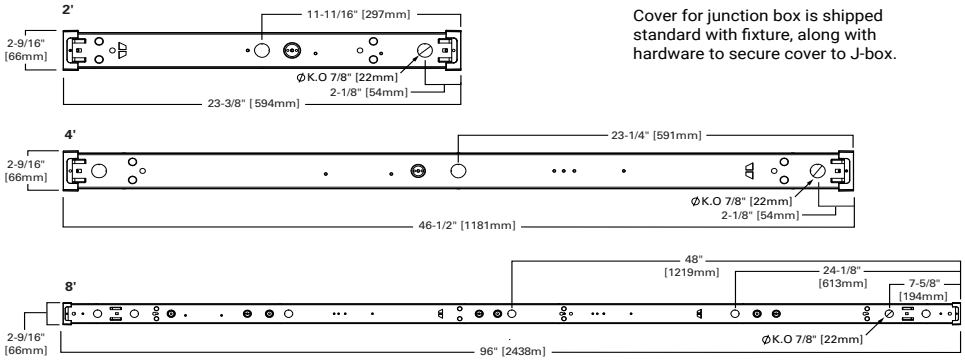


WITH ENDCAP INSTALLED



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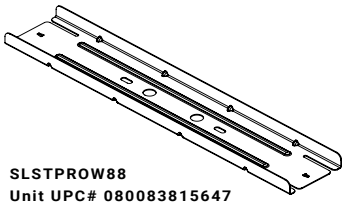

SLSTPROW88
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Master Carton UPC# 080083815654
(50 per Master)

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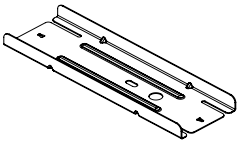

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EBPLED7W=User Installed, Remote Mount, 7 Watt LED Emergency Battery Pack
EBPLED14W=User Installed, Remote Mount, 14 Watt LED Emergency Battery Pack
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Energy and Performance Data

Load Data

	2'	4"	8'
PF	0.99	0.99	0.98
THD%	13.6	12.9	< 20
Weight	2.8	4.6	9
Low Temp. Start	-20°C	-20°C	-20°C

Shipping Data

Catalog Base	Wt.	Unit per Pallet
2SLSTP	2.38 lbs.	144
4SLSTP	4.3 lbs.	72
8SLSTP	9 lbs.	45

Job Name : JACKSON COUNTY AIRPORT - TERMINAL AREA DEVELOPMENT
Manufacturer : METALUX
Model Number : 4SLSTP2040DD-120V EBPLED14W

Type : JE

Metalux — SLSTP Lensed

Product Specifications

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- Standard 0-10V continuous dimming driver works with any standard 0-10V control/dimmer
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- 120V drivers work with standard 120V phase cut dimmers

Finish
- Post painted with high reflective paint – standard

Shielding
- Offers a frost lens with decorative end caps for single and end of the row applications

Installation
- May be surface, suspended, or wall mounted
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- cULus listed for damp location rated
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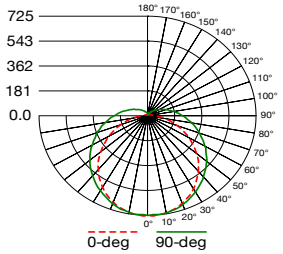
- Suitable for use in closet storage spaces when installed in accordance with NFPA-70 and NEC 410.16 spacing requirements

Warranty
- Five year limited warranty

Photometric Data

View IES files



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Linear LED 4000K
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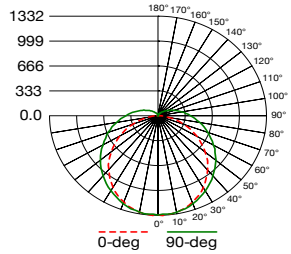
Lumens: 2680
Input Watts: 22W
Efficacy: 121 LPW
Test Report: 2SLSTP2040DD-120V.IES



4SLSTP4040DD-UNV
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Lumens: 4925
Input Watts: 40.3W
Efficacy: 120 LPW
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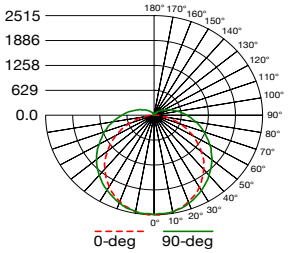

8SLSTP8040DD-UNV
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Linear LED 4000K
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Efficacy: 123 LPW
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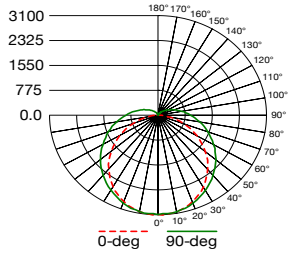

8SLSTP11040DD-UNV
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Input Watts: 93.6W
Efficacy: 122 LPW
Test Report: 8SLSTP11040DD-UNV.IES

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SPECIFICATION GUIDE

EDGESlot4 Recessed

4” Edge-Lit Linear LED T-Bar Ceiling & Drywall Mount

Fixture Mounted or Remote Driver

Features & Benefits

Exceptional Performance
Up to 1,000 lm/ft, 135 lm/W efficacy

Wide Range of LED Selections
Static, Tunable White, and Dim-to-Warm

Designed with Options
Wide choice of SmartOptic® lenses, beam distributions, 80/90/95+ CRI, 2200K to 5000K CCT, and 0-10V, DALI, DMX, and TRIAC dimming

Patented Innovations
Fusion® Optix Inside with unique SmartBeam® capabilities

Proprietary Optical Components
Provides excellent light distribution and high-transmission

Committed to Sustainability
Declare Listed and Red Free List materials

Compliance
UL Listed, Dry and Damp Locations

5-Year Warranty
Standard 5-year warranty, 50,000 hours

Designed & Built in BOSTON

Declare

Red List Free

EDGESlot4 Recessed

SPECIFICATION GUIDE

FIXTURE ORDERING

Project Name

Fixture Type

1) FIXTURE DESIGN

PRODUCT	MOUNTING	FLANGE STYLE	LENGTH	FINISH	OPTIC
ESL4-R			12'		

PRODUCT		MOUNTING		FLANGE STYLE		LENGTH		FINISH		OPTIC	
4" Edge-Lit Linear LED Drywall Mount		**DW**	Drywall	**F1**	9/16" Flat	**2**	2'	**MWH**	Matte White (RAL9003)	**OFL**	Flush Lens
		T1	9/16" Flat T-Bar	**F2**	9/16" Bolt-Slot	**4**	4'	**MBK**	Matte Black (RAL9005)	**ORL**	Regressed Lens
		T2	9/16" Bolt-Slot T-Bar			**6**	6'	**MGR**	Matte Gray (RAL7001)		
		T3	15/16" Flat T-Bar			**8**	8'	**CAE**	Clear Anodized Effect		
						10	10'	**RAL_**	Specify RAL#		
		X_	Specify Mounting Type			**X_**	Specify X', Y"				

2) LED LIGHT ENGINE

CRI		CCT		DIRECT BEAM PATTERN		DIRECT OUTPUT	
S80	Std. 80 CRI	**22**	2200K	**DLAM**	Lambertian	**35**	350 lm/ft
S90	Std. 90 CRI	**27**	2700K	**DBW65**	Batwing 65°	**50**	500 lm/ft
HE80	High-Eff. 80 CRI	**30**	3000K	**DA5025**	Asymmetric 50° at 25° Tilt	**75**	750 lm/ft
HE90	High-Eff. 90 CRI	**35**	3500K	**X_**	Specify Beam	**100**	1,000 lm/ft
HD95	High-Def. 95 CRI	**40**	4000K			**O_**	Specify lm/ft
SUN	Full SunLike	**50**	5000K				
SBIOS	Static BIOS	**3022D**	3000K to 2200K Dim-to-Warm				
DBIOS	Dynamic BIOS	**3527D**	3500K to 2700K Dim-to-Warm				
TBIOS	Tunable White BIOS	**X_**	Specify CCT				

3) FIXTURE POWER & CONTROLS

LINE VOLTAGE (DC)		DRIVER LOCATION		DRIVER (POWER)		REMOTE DRIVER BOX[1]		EMERGENCY BACKUP		CONTROL SYSTEM[3]	
UNV	120/277V	**FMD**	Fixture Mounted Driver	**FDND**	Factory Non-Dimming	**NN**	Not Needed	**NN**	Not Needed	**NN**	Not Needed
347	347V	**RD**	Remote Driver	**FD01**	Factory 0-10V 1% Dim	**RLDB[2]**	Remote Linear Driver Box (driver included by default)	**EMC**	Emergency Circuit	**LUT**	Lutron
				FD10	Factory 0-10V 10% Dim			**EMB10**	Emergency Battery (10 W — On-board or Remote)	**COO**	Cooper
				FDDA	Factory DALI 0.1% Dim					**CAS**	Casambi
				FDDX	Factory DMX Dim					**X_**	Specify Control System
				FDTR	Factory TRIAC Dim	**RX2D[2]**	Optional Remote XBox2 Driver, Up to 2 Drivers				
				LD01	Lutron Hi-Lume 1% Dim						
				LD05	Lutron 5-Series 5% Dim						
				ED00	eldoLED 0-10V 0.1% Dim	**RX3D[2]**	Optional Remote XBox3 Driver, Up to 3 Drivers				
				ED01	eldoLED 0-10V 1% Dim			**X_**	Specify Backup		
				EDDA	eldoLED DALI 0.1% Dim						
				X_	Specify Driver	**RX5D[2]**	Optional Remote XBox5 Driver, Up to 5 Drivers				

Footnotes: [1] Remote distance is dependent on driver type, up to 100' (30.5 m). [2] Creates a clean and organized power solution for multiple fixture installations.
[3] The control system and driver must be compatible.

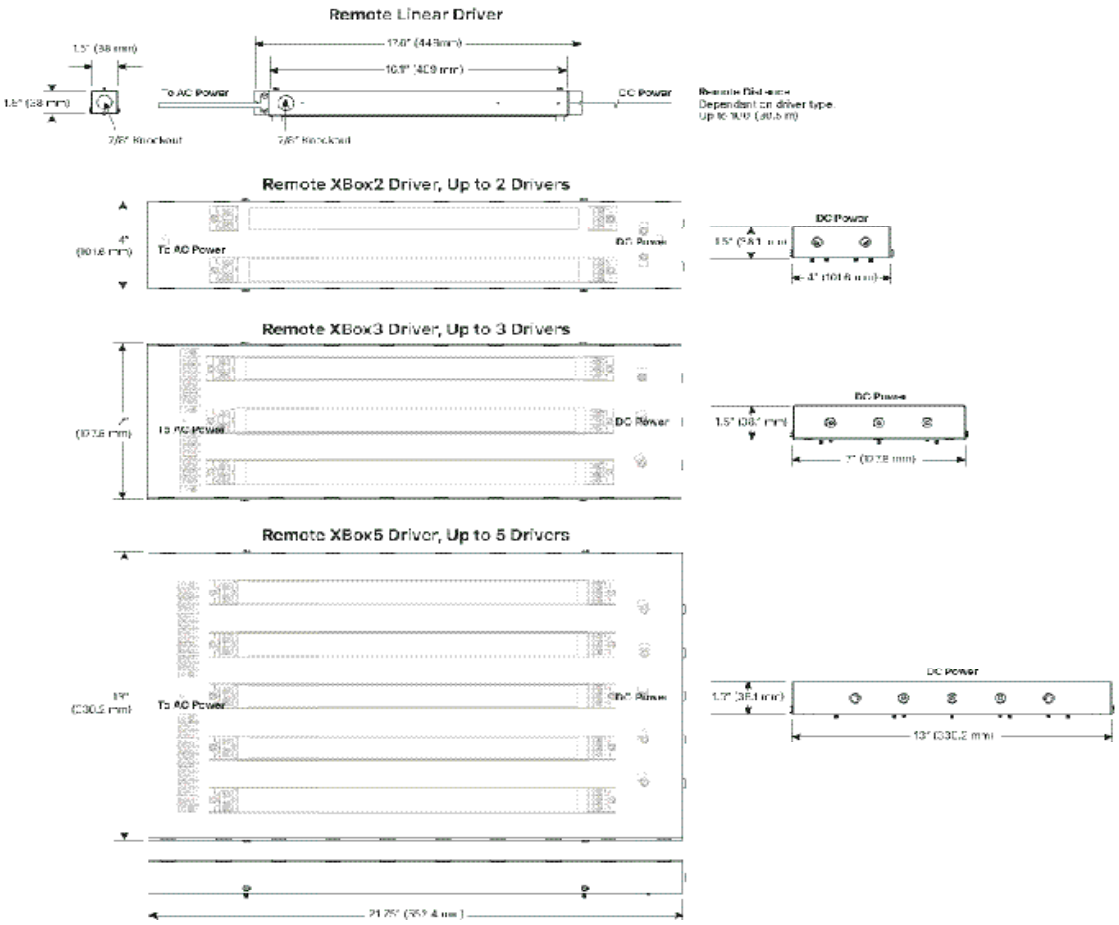
EDGESlot4 Recessed

Project Name	
Fixture Type	

NOTES

REMOTE DRIVER BOX

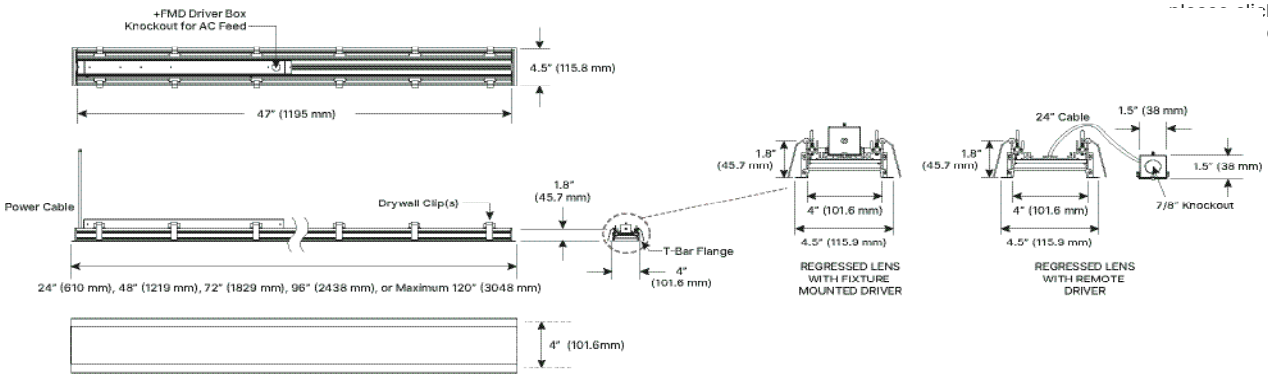
Dimensions



FIXTURE DESIGN

Dimensions

To download BIM (Revit) Files, please click or Code.



Length

Length Options 2', 4', 6', 8', 10' nominal, or custom within 3"

Finish

Housing Colors (Matte Finish)

White (RAL9003) | Black (RAL9005) | Gray (RAL7001) | Clear Anodized Effect | Custom RAL

Housing Material 6063-T5 extruded, recycled aluminum

Mounting Brackets Sheet metal

Optic

Lens Option Regressed

Lens Material Patented SmartOptics® made from Acrylic (PMMA)

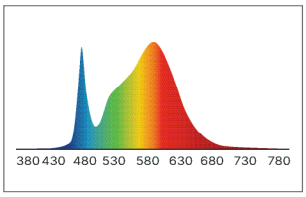
Voltage

Fixture Voltage (AC) 120–277 VAC and 347 VAC, 50/60 Hz

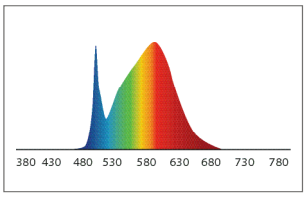
EDGESlot4 Recessed

LED SELECTION GUIDE

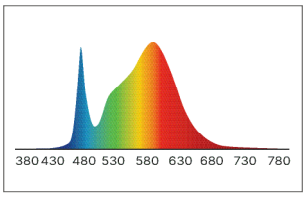
S80: Standard 80+ CRI



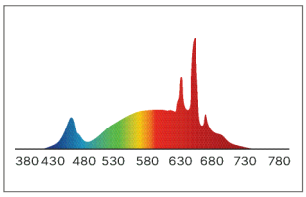
S90: Standard 90+ CRI



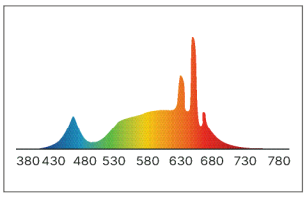
HE80: High-Efficiency 80+ CRI



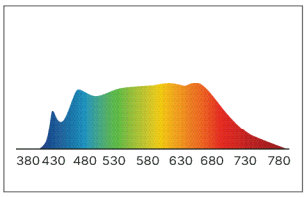
HE90: High-Efficiency 90+ CRI



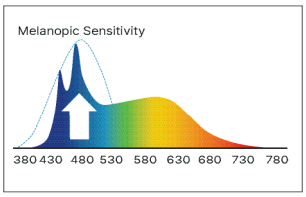
HD95: High-Definition 95+ CRI



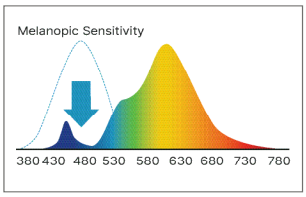
SUN: Full Spectrum "SunLike"



HCD: Human Centric Day



HCN: Human Centric Night



Static White Light (LED Light Engine Only)

CODE	DESCRIPTION	TYPICAL LED DATA							
		CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	M/P Ratio	LPW
S80	Standard 80 CRI	3500K	82.5	7.8	84	96.7	82.5	0.51	190
S90	Standard 90 CRI	3500K	91	54.3	89.3	98.9	89.2	0.55	175
HE80	High Efficiency 80 CRI	3500K	82.1	5.9	83	94.2	81.2	0.52	210
HE90	High Efficiency 90 CRI	3500K	92.2	90	90.7	103.8	92.1	0.56	190
HD95	High Definition 95 CRI	3500K	97.1	95	–	–	–	0.70	163
SUN	Full Spectrum SunLike®	3500K	95	85	–	–	–	–	130
HCD	Human Centric Day	4000K	83	95	–	–	–	0.92	155
HCN	Human Centric Night	2700K	80	–	–	–	–	0.44	134

LPW Efficacy Conversion Chart

CODE	CCT SELECTED							
	2200K	2700K	3000K	3500K	4000K	5000K	5700K	6500K
S80	–	0.91	0.96	1.00	1.04	1.11	1.11	1.11
S90	–	0.91	0.96	1.00	1.04	1.11	1.11	1.11
HE80	–	0.96	0.99	1.00	1.03	1.04	1.03	1.03
HE90	–	0.91	0.96	1.00	1.04	1.11	N/A	N/A
HD95	–	0.91	0.96	1.00	1.04	1.11	1.03	1.04
SUN95	–	0.90	0.92	1.00	1.01	1.07	1.04	1.05
HCD	–	N/A	0.96	1.00	1.04	1.04	1.04	1.04
HCN	–	0.87	0.96	1.00	1.04	N/A	N/A	N/A

EDGESlot4 Recessed

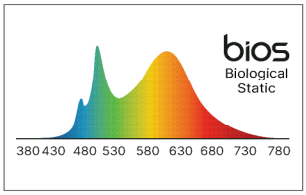
BIOS TECHNOLOGY

Choosing Your BIOS Solution

BIOS is offered in four Circadian LED Solutions with BIOS SkyBlue Technology — Biological Static, Biological Dynamic, Biological Tunable, and Biological Dim-to-Warm. BIOS SkyBlue™ Technology includes a blue peak at 490nm that provides an effective daytime circadian signal using standard architectural color temperatures.

To learn more about BIOS Technology, please click or scan the QR Code.

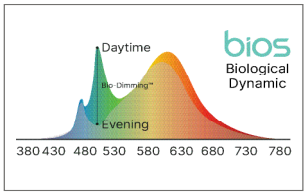
BIOS Static



Daytime
No color change when dimmed

Spaces that operate during daytime hours — 7am and 7pm

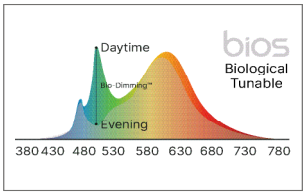
BIOS Dynamic



Daytime & Evening
500K shift when dimmed

Spaces that operate overnight — after 7pm and before 7am

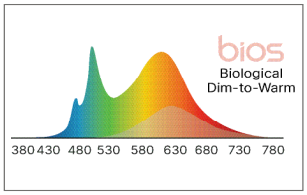
BIOS Tunable



Daytime & Evening
Dims to 2700K

Spaces that operate with overnight shifts — after 7pm and before 7am

BIOS Dim-to-Warm



Daytime & Evening
Dims from cool to warm

Spaces where people sleep — after 7pm and before 7am

Circadian and Human Centric Light

		BIO-DIMMING MODULE TECHNOLOGY GUIDE					
CODE	**DESCRIPTION**	**Driver**	**Driver Voltage**	**CCT**	**Requires BIO-Dimming Module**	**Lighting Control**	**BIOS SkyBlue (490nm)**
SBIOS	BIOS Static	DIM1	0-10V Dimming to 1% Dim-to-Dark	No CCT Change	No	Intensity Dimming Control Only	Always Present
DBIOS	BIOS Dynamic	BIODIM1	0-10V Intensity Dimming to 1% Dim-to-Dark	500K Shift	Yes	Intensity Dimming & Spectrum Change Controlled Together	Removed with BIO-Dimming
DBIOS-2	BIOS Dynamic (Two Channel)				No	Intensity Dimming & Spectrum Change Controlled Separately	Removed by Adjusting "Spectrum Channel"
TBIOS	BIOS Tunable	ATW / DTW	0-10V Control of Intensity & CCT on Separate 2 Channels / DALI Control of Intensity & CCT on Separate 2 Channels	Dims to 2700K	Yes	Intensity Dimming & Spectrum Change Controlled Together	Removed with BIO-Dimming
TBIOS-2	BIOS Tunable (Two Channel)				No	Intensity Dimming & Spectrum Change Controlled Separately	Removed by Adjusting "Spectrum Channel"
DWBIOS	BIOS Dim-to-Warm	–	–	Dims to 2200K	Yes	Intensity Dimming & Spectrum Change Controlled Together	Removed with BIO-Dimming
DWBIOS-2	BIOS Dim-to-Warm (Two Channel)				No	Intensity Dimming & Spectrum Change Controlled Separately	Removed by Adjusting "Spectrum Channel"

EDGESlot4 Recessed

SMARTBEAM® TECHNOLOGY

The Ultimate Control of Lighting Distributions

SmartBeam makes it easy to specify the exact light required for any architectural space. Available in every XICO product; it is now possible to create truly tailored and engaging lighting that transform spaces, improves visual comfort, and saves energy.

To learn more about our SmartBeam Technology, please click or scan the QR Code.

FIXTURE POWER & CONTROLS

Voltage

LED Driver	Factory Selected, 36–39V Constant Current

Emergency Backup

Backup Types	Emergency Circuit, Emergency Battery Onboard or Remote, and other emergency backups are available
Wiring	Typically the Emergency Backup is wired to 48” sections
Power	10 W
Illumination Time	90 minutes

Partners

LUTRON COOPER CASAMBI eldoLED

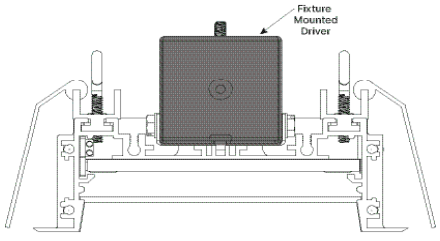
Control Systems

Other	Factory Non-Dimming, Factory 0-10V 1% Dim, Factory 0-10V 10% Dim, Factory DALI 0.1% Dim, Factory DMX Dim, Factory TRIAC Dim, eldoLED 0-10V 0.1% Dim, eldoLED 0-10V 1% Dim, eldoLED DALI 0.1% Dim, and other drivers are available, consult factory (not all integral)
Lutron	Hi-Lume 1% Dimming and 5-Series 5% Dimming
Cooper	Compatible driver
Casambi (wireless)	Compatible driver

Drivers (Remote Drivers Sold Separately)

XBox

Remote Driver Boxes (Optional)	To create a clean and organized power solution for multiple fixture installations see our XBox Specification Guide. Reach out to a XICO Sales Representative to discuss you projects needs.



Fixture Mounted Drivers mount on top of the fixture. They provide 0-10V, DALI, DMX, and TRIAC dimming. Also compatible with Cooper and other common building control systems, including PoE and wireless.

EDGESlot4 Recessed

STANDARDS & CERTIFICATIONS

Declare Listed

Declare labels provide a quick and reliable way to make choices about the environmental footprint and safety of the product. Declare is internationally recognized and the labels can be found on the product, product packaging, or company website. Visit **xicoled.com** for Declare Listed details.

Red List Free

An industry standard certification for LED lighting products based on the International Living Future Institute (ILFI). These products only use materials based on the “Red List of Toxic Chemicals” (a list of chemicals and materials known to be hazardous to people and/or the Earth) that are safe, healthy, and environmentally sustainable.

Certifications

Compliance	BAA & TAA compliant in-house manufacturing in Boston, MA with North American supply chain
Certifications	UL LISTED, CSA, RoHS 2002/95/EC, IC RATED
Sustainability	Declare Listed and Red List Free
Packaging	Low carbon, environmentally conscious packaging and shipping methods

Environmental Suitability

IP Rating	Suitable for Dry and Damp Locations, indoor use only
Recyclable	SmartOptics and all powder coated and anodized parts are fully recyclable at end of life

Reliability

Manufacturing	All XICO products and associated optics and LED engines are assembled at our factory in Woburn, MA
Quality Assurance	Each product is engineered reliability and quality assurance tested

Warranty & Terms

5-YR Warranty **Business Terms**

For details on our warranty and business terms, please click or scan the QR Code.

EDGESlot4 Recessed

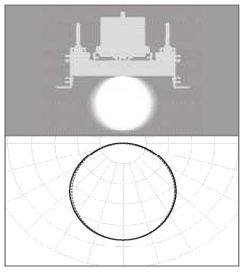
SPECIFICATION GUIDE

OPTIC	BEAM PATTERN		
	DLAM	DBW65	DA5025
Regressed Lens	●	●	●

DIRECT PHOTOMETRICS

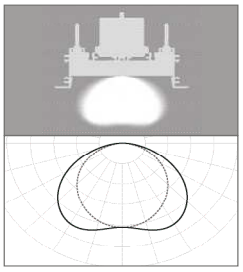
Static White Light

DLAM: Lambertian



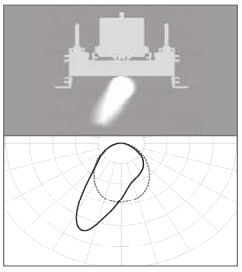
Length	48”
LED	HE80
CRI/CCT	80+/3500K
Lumens	3,000
lm/ft	746
Watts	27
W/ft	6.8
LPW	110

DBW65: Batwing 65°



Length	48”
LED	HE80
CRI/CCT	80+/3500K
Lumens	3,000
lm/ft	743
Watts	27
W/ft	6.8
LPW	109

DA5025: Asymmetric 50° at 25° Tilt



Length	48”
LED	HE80
CRI/CCT	80+/3500K
Lumens	3,000
lm/ft	738
Watts	10.5
W/ft	5.3
LPW	141

PATENTS & TRADEMARKS

To learn more about our unique technologies, please click or scan the QR Code.

Utility Patents

United States	US11543582, US11520097, US11512466, US11441749, US11396751, US11333822, US11163104, US11156762, US10852466, US10068447, US8953926, US8948564, US8911099, US8876348, US8794812, US8783898, US8761565, US8750671, US8721152, US8619363, US8430548, US8408775, US8249408, US8231256, US8177408, US8033706, US8033674, US7991257, US7914192, US7784954, US7758227, US7722224, US7542635, US7453636, US7453635, US7431489, US7408707, US7278775, US6369944, US6346311, US6123877, US5932342, US5837346, US20220373144, US20220372752, US20220364708, US20220357006, US20220357005, US20220342141, US20220290432, US20220206210A1, US20220171119A1, US20220171115A1, US20220162856A1, US20220162853A1, US20220146063A1, US20220137287, US20210301991A1, US20200355345A1, US20200217071A1, US20220333765A1, US20220228366A1, US20220196906A1, US20220010554A1, US20080043490A1, US20060290253A1, US20060215958A1, US20120321247, US20120250330, US20120099204
Canada	CA2702600, CA2702685, CA2702690
France	FREP0800658
Germany	DEEP0800658
Great Britain	GB2492541, GB2492542, GBEP0800658, GB2492398
Japan	JP03958359
Netherlands	NLEP0800658
Taiwan	FTW360813B
European Patent Organization	EP0843203, EP0843203

Design Patents

United States	USD719282, USD717973, USD669606, USD669608, USD669609, USD669614, USD663056

The Patent Corporation Treaty

World Intellectual Property Organization	WO2015200268

Trademarks

United States	US6672871, US6397231, US6373493, US6257728, US6190558, US6190559, US6142905, US6114408, US6038234, US6025279, US6060740, US6257729, US5856164, US5734112, US5543304, US5309290, US5309315, US4691124, US4640751

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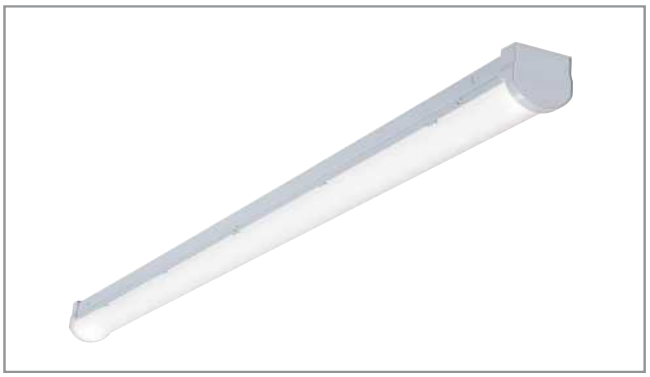
Job Name : JACKSON COUNTY AIRPORT - TERMINAL AREA DEVELOPMENT
Manufacturer : METALUX
Model Number : 4SLSTP2040DD-120V

Type : L

Project		Catalog #		Type	
Prepared by		Notes		Date	



Metalux

SLSTP Lensed LED

Lensed LED Striplight

Typical Applications
Commercial • Industrial • Retail • Residential

Interactive Menu

- Order Information page 2
- Photometric Data page 3
- Control Solutions page 4
- Product Warranty

Product Certification

Product Features

damp location | MWS MODULAR WIRING SYSTEM CLICK HERE | LINEAR DISCONNECT Designed to provide safe and convenient means of disconnecting power | DIMMABLE 0-10V

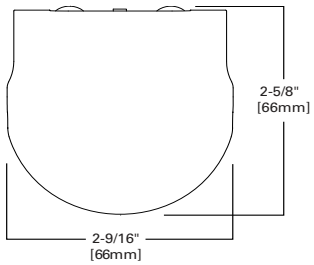
Top Product Features

- From 2800 to 6200 lumens for a 4 foot strip
- 8ft. 4ft. and 2ft. Lengths with single lens (no tandem) to address any application
- Up to 125 LPW and DLC compliant to enable rebates and energy savings
- Frost white polycarbonate lens, linear prisms for even illumination
- 4000K and 5000K CCT, 80 CRI Min

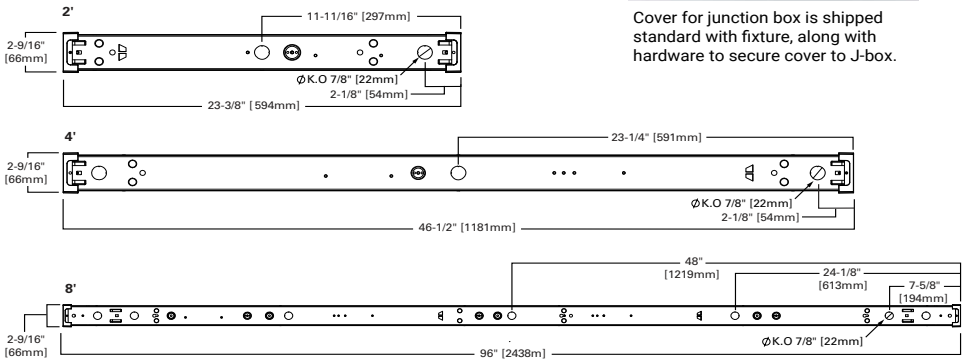
J-box Cover and Endcap included

Cover for junction box is shipped standard with fixture, along with hardware to secure cover to J-box.

Dimensional and Mounting Details



WITH ENDCAP INSTALLED



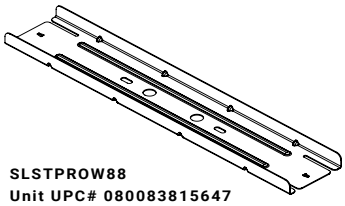
Metalux — SLSTP Lensed

Order Information

Catalog #	UPC	Length	CCT (K)	Delivered Lumens	Watts	Efficacy (lm/W)	Controls	Input Current (A) 120V	Input Current (A) 277V
2SLSTP1040DD-120V	080083705771	2	4000	1390	12	121	Triac Dimming to 10%	0.10	
2SLSTP2040DD-120V	080083705788	2	4000	2680	22	121	Triac Dimming to 10%	0.19	
4SLSTP2040DD-120V	080083705795	4	4000	2830	23	125	Triac Dimming to 10%	0.19	
4SLSTP4040DD-120V	080083705801	4	4000	4980	40	125	Triac Dimming to 10%	0.33	
4SLSTP4040DD-UNV	080083705825	4	4000	5210	38.9	135	0-10V Dimming to 10%	0.32	0.14
4SLSTP5550DD-UNV	080083158959	4	5000	6207	49	126	0-10V Dimming to 10%	0.41	0.18
8SLSTP8040DD-UNV	080083814787	8	4000	9304	76	123	0-10V Dimming to 10%	0.63	0.27
8SLSTP8050DD-UNV	080083158966	8	5000	9922	76	131	0-10V Dimming to 10%	0.63	0.27
8SLSTP11040DD-UNV	080083807680	8	4000	11467	94	122	0-10V Dimming to 10%	0.78	0.34

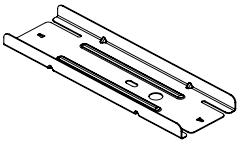
Accessories (Order Separately)

ROW ALIGNER 8' - 8'



SLSTPROW88
Unit UPC# 080083815647
Master Carton UPC# 080083815654
(50 per Master)

ROW ALIGNER 8' - 4'



SLSTPROW842
Unit UPC# 080083815661
Master Carton UPC# 080083815678
(100 per Master)

Mounting
AYC-Chain/Set=36" Hanging Chain Set w/V Hooks
Y-TOGGLE-10-2PK=(2) Y-Toggle Cable Kits at 10FT long (3)
SCF-12-B=12" Fixed Stem Set (specify if another length is needed) (1)

Emergency and Sensor
EBPLED7W=User Installed, Remote Mount, 7 Watt LED Emergency Battery Pack
EBPLED14W=User Installed, Remote Mount, 14 Watt LED Emergency Battery Pack
SLSTP MS00 Kit=Field installable sensor kit, PIR Sensor 100% 50% OFF (5)
SLSTP MS25 Kit=Field installable sensor kit, PIR Sensor 100% 50% Low (~30%) (5)

Wireguard, Row-mount and Lens
WG-SLSTP-4=Wireguard 46.3", nominal 4FT
WG-SLSTP-2=Wireguard 23", nominal 2FT
SLSTPROW88=8ft to 8ft continuous row bracket
SLSTPROW842=8ft to 4ft or 2ft continuous row bracket
2SLSTPLNS=2 ft. Replacement Lens
8SLSTPLNS=8 ft. Replacement Lens

Notes: (1) For stem, order two per fixture.
(2) For approximate delivered lumens multiply the lumens per watt of the desired fixture by the wattage of the emergency battery pack (100 lm/W x 7=700 lumens).
(3) Continuous row mount only between fixtures.
(4) EBP not available at 347V.
(5) Sensor info and coverage on page 5.

Energy and Performance Data

Load Data

	2'	4"	8'
PF	0.99	0.99	0.98
THD%	13.6	12.9	< 20
Weight	2.8	4.6	9
Low Temp. Start	-20°C	-20°C	-20°C

Shipping Data

Catalog Base	Wt.	Unit per Pallet
2SLSTP	2.38 lbs.	144
4SLSTP	4.3 lbs.	72
8SLSTP	9 lbs.	45

Metalux — SLSTP Lensed

Product Specifications

Feature Header
- Fixture channel, cover and end plates are formed from cold rolled steel
- Fixture channel offers all of the features needed for installation including multiple KO, a round J-box cover, wiring connectors and decorative end caps
- Post painted for ease of handling
- Decorative end caps snap-on for an improved aesthetic finish
- Suitable for either single or continuous row applications

Electrical
- Long-Life LED system with an energy-efficient electronic driver comes in UNV (120-277V) or 120V versions
- Both drivers offer smooth dimming with a number of residential and commercial dimmers
- LED's CCT are 3500K and 4000K with a CRI ≥ 80
- Projected life is 50,000 hours at 70% lumen output

Controls
- Standard 0-10V continuous dimming driver works with any standard 0-10V control/dimmer
- Dimming range is 10% to 100% and varies by control device
- 120V drivers work with standard 120V phase cut dimmers

Finish
- Post painted with high reflective paint – standard

Shielding
- Offers a frost lens with decorative end caps for single and end of the row applications

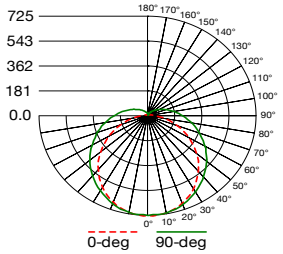
Installation
- May be surface, suspended, or wall mounted
- Multiple 7/8" K.O. on back and one on each end

Compliance
- cULus listed for damp location rated
- LED's comply with IESNA LM-79 and LM-80 standards
- Under 4", ADA Compliant. DesignLights Consortium® Qualified and classified for DLC Standard, refer to www.designlights.org for details
- RoHS compliant
- Suitable for use in closet storage spaces when installed in accordance with NFPA-70 and NEC 410.16 spacing requirements

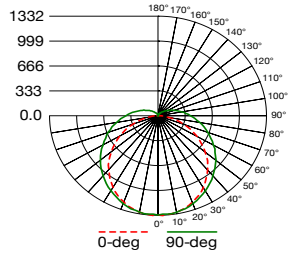
Warranty
- Five year limited warranty

Photometric Data

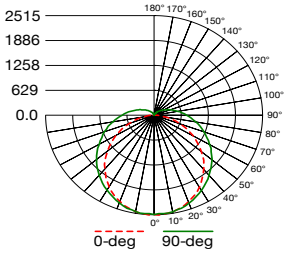
View IES files



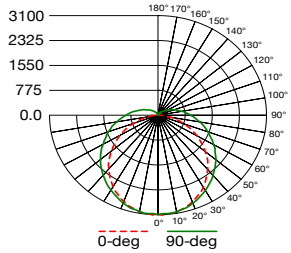
2SLSTP2040DD-120V
Electronic Driver
Linear LED 4000K
Spacing criterion: (II) 1.24 x mounting height, (⊥) 1.30 x mounting height
Lumens: 2680
Input Watts: 22W
Efficacy: 121 LPW
Test Report: 2SLSTP2040DD-120V.IES



4SLSTP4040DD-UNV
Electronic Driver
Linear LED 4000K
Spacing criterion: (II) 1.24 x mounting height, (⊥) 1.30 x mounting height
Lumens: 4925
Input Watts: 40.3W
Efficacy: 120 LPW
Test Report: 4SLSTP4040DD-UNV.IES



8SLSTP8040DD-UNV
Electronic Driver
Linear LED 4000K
Spacing criterion: (II) 1.24 x mounting height, (⊥) 1.30 x mounting height
Lumens: 9304
Input Watts: 75.8W
Efficacy: 123 LPW
Test Report: 8SLSTP8040DD-UNV.IES



8SLSTP11040DD-UNV
Electronic Driver
Linear LED 4000K
Spacing criterion: (II) 1.24 x mounting height, (⊥) 1.30 x mounting height
Lumens: 11463
Input Watts: 93.6W
Efficacy: 122 LPW
Test Report: 8SLSTP11040DD-UNV.IES

Cooper Lighting Solutions
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com

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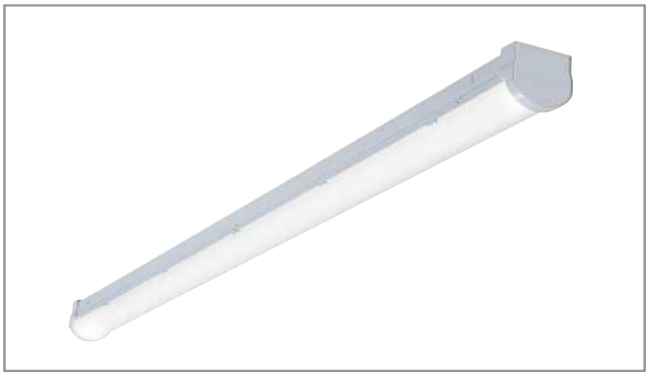
Specifications and dimensions subject to change without notice.

Job Name : JACKSON COUNTY AIRPORT - TERMINAL AREA DEVELOPMENT
Manufacturer : METALUX
Model Number : 4SLSTP2040DD-120V AYC-CHAIN/SET-U EBPLED14W

Type : LE

Project		Catalog #		Type	
Prepared by		Notes		Date	



Metalux

SLSTP Lensed LED

Lensed LED Striplight

Typical Applications
Commercial • Industrial • Retail • Residential

Interactive Menu

- Order Information page 2
- Photometric Data page 3
- Control Solutions page 4
- Product Warranty

Product Certification

Product Features

damp location | MWS MODULAR WIRING SYSTEM CLICK HERE | LINEAR DISCONNECT Designed to provide safe and convenient means of disconnecting power | DIMMABLE 0-10V

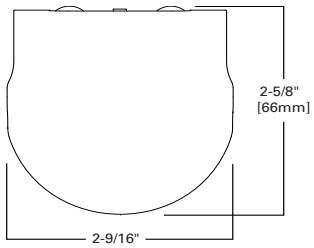
Top Product Features

- From 2800 to 6200 lumens for a 4 foot strip
- 8ft. 4ft. and 2ft. Lengths with single lens (no tandem) to address any application
- Up to 125 LPW and DLC compliant to enable rebates and energy savings
- Frost white polycarbonate lens, linear prisms for even illumination
- 4000K and 5000K CCT, 80 CRI Min

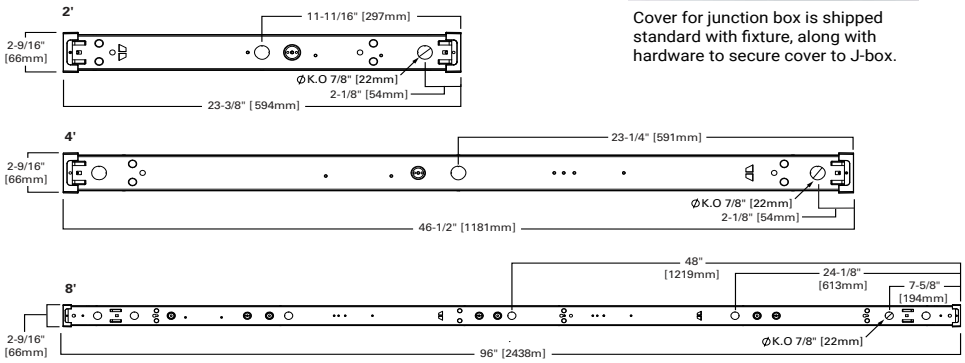
J-box Cover and Endcap included

Cover for junction box is shipped standard with fixture, along with hardware to secure cover to J-box.

Dimensional and Mounting Details



WITH ENDCAP INSTALLED



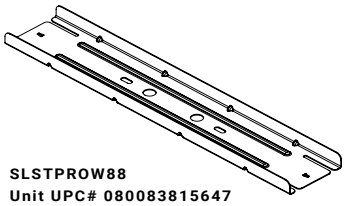
Metalux — SLSTP Lensed

Order Information

Catalog #	UPC	Length	CCT (K)	Delivered Lumens	Watts	Efficacy (lm/W)	Controls	Input Current (A) 120V	Input Current (A) 277V
2SLSTP1040DD-120V	080083705771	2	4000	1390	12	121	Triac Dimming to 10%	0.10	
2SLSTP2040DD-120V	080083705788	2	4000	2680	22	121	Triac Dimming to 10%	0.19	
4SLSTP2040DD-120V	080083705795	4	4000	2830	23	125	Triac Dimming to 10%	0.19	
4SLSTP4040DD-120V	080083705801	4	4000	4980	40	125	Triac Dimming to 10%	0.33	
4SLSTP4040DD-UNV	080083705825	4	4000	5210	38.9	135	0-10V Dimming to 10%	0.32	0.14
4SLSTP5550DD-UNV	080083158959	4	5000	6207	49	126	0-10V Dimming to 10%	0.41	0.18
8SLSTP8040DD-UNV	080083814787	8	4000	9304	76	123	0-10V Dimming to 10%	0.63	0.27
8SLSTP8050DD-UNV	080083158966	8	5000	9922	76	131	0-10V Dimming to 10%	0.63	0.27
8SLSTP11040DD-UNV	080083807680	8	4000	11467	94	122	0-10V Dimming to 10%	0.78	0.34

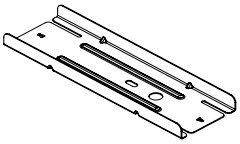
Accessories (Order Separately)

ROW ALIGNER 8' - 8'



SLSTPROW88
Unit UPC# 080083815647
Master Carton UPC# 080083815654
(50 per Master)

ROW ALIGNER 8' - 4'



SLSTPROW842
Unit UPC# 080083815661
Master Carton UPC# 080083815678
(100 per Master)

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Y-TOGGLE-10-2PK=(2) Y-Toggle Cable Kits at 10FT long (3)
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(3) Continuous row mount only between fixtures.
(4) EBP not available at 347V.
(5) Sensor info and coverage on page 5.

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Load Data

	2'	4"	8'
PF	0.99	0.99	0.98
THD%	13.6	12.9	< 20
Weight	2.8	4.6	9
Low Temp. Start	-20°C	-20°C	-20°C

Shipping Data

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Finish
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Shielding
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Installation
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Compliance
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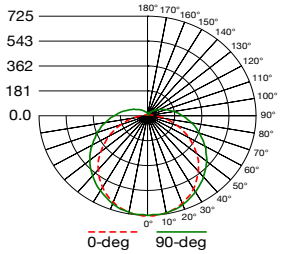
- LED's comply with IESNA LM-79 and LM-80 standards
- Under 4", ADA Compliant. DesignLights Consortium® Qualified and classified for DLC Standard, refer to www.designlights.org for details
- RoHS compliant
- Suitable for use in closet storage spaces when installed in accordance with NFPA-70 and NEC 410.16 spacing requirements

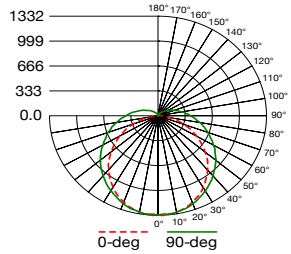
Warranty
- Five year limited warranty

Photometric Data

View IES files



2SLSTP2040DD-120V
Electronic Driver
Linear LED 4000K
Spacing criterion: (II) 1.24 x mounting height, (⊥) 1.30 x mounting height
Lumens: 2680
Input Watts: 22W
Efficacy: 121 LPW
Test Report: 2SLSTP2040DD-120V.IES



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Lumens: 4925
Input Watts: 40.3W
Efficacy: 120 LPW
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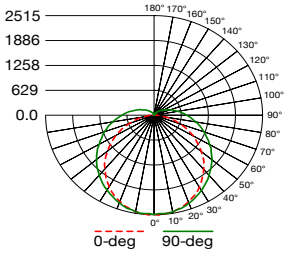
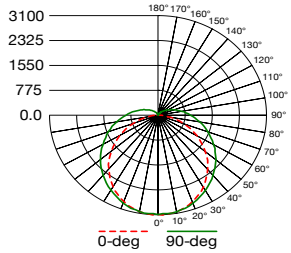


8SLSTP8040DD-UNV
Electronic Driver
Linear LED 4000K
Spacing criterion: (II) 1.24 x mounting height, (⊥) 1.30 x mounting height
Lumens: 9304
Input Watts: 75.8W
Efficacy: 123 LPW
Test Report: 8SLSTP8040DD-UNV.IES



8SLSTP11040DD-UNV
Electronic Driver
Linear LED 4000K
Spacing criterion: (II) 1.24 x mounting height, (⊥) 1.30 x mounting height
Lumens: 11463
Input Watts: 93.6W
Efficacy: 122 LPW
Test Report: 8SLSTP11040DD-UNV.IES

Cooper Lighting Solutions
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com

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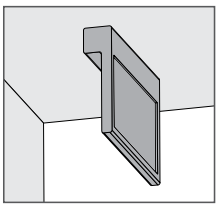
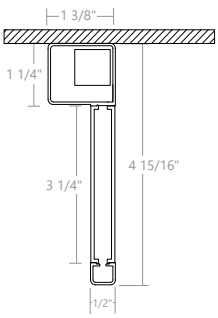
Specifications and dimensions subject to change without notice.

POSE®

SURFACE MOUNT - Right Angle Indirect

RS - Right Angle Surface





Project _____

Type _____

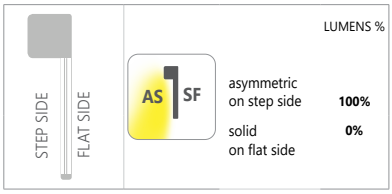
Notes _____

PERFORMANCE PER LINEAR FOOT AT 3500K WITH ALL OPTICS OPTIONS

NOMINAL LUMEN OUTPUT	INPUT WATTS*	EFFICACY
250 lm/ft	2.37 W/ft	105 lm/W
500 lm/ft	4.74 W/ft	105 lm/W
850 lm/ft	8.06 W/ft	105 lm/W
1000 lm/ft	9.49 W/ft	105 lm/W

Please consult factory for custom lumen output and wattage.

LIGHT DISTRIBUTION



*See page 6 for photometry

Ordering Guide

PS	AR	R			
PRODUCT ID	**LINE**	**MOUNTING SIDE**	**OPTIC-STEP SIDE**	**OPTIC-FLAT SIDE**	**NOM. LUMENS/FT**
PS Pose	**AR** Architectural	**R** right angle	**AS** asymmetric - step side **LS** lambertian - step side	**SF** solid - flat side	**250** 250 lm/ft - Min **1000** 1000 lm/ft - Max 500
		For Flat, please refer to: link spec For Step, please refer to: link spec	See light distribution options above	See light distribution options above	Outputs between listed min and max are available. Consult factory for outputs outside of the listed range.

CRI	COLOR TEMP.	LENGTH	FINISH	VOLTAGE	DRIVER
80 80 CRI **90** 90 CRI	**27** 2700 K **30** 3000 K **35** 3500 K **40** 4000 K	**2** 2' **3** 3' **4** 4' **5** 5' **6** 6' **7** 7' **8** 8' **S(L)** system run*	**AP** aluminum paint **W** white **BLK** black **C** custom	**120** 120 V **277** 277 V **347** 347 V* **UNV** universal **DC** low voltage**	**DP** dimming (0-10V) 1% - integral **POE(#)** POE drivers - remote*
	Consult factory for other color temperatures	2 ft min, 1 ft increment, 8 ft max stand alone. *System runs contain joiners - see page 3 For all other lengths and related outputs, please consult factory.		* Remote driver only. ** Only available with POE drivers.	Integral driver * Consult factory. See page 3 to specify system.

		RS			
CIRCUITS	**MOUNTING**	**ORIENTATION**	**REMOTE BATTERY (OPTIONAL)**	**OTHER (OPTIONAL)**	**CUSTOM (OPTIONAL)**
1 1 circuit **2** 2 circuits* **+E(#)** emergency circuit	**MT** mounting track for drywall and solid surfaces **DF** drywall flange* **DS** drywall spackle flange* **SB9** surface TB 9/16 **SBS** surface screw slot t-bar	**RS** right angle surface RWHD	**BR(#)** remote battery pack	**EF** end feed	**C** custom
* Can not control up/down separately.	Not available on 15/16 T-bars Not available for mounting on Tegular tile. Please consult factory for power feed options available for your application. * 5/8" drywall required for installation	See page 2 for additional mounting options and orientations	Remote only	Not available with flex whip wiring	Please specify

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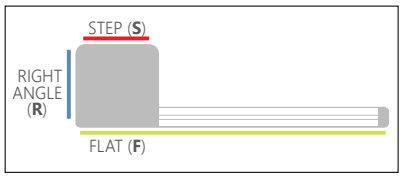
1.800.263.2947
[T] 514.948.6272
axislighting.com

POSE®

SURFACE MOUNT - Right Angle Indirect

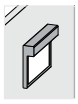
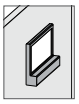
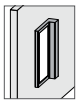
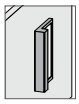
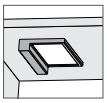
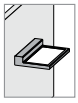
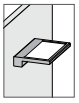
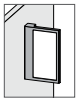
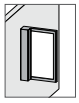
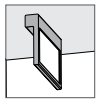
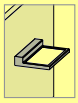
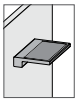
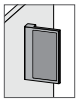
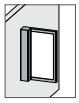
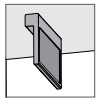
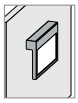
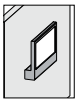
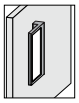
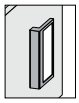
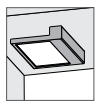
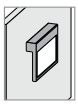
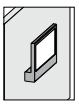
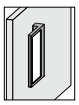
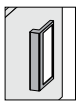
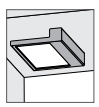
● *VIEW ALL ORIENTATION OPTIONS*

MOUNTING SIDE



Pose is available for installation on all three of it's sides. See interactive table below for quick access to SURFACE - STEP and RIGHT ANGLE MOUNTS and WALL - RIGHT ANGLE, STEP and FLAT MOUNTS specification sheets, also available at axislighting.com

CLICK!

	WALL				SURFACE
	HORIZONTAL		VERTICAL		
	DOWN	UP	LEFT	RIGHT	
FLAT MOUNT (F) (solid (SF) always on the flat side)	 Flat Wall Horizontal Down **FWHD**	 Flat Wall Horizontal Up **FWHU**	 Flat Wall Vertical Left **FWVL**	 Flat Wall Vertical Right **FWVR**	 Flat Surface **FS**
RIGHT ANGLE MOUNT (R) Step and Flat sides lit.	 Right Angle Wall Horizontal Down **RWHD**	 Right Angle Wall Horizontal Up **RWHU**	 Right Angle Wall Vertical Left **RWVL**	 Right Angle Wall Vertical Right **RWVR**	 Right Angle Surface **RS**
RIGHT ANGLE MOUNT (R) Step side lit.	 Right Angle Wall Horizontal Down **RWHD**	 Right Angle Wall Horizontal Up **RWHU**	 Right Angle Wall Vertical Left **RWVL**	 Right Angle Wall Vertical Right **RWVR**	 Right Angle Surface **RS**
STEP MOUNT (S) Step and Flat sides lit. (recommend lambertian (LS) on the step side)	 Step Wall Horizontal Down **SWHD**	 Step Wall Horizontal Up **SWHU**	 Step Wall Vertical Left **SWVL**	 Step Wall Vertical Right **SWVR**	 Step Surface **SS**
STEP MOUNT (S) Flat side lit. (recommend lambertian (LS) on the step side)	 Step Wall Horizontal Down **SWHD**	 Step Wall Horizontal Up **SWHU**	 Step Wall Vertical Left **SWVL**	 Step Wall Vertical Right **SWVR**	 Step Surface **SS**

(Note: These orientations help orient installation by the contractor. If you indicate an orientation in your product code it will be placed on the shop drawings)

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axis axislighting.com

POSE®

SURFACE MOUNT - Right Angle Indirect

SPECIFICATIONS

CONSTRUCTION

Housing	Extruded aluminum (0.05'' nominal) Up to 70% recycled content
End Cap	Cast aluminum
Interior Brackets	Die formed sheet steel (22 gauge)
Reflectors	White powder coated sheet steel (24 gauge)
Lenses	Extruded acrylic (0.070'' nominal)

ELECTRICAL

Power over Ethernet POE drivers* (consult factory for more information) UL2108 certified for integral or remote driver	MOLEX IGOR SMARTENGINE **O -** Other (Consult factory)
Emergency	Remote emergency battery pack or emergency circuit optional.
Input Voltage	120V, 277V, 347V (remote), UNV.

Incorporating these components may have limitations or affect the length of the luminaire, please contact factory for more details.

LED SYSTEM

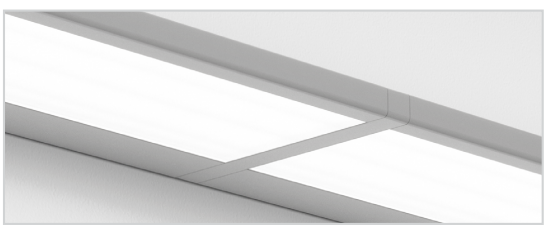
CRI	Minimum 80 or 90 color rendering index.
CCT	Choice of 2700K, 3000K, 3500K and 4000K color temperature with a great color consistency (within 3–step MacAdam ellipse). Both within fixture and fixture to fixture.
LED life	Minimum 50,000h with 85% of lumen maintenance in 25°C ambient temperature, in compliance with IES LM-80 testing measurements.
Thermal Management	Aluminum housing acting as the heat sink to maximize life.
Environment	Dry and damp rated for indoor use only in operating ambient temperatures of 0-40°C (32-104F).

OPTICS

A Clear lens is used when the asymmetric optic is chosen.
A Diffused lens is used when the Lambertian optic is chosen.

SYSTEM (S(L))

POSE linear systems, with the use of a strong profile, allow for a connection system of continuous runs.
Lengths of 2' min, 1' increments, 8' max stand alone , as well as custom lengths are available.
Runs of POSE that are greater than 8' in length are designated as systems (S(L)). This means that the run is comprised of a combination of sections to be assembled on site using our joining system. For more information on systems and joining, please refer to the POSE installation sheets available for download at www.axislighting.com.



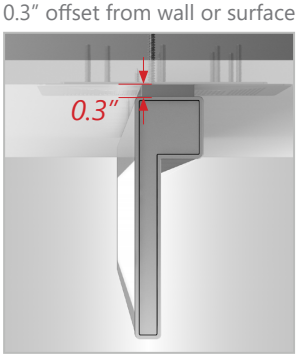
WARRANTY

Limited 5-year warranty is available. Warranty is valid provided luminaires are installed and used according to specifications. For full terms and conditions, please consult warranty section at axislighting.com.

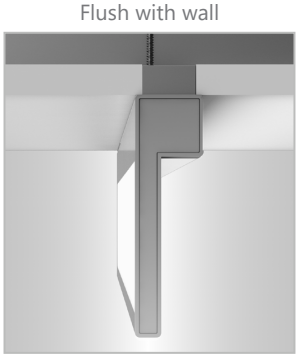
Mounting flexibility, multiple application solutions

Choose from surface mount (MT) or recessed mount (DF) or spackle mount (DS) tracks.

SURFACE MOUNT TRACK (MT)
0.3" offset from wall or surface



DRYWALL FLANGE (DF)*
Flush with wall



DRYWALL SPACKLE (DS)
Flush with wall

*min 5/8 thick drywall

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POSE®

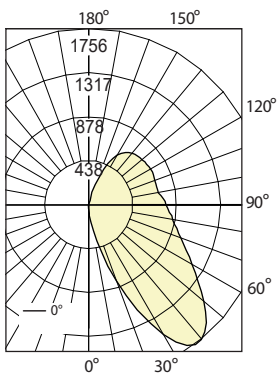
SURFACE MOUNT - Right Angle Indirect

PHOTOMETRIC DATA

		LUMENS %
SF AS	asymmetric on step side	100%
	solid on flat side	0%

1000 lm/ft

PHOTOMETRIC CURVE



Total Lumens: 3999 lm (for 4ft)
Input Watts: 38.08 W
Efficacy: 105 lm/W

CANDELA DISTRIBUTION

	Horizontal Angles				
Vertical Angle	0	22.5	45	67.5	90
0	30	30	30	30	30
5	109	102	85	60	30
15	499	438	282	126	29
25	1159	990	616	230	27
35	1712	1512	995	350	24
45	1660	1624	1271	456	22
55	1338	1371	1304	547	17
65	1078	1114	1173	598	13
75	910	939	1003	618	8
85	813	828	887	608	4
90	772	786	831	591	2
95	751	752	799	562	2
105	701	717	734	489	2
115	717	721	708	410	3
125	711	712	662	323	3
135	693	684	592	221	3
145	644	607	444	110	3
155	457	401	230	5	4
165	134	107	18	2	4
175	2	2	2	3	4
180	3	3	3	3	3

ZONAL LUMENS

	Lumens
Zone	
0	
0-10	10
10-20	85
20-30	286
30-40	581
40-50	802
50-60	871
60-70	850
70-80	800
80-90	745
90	
90-100	678
100-110	608
110-120	545
120-130	460
130-140	356
140-150	232
150-160	102
160-170	18
170-180	0
180	

LUMINANCE DATA (cd/m²)

	Horizontal Angles		
Vertical Angle	0	45	90
45	24242	18568	315
55	24097	23484	307
65	26339	28665	307
75	36323	40018	332
85	96275	105122	497

80 CRI shown. For 90 CRI, divide wattage by 0.8 and multiply efficacy by 0.8.
IES FILE: PS-AR-R-SF-AS-1000-80-35-4-SWHD.ies

TESTED ACCORDING TO IES LM-79-2008

All IES files are available for download at: www.axislighting.com

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Floodlight · Wide beam

BEGA

Type:
BEGA Product:
Project:
Modified:

Application
Compact rectangular floodlight with mounting canopy and outrigger arm. Designed to illuminate architecture and signage. Pair with a variety of optical accessories.

Materials
Clear safety glass with optical texture
Marine grade, copper free (≤ 0.3% copper content) A360.0 aluminum alloy
High temperature silicone gasket
304 stainless steel outrigger arm
Pure anodized aluminum reflector

NRTL listed to North American Standards, suitable for wet locations
Protection class IP 65

Weight: 5.3 lbs.

EPA (Effective projection area): 0.5 sq. ft.

Electrical

Operating voltage	120, 220-240 OR 277 VAC
Minimum start temperature	-30° C
LED module wattage	17.9 W
System wattage	20.4 W
Controllability	0-10V dimmable
Color rendering index	Ra > 80
Luminaire lumens	2456 lm
LED service life (L70)	60000 hrs

LED color temperature
☐ 4000K (K4)
☐ 3500K (K35)
☐ 3000K (K3)
☐ 2700K (K27)

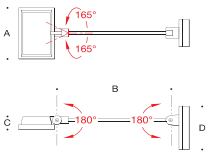
BEGA can supply you with suitable LED replacement modules for up to 20 years after the purchase of LED luminaires - see website for details

Finish
All BEGA standard finishes are matte, textured powder coat with minimum 3 mil thickness. BEGA Unidure® finish provides superior fade protection in Black, Bronze, and Silver. BEGA standard White is a super durable polyester powder. Optionally available RAL and custom color finishes provided in either polyester powder or liquid paint.

Available colors
☐ Black (BLK)
☐ Bronze (BRZ)
☐ Silver (SLV)
☐ White (WHT)
☐ RAL:
☐ CUS:

Available options

☐ B548	Barn door shield
☐ B70500	Glare shield · 180°
☐ CUS	Custom finish
☐ FSC	Fusing
☐ MGU	Marine grade undercoat
☐ RAL	RAL finish



Floodlight · Wide beam

	LED	☐	A	B	C	D
B77552	17.9 W	74°x89°	6 1/2	27 5/8	2	7 1/2

BEGA 1000 BEGA Way, Carpinteria, CA 93013 (805) 684-0533 info@bega-us.com

Due to the dynamic nature of lighting products and the associated technologies, luminaire data on this sheet is subject to change at the discretion of BEGA North America. For the most current technical data, please refer to bega-us.com
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Updated 10/25/24

Job Name : JACKSON COUNTY AIRPORT - TERMINAL AREA DEVELOPMENT
Manufacturer : MCGRAW ED
Model Number : GALN-SA2B-740-U-SL4-BZ

Type : OA

Project		Catalog #		Type	
Prepared by		Notes		Date	

McGraw-Edison

GALN Galleon II

Area / Site Luminaire

Product Features

Light ARchitect™

Interactive Menu

- Ordering Information page 2
- Mounting Details page 3
- Optical Distributions page 5
- Product Specifications page 5
- Energy and Performance Data page 6
- Control Options page 13

Product Certifications

Quick Facts

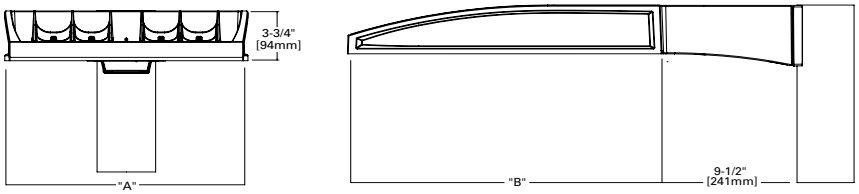
- Lumen packages range from 3,300 - 99,100 (33W - 658W)
- 17 optical distributions
- Efficacy up to 171 lumens per watt

Connected Systems

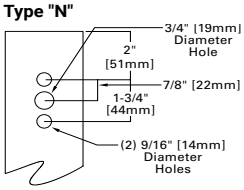
- Wavelinx LITE Wireless
- Wavelinx PRO Wireless

Dimensional Details

Standard Pole Mount Arm



Pole Drilling Pattern
Type "N"



Number of Light Squares	Width "A"	Housing Length "B"	Weight with Standard or QM Arm	EPA with Standard or QM Arm
1-4	16"	22"	29 lb	0.95
5-6	22"	22"	39 lb	0.95
7-9	22"	28-1/8"	48 lb	1.1

NOTES: For arm selection requirements and additional line art, see Mounting Details section.

NOTES:
1. Visit https://www.designlights.org/search/ to confirm qualification. Not all product variations are DLC qualified.
2. IDA Certified (3000K CCT and warmer only, fixed mounting options)

McGraw-Edison — GALN Galleon II

Ordering Information

SAMPLE NUMBER: **GALN-SA4C-740-U-T4FT-GM**

Product Family [1, 2]	Light Engine Configuration			Color Temperature	Voltage	Distribution	Mounting	Finish
	Light Square	Square Count	Lumen Output					
GALN=Galleon II **BAA-GALN**=Galleon II Buy American Act Compliant [26] **TAA-GALN**=Galleon II Trade Agreements Act Compliant [26]	**SA**=16 LED Light Square **SB**=26 LED Light Square[35]	**1**=1 Light Square **2**=2 Light Squares **3**=3 Light Squares **4**=4 Light Squares **5**=5 Light Squares **6**=6 Light Squares **7**=7 Light Squares **8**=8 Light Squares **9**=9 Light Squares	**A**=Output Level 1 **B**=Output Level 2 **C**=Output Level 3 **D**=Output Level 4 [4, 16] **Z**=Configured Output[32]	**722**=70CRI, 2200K **727**=70CRI, 2700K **730**=70CRI, 3000K **735**=70CRI, 3500K **740**=70CRI, 4000K **750**=70CRI, 5000K **760**=70CRI, 6000K **827**=80CRI, 2700K **830**=80CRI, 3000K **835**=80CRI, 3500K **840**=80CRI, 4000K **930**=90CRI, 3000K **935**=90CRI, 3500K **940**=90CRI, 4000K **950**=90CRI, 5000K **AMB**=Amber[14, 16]	**U**=120-277V **H**=347V-480V[7, 29] **1**=120V **2**=208V **3**=240V **4**=277V **8**=480V [7, 29] **9**=347V [7] **DV**=277V-480V DuraVolt Drivers [28, 29, 30]	**T1**=Type I **T2**=Type II **T2R**=Type II Roadway **T3**=Type III **T3R**=Type III Roadway **T4FT**=Type IV Forward Throw **T4W**=Type IV Wide **5NQ**=Type V Narrow **5MQ**=Type V Square Medium **5WQ**=Type V Square Wide **SL2**=Type II w/Spill Control **SL3**=Type III w/Spill Control **SL4**=Type IV w/Spill Control **SLL**=90° Spill Light Eliminator Left **SLR**=90° Spill Light Eliminator Right **RW**=Rectangular Wide Type I **AFL**=Automotive Frontline	**[Blank]**=Standard Pole Mount Arm **QU**=Quick Mount Universal Arm **QM**=Pole Mount Arm with Quick Mount Adaptor **PA**=Pole Mount, Adjustable **SP**=3" Slipfitter, Adjustable [8] **SP2**=2-3/8" Slipfitter, Adjustable [8] **QMA**=Quick Mount Mast Arm, Fixed **MA**=Mast Arm, Fixed **WM**=Wall Mount, Fixed **WA**=Wall Mount, Adjustable **UP**=Upswept Arm	**AP**=Grey **BZ**=Bronze **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White **RALXX**=Custom Color

Options (Add as Suffix)	Controls and Systems Options (Add as Suffix)	Accessories (Order Separately) [27]
DIM=External 0-10V Dimming Leads [19] **F**=Single Fuse (120, 277 or 347V Specify Voltage) **FF**=Double Fuse (208, 240 or 480V Specify Voltage) **20K**=20kV UL 1449 fused surge protective device [10] **2L**=Two Circuits [10] **HA**=50°C High Ambient [15] **HSS**=Installed House Side Shield [17] **GRSBK**=Glare Reducing Shield, Black [22] **GRSWH**=Glare Reducing Shield, White [22] **LCF**=Light Square Trim Painted to Match Housing [25] **TH**=Tool-less Door Hardware [5] **CC**=Coastal Construction finish [3] **L90**=Optics Rotated 90° Left **R90**=Optics Rotated 90° Right **AHD145**=After Hours Dim, 5 Hours [21] **AHD245**=After Hours Dim, 6 Hours [21] **AHD255**=After Hours Dim, 7 Hours [21] **AHD355**=After Hours Dim, 8 Hours [21] **DALI**=DALI Drivers	**BPC**=Button Type Photocontrol. Must specify voltage 120V, 208V, 240V or 277V. [6] **PR**=NEMA 3-PIN Photocontrol Receptacle **PR7**=NEMA 7-PIN Photocontrol Receptacle [20] **FADC**=Field Adjustable Dimming Controller [31] **PSC**=Photocontrol Shorting Cap **SPB2**=Dimming Motion Sensor, 9'-20' mounting [23] **SPB4**=Dimming Motion Sensor, 21'-40' mounting [23] **SPB2/X**=Dimming Motion Sensor, limited square count, 9'-20' mounting [23] **SPB4/X**=Dimming Motion Sensor, limited square count, 21'-40' mounting [23] **MS/DIM-L20**=Motion Sensor for Dimming Operation, 9'-20' Mounting [33] **MS/DIM-L40**=Motion Sensor for Dimming Operation, 21'-40' Mounting [33] **WLS2XX**=WaveLinx LITE, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting [18, 12, 34] **WLS4XX**=WaveLinx LITE, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting [18, 12, 34] **WPS2XX**=WaveLinx PRO, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting [18, 12, 13, 34] **WPS4XX**=WaveLinx PRO, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting [18, 12, 13, 34] **DIM10-L20**=AirMesh Occupancy Sensor (9'-20' Mounting) [18] **DIM10-L40**=AirMesh Occupancy Sensor (21'-40' Mounting) [18]	**OA/RA1016**=NEMA Photocontrol Multi-Tap - 105-285V **OA/RA1027**=NEMA Photocontrol - 480V **OA/RA1201**=NEMA Photocontrol - 347V **OA/RA1013**=Photocontrol Shorting Cap **OA/RA1014**=120V Photocontrol **MA1252**=10kV Surge Module Replacement **MA1036-XX**=Single Tenon Adapter for 2-3/8" O.D. Tenon **MA1037-XX**=2@180° Tenon Adapter for 2-3/8" O.D. Tenon **MA1197-XX**=3@120° Tenon Adapter for 2-3/8" O.D. Tenon **MA1188-XX**=4@90° Tenon Adapter for 2-3/8" O.D. Tenon **MA1189-XX**=2@90° Tenon Adapter for 2-3/8" O.D. Tenon **MA1190-XX**=3@90° Tenon Adapter for 2-3/8" O.D. Tenon **MA1191-XX**=2@120° Tenon Adapter for 2-3/8" O.D. Tenon **MA1038-XX**=Single Tenon Adapter for 3-1/2" O.D. Tenon **MA1039-XX**=2@180° Tenon Adapter for 3-1/2" O.D. Tenon **MA1192-XX**=3@120° Tenon Adapter for 3-1/2" O.D. Tenon **MA1193-XX**=4@90° Tenon Adapter for 3-1/2" O.D. Tenon **MA1194-XX**=2@90° Tenon Adapter for 3-1/2" O.D. Tenon **MA1195-XX**=3@90° Tenon Adapter for 3-1/2" O.D. Tenon **SRA238**=Adapter kit for mounting 3" SP arm to 2-3/8" O.D. vertical tenon **FSIR-100**=Wireless Configuration Tool for MS/DIM [33] **LS/HSS**=Field Installed House Side Shield [9, 17] **LS/GRSBK-2PK** =Glare Reducing Shield, Black [9, 22] **LS/GRSWH-2PK** =Glare Reducing Shield, White [9, 22] **LS/PFS**=Perimeter Shield, Black [15] **WOLC-7P-10A**=WaveLinx Outdoor Control Module [11, 18] **TL7-G1-HV**= AirMesh 7-PIN node, 110-480V [11, 18]

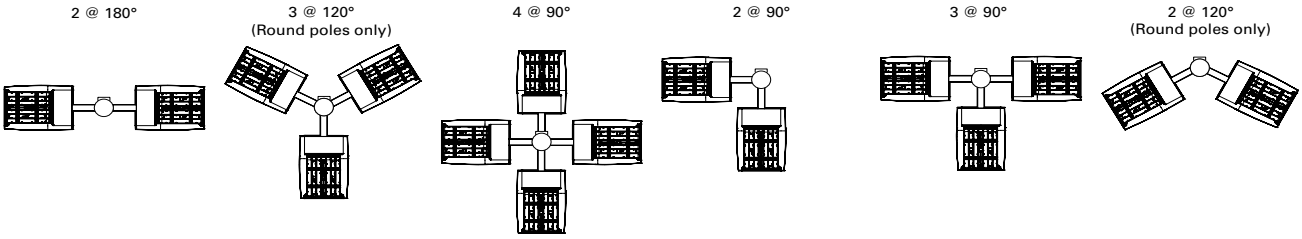
NOTES:

1. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information.
2. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
3. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654. Not available with TH option.
4. When using SA light squares, Output Level 4 not available with color temperatures 722, 727, 827, 830 or 930 when HSS is used.
5. TH option not 3G rated. Not available with Coastal Construction (CC) option.
6. Not available with voltage options H, 8 or 9.
7. Not available with SB1A or SB2A configurations. Not available in combination with HA high ambient and sensor options at Output Level 3. H voltage not available with sensor options, choose voltage 8 or 9.
8. SP arm limited to 3" O.D. vertical tenon. SP2 limited to 2-3/8" O.D. vertical tenon.
9. One required for each Light Square.
10. 2L is not available with SB light squares. Not available with SPB at 347V or 480V. Not available with WaveLinx or 20kV surge option.
11. Requires PR7.
12. Replace XX with sensor color (WH, BZ or BK.)
13. WAC Gateway required to enable field-configurability: Order WAC-PoE and WPOE-120 (10V to PoE injector) power supply if needed. WAC not required for LC Bluetooth sensors.
14. Narrow-band 590nm +/- 5nm for wildlife and observatory use. Choose Output Level 1; supplied at 500mA drive current only. Not available with SB light squares. Exact luminaire wattage available in IES files. Available with 5WQ, 5MQ, SL2, SL3 and SL4 distributions. Can be used with HSS option.
15. Set of 4 pcs. One set required per Light Square.
16. HA option not available with Output Level 4 or AMB Amber.
17. Not for use with T1, 5NQ, 5MQ, 5WQ or RW optics.
18. Cannot be used with other control options.
19. Low voltage control lead brought out 18" outside fixture. Not available with DALI or integrated controls options
20. Not available if any SPB, LWR, or WaveLinx sensor is selected. Motion sensor has an integral photocell.
21. Requires the use of BPC photocontrol or the PR7 or PR photocontrol receptacle with photocontrol accessory. Not available with SB light squares when using Output Level 4.
22. Not for use with T1, T4FT, T4W or SL optics. See IES files for details. Not available with SB light squares.
23. Sensor configuration mobile application required for configuration. See controls page for details.
24. Replace X with number of Light Squares controlled by the SPB, referencing the "SPB/X Availability Table" on the controls page.
25. Not available with HSS, GRSWH or GRSBK.
26. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
27. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
28. DuraVolt drivers feature added protection from power quality issues such as loss of neutral, transients and voltage fluctuations. Visit www.signify.com/duravolt for more information.
29. 480V not to be used with ungrounded or impedance grounded systems.
30. Not available with SA1A or SA1B. Not available with SB1, or any SB configuration using Output Level 1. Not available with any control option except SPB
31. Cannot be used with DALI, PR7, or other motion response control options. Not available with SB light squares when using Output Level 4
32. Use GALN Product Configurator to specify lumen output, drive current and wattage. Not available with AMB. Not available with SB light squares.
33. Uses the FSP-211 motion sensor. The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Cooper Lighting Solutions for more information.
34. Controls system is not available with photocontrol receptacles (PR , PR7) or other controls systems (FADC, SPBx).
35. Available with T1, T2, T3, T4FT, SL4 and 5WQ distributions

McGraw-Edison — GALN Galleon II

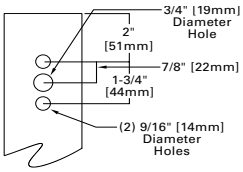
Mounting Details

Pole Configuration Options

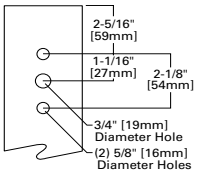


Pole Drilling Patterns

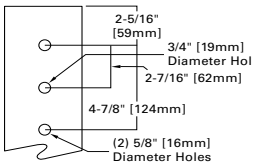
Type "N"



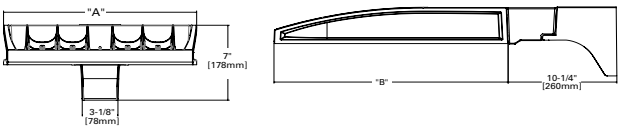
Type "R"



Type "M"

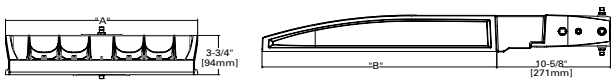


Quick Mount Universal Arm (QU)



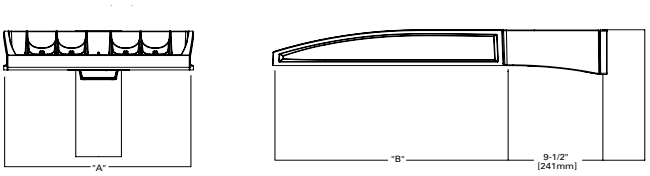
*NOTE: Universal bolt pattern compatible with Type N through Type M drilling patterns

Quick Mount Mast Arm (QMA)



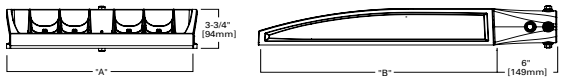
*NOTE: Fits 2-3/8" O.D. tenon

Pole Mount Arm with Quick Mount Adaptor (QM)



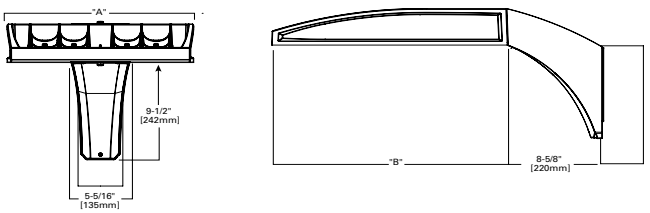
*NOTE: Use Type N drilling pattern

Mast Arm, Fixed (MA)



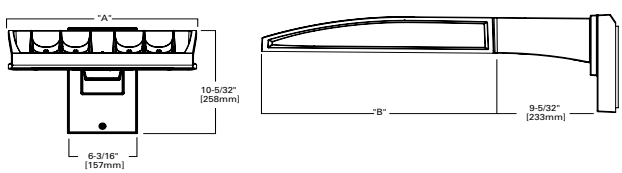
*NOTE: Fits 2-3/8" O.D. tenon

Upswept Arm (UP)



*NOTE: Universal bolt pattern compatible with Type N through Type M drilling patterns

Wall Mount, Fixed (WM)



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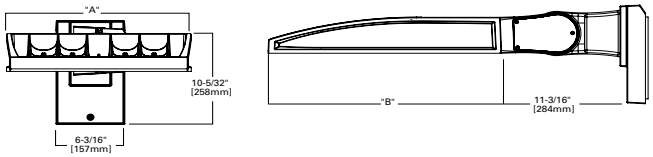
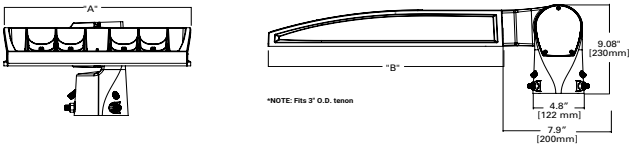
Mounting Details

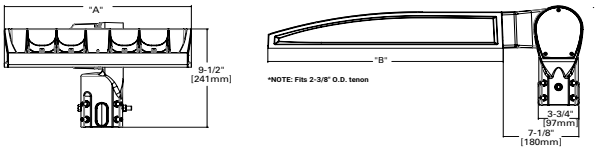
Wall Mount, Adjustable (WA)



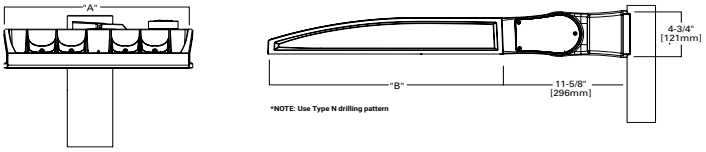
3" Slipfitter, Adjustable (SP)



2-3/8" Slipfitter, Adjustable (SP2)

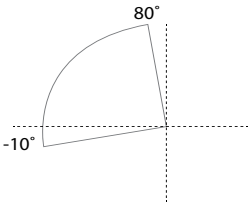


Pole Mount, Adjustable Arm (PA)



Adjustable Arm Range of Motion

- Includes WA, SP, SP2 and PA mounting options
- Adjustable in increments of 5°
- Must maintain downward facing orientation



Fixture Weights and EPAs

Tilt Angle (Degrees)	Number of Light Squares	Weight	1 @ 90°	2 @ 180°	2 @ 90°	2 @ 120°	3 @ 90°	3 @ 120°	4 @ 90°
0°	1-4	33.5 lb (15.2 kg)	0.85	1.70	1.46	1.66	2.31	2.25	2.35
	5-6	43.5 lb (19.7 kg)	0.86	1.71	1.62	1.80	2.49	2.35	2.50
	7-9	52.5 lb (23.8 kg)	0.98	1.95	1.75	1.98	2.73	2.55	2.76
15°	1-4	33.5 lb (15.2 kg)	1.10	1.71	1.95	2.26	2.81	3.30	2.87
	5-6	43.5 lb (19.7 kg)	1.42	1.71	2.27	2.72	3.13	3.63	3.15
	7-9	52.5 lb (23.8 kg)	1.69	1.96	2.67	3.22	3.65	4.38	3.72
30°	1-4	33.5 lb (15.2 kg)	1.72	1.81	2.58	3.21	3.44	4.59	3.53
	5-6	43.5 lb (19.7 kg)	2.26	2.29	3.11	4.00	3.97	5.27	4.00
	7-9	52.5 lb (23.8 kg)	2.75	2.85	3.73	4.83	4.71	6.45	4.81
45°	1-4	33.5 lb (15.2 kg)	2.25	2.36	3.10	4.00	3.96	5.63	4.08
	5-6	43.5 lb (19.7 kg)	2.96	2.99	3.81	5.06	4.67	6.49	4.71
	7-9	52.5 lb (23.8 kg)	3.63	3.76	3.73	6.17	5.59	8.03	5.73
60°	1-4	33.5 lb (15.2 kg)	2.63	2.77	3.49	4.58	4.34	6.21	4.48
	5-6	43.5 lb (19.7 kg)	3.46	3.51	4.32	5.84	5.19	7.01	5.22
	7-9	52.5 lb (23.8 kg)	4.27	4.44	5.25	7.15	6.23	8.80	6.40

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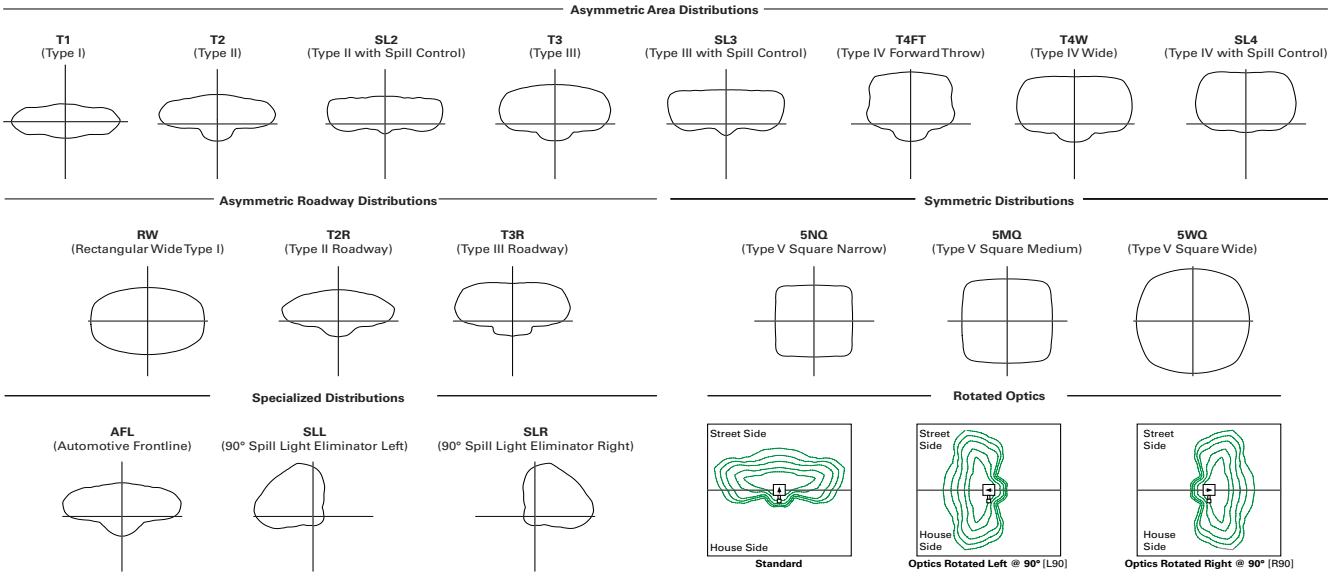
Optical Distributions



Product Specifications

Construction
- Die-cast aluminum housing and heat sink
- Three housing sizes, using 1 to 9 light squares

Optics
- High-efficiency injection-molded AccuLED Optics technology
- 17 optical distributions for area site and roadway applications
- 3 shielding options include HSS, GRS and PFS
- IDA Certified (3000K CCT and warmer only, fixed mounting options)

Electrical
- Removable power tray assembly includes drivers, surge modules and control modules for ease of maintenance and serviceability
- Standard with 0-10V dimming
- Standard with 10kV surge module, optional 20kV surge module
- Suitable for operation in -40°C to 40°C ambient environments. Optional 50°C high ambient (HA) configuration
- Luminaire available with the field adjustable dimming controller (FADC) to manually adjust wattage and reduce the total lumen output and light levels. Comes pre-set to the highest position at the lumen output selected

Mounting
- Arms are factory installed, enabling closed-housing installation
- All arms suitable for round or square pole installation
- All arms provide clearance for multiple fixture installations at 90°

Finish
- 6 standard finishes use super durable TGIC polyester powder coat paint, providing 2.5 mil nominal thickness and salt-spray tested to 3,000 hours per ASTM B117
- RAL and custom color matches available
- Coastal Construction (CC) option salt-spray tested to 5,000 hours per ASTM B117, achieving a scribe rating of 9 per ASTM D1654

Typical Applications
- Outdoor, Parking Lots, Walkways, Roadways, Building Areas

Warranty
- Five-year limited warranty. Consult website for details. www.cooperlighting.com/legal

McGraw-Edison — GALN Galleon II

Energy and Performance Data

Lumen Maintenance (TM-21)

Output Level	Ambient Temperature	25,000 hours*	50,000 hours*	60,000 hours*	100,000 hours**	Theoretical L70 hours**
Output Levels 1-3	25°C	99.4%	99.0%	98.9%	98.3%	> 2.4M
	40°C	98.7%	98.3%	98.1%	97.4%	> 1.9M
	50°C	98.2%	97.2%	96.8%	95.2%	> 851,000
Output Level 4	25°C	99.4%	99.0%	98.9%	98.3%	> 2.4M
	40°C	98.5%	97.9%	97.7%	96.7%	> 1.3M

* Supported by IES TM-21 standards
** Theoretical values represent estimations commonly used; however, refer to the IES position on LED Product Lifetime Prediction, IES PS-10-18, explaining proper use of IES TM-21 and LM-80.

Lumen Multiplier

Ambient Temperature	Lumen Multiplier
0ºC	1.02
10ºC	1.01
25ºC	1.00
40ºC	0.99
50ºC	0.97

FADC Settings
SA1-SA3 (All Output Levels)

FADC Position	Percent of Typical Lumen Output
1	25%
2	48%
3	56%
4	65%
5	75%
6	80%
7	85%
8	90%
9	95%
10	100%

Note: +/-5% typical value

FADC Settings
SA4-SA6 (All Output Levels)

FADC Position	Percent of Typical Lumen Output
1	14%
2	25%
3	32%
4	43%
5	49%
6	57%
7	65%
8	72%
9	80%
10	100%

Note: +/-5% typical value

FADC Settings
SA7-SA9 (All Output Levels)

FADC Position	Percent of Typical Lumen Output
1	19%
2	38%
3	47%
4	63%
5	74%
6	85%
7	95%
8	97%
9	100%
10	100%

Note: +/-5% typical value

McGraw-Edison — GALN Galleon II

SA Light Squares, Output Level 1, 4000K CCT, 70 CRI

Galleon II IES Files | Supplemental Lumen Tables

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		33	63	93	121	154	182	215	244	274
Input Current @ 120V		0.283	0.529	0.778	1.058	1.310	1.556	1.839	2.089	2.335
Input Current @ 208V		0.165	0.309	0.460	0.618	0.771	0.919	1.082	1.240	1.379
Input Current @ 240V		0.143	0.270	0.398	0.540	0.671	0.796	0.944	1.078	1.194
Input Current @ 277V		0.125	0.237	0.352	0.473	0.581	0.705	0.818	0.962	1.057
Input Current @ 347V		0.098	0.181	0.272	0.362	0.454	0.544	0.636	0.738	0.816
Input Current @ 480V		0.073	0.133	0.200	0.267	0.335	0.400	0.470	0.554	0.600
Optics										
T1	Lumens	4,619	9,180	13,628	18,059	22,861	27,070	31,796	36,863	41,385
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
	Lumens per Watt	140	146	147	149	148	149	148	151	151
T2	Lumens	4,654	9,249	13,730	18,194	23,032	27,273	32,034	37,138	41,694
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens per Watt	141	147	148	150	150	150	149	152	152
T2R	Lumens	4,716	9,372	13,913	18,437	23,340	27,637	32,462	37,634	42,251
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4
	Lumens per Watt	143	149	150	152	152	152	151	154	154
T3	Lumens	4,589	9,120	13,538	17,940	22,711	26,892	31,587	36,620	41,112
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G4
	Lumens per Watt	139	145	146	148	147	148	147	150	150
T3R	Lumens	4,735	9,411	13,970	18,513	23,436	27,751	32,596	37,790	42,425
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens per Watt	143	149	150	153	152	152	152	155	155
T4FT	Lumens	4,617	9,176	13,622	18,051	22,851	27,058	31,782	36,847	41,366
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	140	146	146	149	148	149	148	151	151
T4W	Lumens	4,631	9,203	13,662	18,104	22,918	27,138	31,876	36,955	41,488
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	140	146	147	150	149	149	148	151	151
SL2	Lumens	4,619	9,180	13,627	18,058	22,860	27,069	31,795	36,861	41,383
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5
	Lumens per Watt	140	146	147	149	148	149	148	151	151
SL3	Lumens	4,586	9,115	13,531	17,931	22,699	26,879	31,571	36,602	41,091
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens per Watt	139	145	145	148	147	148	147	150	150
SL4	Lumens	4,529	9,002	13,363	17,708	22,417	26,544	31,178	36,146	40,580
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	137	143	144	146	146	146	145	148	148
5NQ	Lumens	4,829	9,598	14,247	18,880	23,901	28,301	33,242	38,539	43,266
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3
	Lumens per Watt	146	152	153	156	155	155	155	158	158
5MQ	Lumens	4,853	9,645	14,318	18,974	24,020	28,442	33,407	38,731	43,482
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	147	153	154	157	156	156	155	159	159
5WQ	Lumens	4,843	9,625	14,288	18,934	23,969	28,382	33,337	38,649	43,390
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5
	Lumens per Watt	147	153	154	156	156	156	155	158	158
SLL/ SLR	Lumens	3,989	7,927	11,768	15,594	19,741	23,375	27,456	31,831	35,736
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens per Watt	121	126	127	129	128	128	128	130	130
RW	Lumens	4,774	9,488	14,085	18,665	23,628	27,979	32,863	38,100	42,774
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
	Lumens per Watt	145	151	151	154	153	154	153	156	156
AFL	Lumens	4,673	9,286	13,785	18,268	23,126	27,384	32,164	37,290	41,864
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3
	Lumens per Watt	142	147	148	151	150	150	150	153	153

* Nominal data for 70 CRI. ** For additional performance data, please reference the Galleon Supplemental Performance Guide.

McGraw-Edison — GALN Galleon II

SA Light Squares, Output Level 2, 4000K CCT, 70 CRI

Galleon II IES Files | Supplemental Lumen Tables

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		44	82	121	164	204	243	286	325	364
Input Current @ 120V		0.367	0.689	1.014	1.378	1.704	2.027	2.393	2.716	3.041
Input Current @ 208V		0.213	0.401	0.594	0.802	0.997	1.188	1.400	1.605	1.782
Input Current @ 240V		0.184	0.347	0.510	0.694	0.860	1.021	1.210	1.386	1.531
Input Current @ 277V		0.160	0.303	0.449	0.605	0.757	0.898	1.065	1.242	1.347
Input Current @ 347V		0.125	0.235	0.355	0.471	0.592	0.710	0.828	0.958	1.065
Input Current @ 480V		0.092	0.172	0.258	0.344	0.432	0.517	0.605	0.706	0.775
Optics										
T1	Lumens	5,748	11,423	16,957	22,470	28,446	33,683	39,563	45,867	51,494
	BUG Rating	B2-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
	Lumens per Watt	131	139	140	137	139	139	138	141	141
T2	Lumens	5,790	11,508	17,083	22,638	28,658	33,935	39,859	46,210	51,879
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	132	140	141	138	140	140	139	142	143
T2R	Lumens	5,868	11,662	17,311	22,941	29,041	34,388	40,391	46,827	52,572
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
	Lumens per Watt	133	142	143	140	142	142	141	144	144
T3	Lumens	5,710	11,347	16,845	22,322	28,258	33,461	39,303	45,565	51,155
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5
	Lumens per Watt	130	138	139	136	139	138	137	140	141
T3R	Lumens	5,892	11,710	17,383	23,035	29,161	34,530	40,558	47,020	52,788
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	134	143	144	140	143	142	142	145	145
T4FT	Lumens	5,745	11,418	16,949	22,460	28,433	33,668	39,546	45,847	51,471
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	131	139	140	137	139	139	138	141	141
T4W	Lumens	5,762	11,451	16,999	22,526	28,517	33,767	39,662	45,982	51,622
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	131	140	140	137	140	139	139	141	142
SL2	Lumens	5,747	11,422	16,956	22,469	28,444	33,681	39,561	45,865	51,491
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	131	139	140	137	139	139	138	141	141
SL3	Lumens	5,707	11,342	16,836	22,311	28,244	33,444	39,283	45,542	51,129
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	130	138	139	136	138	138	137	140	140
SL4	Lumens	5,636	11,201	16,627	22,034	27,893	33,028	38,794	44,976	50,493
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G4	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	128	137	137	134	137	136	136	138	139
5NQ	Lumens	6,009	11,942	17,727	23,492	29,739	35,214	41,362	47,953	53,835
	BUG Rating	B2-U0-G1	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
	Lumens per Watt	137	146	147	143	146	145	145	148	148
5MQ	Lumens	6,039	12,001	17,816	23,609	29,887	35,389	41,568	48,191	54,103
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5
	Lumens per Watt	137	146	147	144	147	146	145	148	149
5WQ	Lumens	6,026	11,976	17,778	23,559	29,824	35,315	41,480	48,090	53,989
	BUG Rating	B3-U0-G1	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
	Lumens per Watt	137	146	147	144	146	145	145	148	148
SLL/ SLR	Lumens	4,963	9,863	14,642	19,403	24,563	29,085	34,163	39,607	44,465
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	113	120	121	118	120	120	119	122	122
RW	Lumens	5,940	11,806	17,526	23,224	29,400	34,813	40,891	47,407	53,222
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
	Lumens per Watt	135	144	145	142	144	143	143	146	146
AFL	Lumens	5,814	11,555	17,153	22,730	28,775	34,073	40,021	46,398	52,090
	BUG Rating	B1-U0-G1	B2-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4
	Lumens per Watt	132	141	142	139	141	140	140	143	143

* Nominal data for 70 CRI. ** For additional performance data, please reference the Galleon Supplemental Performance Guide.

McGraw-Edison — GALN Galleon II

SA Light Squares, Output Level 3, 4000K CCT, 70 CRI

Galleon II IES Files | Supplemental Lumen Tables

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		57	108	160	213	269	321	377	429	481
Input Current @ 120V		0.478	0.905	1.338	1.810	2.244	2.675	3.150	3.584	4.013
Input Current @ 208V		0.279	0.532	0.780	1.064	1.313	1.559	1.845	2.093	2.339
Input Current @ 240V		0.243	0.458	0.664	0.916	1.123	1.328	1.582	1.788	1.991
Input Current @ 277V		0.213	0.404	0.582	0.808	0.997	1.164	1.401	1.589	1.745
Input Current @ 347V		0.164	0.322	0.471	0.644	0.795	0.943	1.117	1.269	1.414
Input Current @ 480V		0.121	0.235	0.341	0.469	0.579	0.681	0.814	0.923	1.022
Optics										
T1	Lumens	7,101	14,113	20,950	27,763	35,146	41,616	48,882	56,671	63,623
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	125	131	131	130	131	130	130	132	132
T2	Lumens	7,154	14,219	21,107	27,970	35,408	41,927	49,247	57,094	64,098
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	126	132	132	131	132	131	131	133	133
T2R	Lumens	7,250	14,408	21,389	28,344	35,881	42,487	49,905	57,857	64,954
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	127	133	134	133	133	132	132	135	135
T3	Lumens	7,054	14,020	20,812	27,580	34,914	41,342	48,560	56,297	63,203
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	124	130	130	129	130	129	129	131	131
T3R	Lumens	7,280	14,468	21,477	28,461	36,029	42,663	50,111	58,096	65,222
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	128	134	134	134	134	133	133	135	136
T4FT	Lumens	7,098	14,107	20,941	27,751	35,130	41,598	48,860	56,646	63,594
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	125	131	131	130	131	130	130	132	132
T4W	Lumens	7,119	14,148	21,003	27,832	35,233	41,720	49,004	56,812	63,781
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	125	131	131	131	131	130	130	132	133
SL2	Lumens	7,101	14,112	20,949	27,761	35,144	41,614	48,879	56,668	63,619
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	125	131	131	130	131	130	130	132	132
SL3	Lumens	7,051	14,013	20,802	27,566	34,897	41,321	48,535	56,269	63,172
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	124	130	130	129	130	129	129	131	131
SL4	Lumens	6,963	13,839	20,543	27,223	34,463	40,808	47,932	55,569	62,386
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	122	128	128	128	128	127	127	130	130
5NQ	Lumens	7,424	14,755	21,903	29,025	36,743	43,508	51,104	59,247	66,515
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
	Lumens per Watt	130	137	137	136	137	136	136	138	138
5MQ	Lumens	7,461	14,828	22,012	29,169	36,926	43,725	51,359	59,542	66,846
	BUG Rating	B3-U0-G1	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
	Lumens per Watt	131	137	138	137	137	136	136	139	139
5WQ	Lumens	7,445	14,797	21,966	29,108	36,849	43,633	51,250	59,417	66,705
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	131	137	137	137	137	136	136	139	139
SLL/ SLR	Lumens	6,132	12,187	18,091	23,973	30,348	35,936	42,210	48,935	54,938
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	108	113	113	113	113	112	112	114	114
RW	Lumens	7,340	14,587	21,653	28,694	36,325	43,013	50,522	58,573	65,757
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	129	135	135	135	135	134	134	137	137
AFL	Lumens	7,183	14,276	21,193	28,084	35,552	42,098	49,448	57,327	64,359
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G4
	Lumens per Watt	126	132	132	132	132	131	131	134	134

* Nominal data for 70 CRI. ** For additional performance data, please reference the Galleon Supplemental Performance Guide.

McGraw-Edison — GALN Galleon II

SA Light Squares, Output Level 4, 4000K CCT, 70 CRI

Galleon II IES Files | Supplemental Lumen Tables

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		65	125	184	245	309	368	433	493	552
Input Current @ 120V		0.546	1.041	1.535	2.082	2.578	3.070	3.619	4.114	4.605
Input Current @ 208V		0.318	0.610	0.893	1.219	1.504	1.786	2.113	2.397	2.679
Input Current @ 240V		0.276	0.523	0.758	1.046	1.282	1.516	1.806	2.041	2.274
Input Current @ 277V		0.241	0.460	0.662	0.920	1.133	1.325	1.593	1.807	1.987
Input Current @ 347V		0.187	0.370	0.543	0.740	0.915	1.085	1.285	1.459	1.628
Input Current @ 480V		0.138	0.269	0.391	0.537	0.663	0.782	0.932	1.057	1.173
Optics										
T1	Lumens	7,814	15,529	23,053	30,549	38,672	45,793	53,787	62,358	70,007
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	120	124	125	125	125	124	124	126	127
T2	Lumens	7,872	15,645	23,225	30,777	38,962	46,135	54,189	62,824	70,530
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	121	125	126	126	126	125	125	127	128
T2R	Lumens	7,977	15,854	23,535	31,188	39,482	46,751	54,913	63,663	71,472
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	123	127	128	127	128	127	127	129	129
T3	Lumens	7,762	15,427	22,901	30,348	38,418	45,491	53,433	61,947	69,546
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	119	123	124	124	124	124	123	126	126
T3R	Lumens	8,010	15,920	23,632	31,317	39,645	46,944	55,139	63,925	71,767
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	123	127	128	128	128	128	127	130	130
T4FT	Lumens	7,810	15,522	23,043	30,535	38,655	45,772	53,763	62,330	69,976
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	120	124	125	125	125	124	124	126	127
T4W	Lumens	7,833	15,568	23,110	30,625	38,769	45,907	53,921	62,513	70,182
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	121	125	126	125	125	125	125	127	127
SL2	Lumens	7,813	15,528	23,052	30,547	38,670	45,790	53,784	62,354	70,003
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	120	124	125	125	125	124	124	126	127
SL3	Lumens	7,758	15,419	22,889	30,332	38,398	45,468	53,406	61,916	69,511
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	119	123	124	124	124	124	123	126	126
SL4	Lumens	7,662	15,228	22,605	29,955	37,921	44,903	52,742	61,146	68,646
	BUG Rating	B1-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	118	122	123	122	123	122	122	124	124
5NQ	Lumens	8,169	16,235	24,101	31,938	40,431	47,874	56,232	65,193	73,190
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	126	130	131	130	131	130	130	132	133
5MQ	Lumens	8,210	16,316	24,221	32,097	40,632	48,113	56,512	65,517	73,554
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	126	131	132	131	131	131	131	133	133
5WQ	Lumens	8,192	16,282	24,170	32,029	40,546	48,011	56,393	65,379	73,399
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	126	130	131	131	131	130	130	133	133
SLL/ SLR	Lumens	6,747	13,410	19,906	26,379	33,394	39,542	46,445	53,846	60,451
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	104	107	108	108	108	107	107	109	110
RW	Lumens	8,076	16,050	23,826	31,574	39,970	47,329	55,592	64,450	72,356
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5
	Lumens per Watt	124	128	129	129	129	129	128	131	131
AFL	Lumens	7,904	15,709	23,320	30,902	39,120	46,323	54,410	63,079	70,817
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G4
	Lumens per Watt	122	126	127	126	127	126	126	128	128

* Nominal data for 70 CRI. ** For additional performance data, please reference the Galleon Supplemental Performance Guide.

McGraw-Edison — GALN Galleon II

SB Light Squares, Output Level 1, 4000K, 70 CRI

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		31	57	85	114	142	171	199	227	256
Input Current @ 120V		0.263	0.484	0.717	0.952	1.201	1.434	1.685	1.918	2.151
Input Current @ 208V		0.154	0.280	0.420	0.552	0.700	0.839	0.979	1.119	1.259
Input Current @ 240V		0.136	0.245	0.370	0.483	0.615	0.740	0.860	0.985	1.110
Input Current @ 277V		0.122	0.216	0.330	0.425	0.546	0.660	0.762	0.876	0.989
Input Current @ 347V		-	-	0.248	0.328	0.413	0.495	0.577	0.665	0.743
Input Current @ 480V		-	-	0.182	0.238	0.304	0.364	0.426	0.493	0.547
Optics										
T1	Lumens	4,696	9,389	14,086	18,816	23,716	28,470	33,388	37,964	42,763
	BUG Rating	B2-U0-G1	B3-U0-G1	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4
	Lumens per Watt	152	164	166	165	167	167	168	167	167
T2	Lumens	4,704	9,404	14,109	18,846	23,754	28,515	33,442	38,024	42,831
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G5
	Lumens per Watt	152	164	167	165	168	167	168	167	168
T3	Lumens	4,751	9,497	14,249	19,033	23,989	28,798	33,773	38,401	43,256
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G4
	Lumens per Watt	154	166	168	167	169	169	170	169	169
T4FT	Lumens	4,692	9,380	14,074	18,799	23,694	28,444	33,358	37,929	42,724
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4
	Lumens per Watt	152	164	166	165	167	166	168	167	167
SL4	Lumens	4,706	9,408	14,115	18,854	23,764	28,527	33,456	38,040	42,849
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	152	164	167	165	168	167	168	168	168
5WQ	Lumens	4,802	9,600	14,403	19,239	24,249	29,110	34,139	38,817	43,724
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5
	Lumens per Watt	155	168	170	169	171	170	171	171	171

SB Light Squares, Output Level 2, 4000K, 70 CRI

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		40	74	109	147	183	220	257	293	330
Input Current @ 120V		0.330	0.627	0.919	1.255	1.547	1.838	2.174	2.466	2.758
Input Current @ 208V		0.192	0.370	0.533	0.739	0.902	1.066	1.272	1.435	1.598
Input Current @ 240V		0.169	0.327	0.467	0.655	0.794	0.933	1.121	1.260	1.400
Input Current @ 277V		0.150	0.294	0.412	0.588	0.706	0.823	1.000	1.118	1.235
Input Current @ 347V		0.112	0.215	0.316	0.431	0.531	0.632	0.746	0.847	0.947
Input Current @ 480V		0.086	0.160	0.230	0.320	0.390	0.460	0.550	0.620	0.690
Optics										
T1	Lumens	5,895	11,786	17,683	23,620	29,771	35,739	41,913	47,656	53,681
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	148	159	162	161	163	162	163	163	163
T2	Lumens	5,905	11,805	17,711	23,658	29,818	35,796	41,980	47,732	53,766
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5
	Lumens per Watt	148	160	162	161	163	162	164	163	163
T3	Lumens	5,963	11,922	17,887	23,892	30,114	36,151	42,396	48,206	54,300
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5
	Lumens per Watt	150	161	164	163	165	164	165	165	165
T4FT	Lumens	5,890	11,775	17,667	23,599	29,744	35,706	41,875	47,613	53,632
	BUG Rating	B2-U0-G1	B3-U0-G2	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5
	Lumens per Watt	148	159	162	161	163	162	163	163	163
SL4	Lumens	5,907	11,810	17,718	23,668	29,831	35,811	41,998	47,752	53,789
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B5-U0-G5
	Lumens per Watt	148	160	162	161	163	162	164	163	163
5WQ	Lumens	6,028	12,051	18,080	24,151	30,440	36,542	42,855	48,728	54,887
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
	Lumens per Watt	151	163	166	164	167	166	167	166	167

McGraw-Edison — GALN Galleon II

SB Light Squares, Output Level 3, 4000K, 70 CRI

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		54	101	149	201	250	301	351	400	450
Input Current @ 120V		0.437	0.857	1.259	1.714	2.116	2.518	2.973	3.375	3.776
Input Current @ 208V		0.254	0.498	0.721	0.996	1.219	1.442	1.717	1.940	2.163
Input Current @ 240V		0.223	0.437	0.628	0.874	1.065	1.256	1.501	1.693	1.884
Input Current @ 277V		0.197	0.386	0.550	0.772	0.936	1.100	1.322	1.485	1.649
Input Current @ 347V		0.150	0.292	0.432	0.584	0.724	0.863	1.016	1.155	1.295
Input Current @ 480V		0.111	0.213	0.311	0.427	0.525	0.622	0.738	0.836	0.933
Optics										
T1	Lumens	7,841	15,675	23,517	31,414	39,594	47,531	55,743	63,381	71,393
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5
	Lumens per Watt	144	155	158	157	159	158	159	159	159
T2	Lumens	7,853	15,700	23,555	31,464	39,657	47,607	55,832	63,482	71,507
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	144	156	158	157	159	158	159	159	159
T3	Lumens	7,931	15,856	23,789	31,776	40,051	48,080	56,386	64,112	72,217
	BUG Rating	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B5-U0-G5
	Lumens per Watt	146	157	160	158	161	160	161	160	161
T4FT	Lumens	7,834	15,661	23,496	31,385	39,558	47,488	55,692	63,324	71,329
	BUG Rating	B2-U0-G2	B3-U0-G2	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	144	155	158	156	159	158	159	158	159
SL4	Lumens	7,857	15,707	23,565	31,477	39,674	47,627	55,855	63,509	71,538
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	144	156	158	157	159	158	159	159	159
5WQ	Lumens	8,017	16,027	24,046	32,120	40,484	48,600	56,996	64,806	72,998
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	147	159	161	160	162	162	163	162	162

SB Light Squares, Output Level 4, 4000K, 70 CRI

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		80	148	218	294	365	440	513	585	658
Input Current @ 120V		0.638	1.234	1.840	2.469	3.094	3.680	4.349	4.934	5.519
Input Current @ 208V		0.367	0.705	1.045	1.410	1.779	2.090	2.513	2.824	3.135
Input Current @ 240V		0.320	0.614	0.913	1.227	1.567	1.827	2.220	2.480	2.740
Input Current @ 277V		0.280	0.537	0.813	1.075	1.402	1.626	1.992	2.215	2.439
Input Current @ 347V		0.219	0.430	0.640	0.897	1.089	1.280	1.537	1.729	1.920
Input Current @ 480V		0.160	0.313	0.479	0.700	0.829	0.958	1.179	1.308	1.437
Optics										
T1	Lumens	10,654	21,299	31,955	42,684	53,800	64,585	75,742	86,121	97,008
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	134	144	147	145	147	147	148	147	147
T2	Lumens	10,671	21,333	32,006	42,752	53,886	64,688	75,863	86,258	97,162
	BUG Rating	B2-U0-G2	B3-U0-G3	B4-U0-G4	B4-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	134	145	147	146	148	147	148	147	148
T3	Lumens	10,777	21,545	32,324	43,177	54,420	65,329	76,616	87,114	98,127
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	135	146	148	147	149	148	149	149	149
T4FT	Lumens	10,644	21,280	31,926	42,646	53,751	64,526	75,674	86,043	96,920
	BUG Rating	B2-U0-G2	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	134	144	146	145	147	147	148	147	147
SL4	Lumens	10,675	21,342	32,020	42,771	53,908	64,715	75,895	86,295	97,204
	BUG Rating	B2-U0-G3	B3-U0-G4	B4-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	134	145	147	146	148	147	148	148	148
5WQ	Lumens	10,893	21,778	32,673	43,644	55,009	66,037	77,445	88,057	99,189
	BUG Rating	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	137	148	150	149	151	150	151	151	151

McGraw-Edison GALN Galleon II

Control Options

0-10V (DIM)
This fixture is offered standard with 0-10V dimming driver(s). The DIM option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

Photocontrol (BPC, PR and PR7)
Optional button-type photocontrol (BPC) and photocontrol receptacles (PR and PR7) provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PR7 receptacle.

After Hours Dim (AHD)
This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a "dusk-to-dawn" period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

Dimming Occupancy Sensor (SPB and MS/DIM-LXX)
These passive infrared (PIR) sensors are factory installed in the luminaire housing. When the SPB (FSP-321 or FSP-311) or MS/DIM (FSP-211) sensor options are selected, the occupancy sensor is connected to a dimming driver and the luminaire dims when no motion is detected. After a set period of time, the luminaire turns off, and when motion is detected, the luminaire returns to full light output. Both sensors are factory preset to dim down to approximately 10% power with a time delay of five minutes. The MS/DIM sensor requires the FSIR-100 programming tool to adjust factory defaults. The SPB sensor default parameters are listed in the table below and can be configured utilizing the Sensor Configuration mobile application for iOS and Android devices. The SPB/X is configured to control only the specified number of light squares (See SPB/X Availability Table below.) An integral photocontrol can be activated with the app for "dusk-to-dawn" control or daylight harvesting - the factory default is off. Four sensor colors are available; Bronze, Black, Gray and White, and are automatically selected based on the luminaire finish as indicated by the table below.

SPB sensor finish matched to luminaire finish		
Luminaire Finish		SPB Sensor Finish*
WH	White	White
BK	Black	Black
GM	Graphite Metallic	Black
BZ	Bronze	Bronze
AP	Gray	Gray
DP	Dark Platinum	Gray

*SPB bezel color automatically selected based on luminaire finish

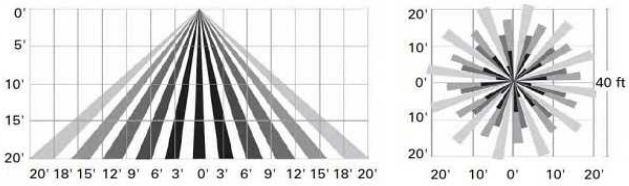
SPB/X Availability Table	
Fixture Square Count	Available SPB/X Square Count
1	Not Available
2	Not Available
3	Not Available
4	2
5	2 or 3
6	3
7	2, 3, 4 or 5
8	2, 3, 5 or 6
9	3 or 6

Default Program Settings (Out of the Box Functionality)

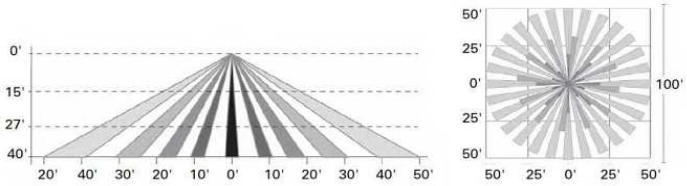
Occupancy Sensor				
Setting	MS/DIM	SPB	WaveLinx Lite (WLS4 / WLS2)	WaveLinx (WPS)
High Mode %	100%	100%	100%	100%
Low Mode %	10%	10%	50%	50%
Time Delay	5 min	5 min	15 min	15 min
Cut Off Delay	1 hr	1 hr	Disabled	Disabled
Photocell Enabled	No	No	Yes	Yes

WaveLinx Wireless Control and Monitoring System
Operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. WaveLinx (WPS2 to WPS4) outdoor wireless sensors offer passive infrared (PIR) occupancy and photocell for closed loop daylight harvesting, and can be factory or field-installed. Sensors are factory preset to dim down to 50% after 15 minutes of no motion detected. Two lens options are available for mounting heights of 7' to 40'. Use the WaveLinx mobile application for set-up and configuration. At least one Wireless Area Controller (WAC) is required for full functionality and remote communication (including adjustment of any factory pre-sets). WaveLinx Lite (WLS4 and WLS2) outdoor wireless sensors provide PIR occupancy and photocell for closed loop daylight harvesting, and can be factory or field-installed. Sensors are factory preset to dim down to 50% after 15 minutes of no motion detected. Two lens options are available for mounting heights of 7' to 40'. Use the WaveLinx Lite mobile application for set-up and configuration. WAC not required. WaveLinx Outdoor Control Module (WOLC-7P-10A) accessory provides a photocontrol enabling astronomic or time-based schedules to provide ON, OFF and dimming control of fixtures utilizing a 7-PIN receptacle. The out-of-box functionality is ON at dusk and OFF at dawn.

For mounting heights up to 15' (WPS2 and WLS2)



For mounting heights up to 40' (WPS4 and WLS4)



AirMesh (DIM10)
AirMesh integrated wireless controls system includes factory installed DIM10 Synapse control module and FSP-201 motion sensor; requires additional AirMesh components for operation. Contact Synapse at www.synapsewireless.com for product support, warranty and terms and conditions.

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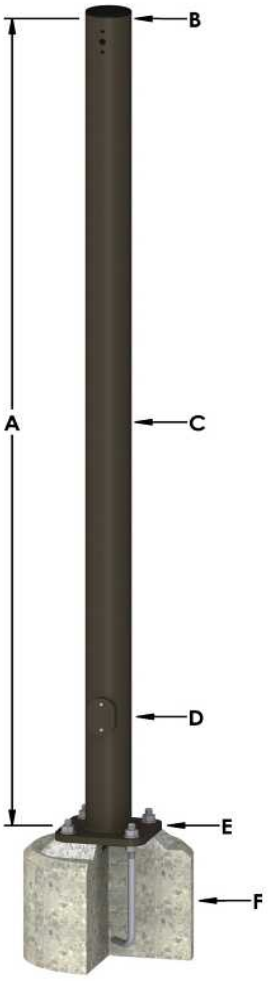
Specifications and dimensions subject to change without notice.

RSP Round Non-Tapered Steel Poles

PROJECT NAME

GENERATION DATE **11/12/2024**

CATALOG NUMBER **RSP20 - 5 - 11 - BRZ - DM10 - BC**



A — POLE SHAFT

The pole shaft is single piece construction, being fabricated from a weldable grade carbon steel structural tubing and shall conform to ASTM A500 Grade C with a minimum yield strength of 50,000 psi. The pole shaft has a full-length longitudinal resistance weld and is uniformly cylindrical in cross-section with round sides and excellent torsional properties.

HEIGHT	BASE OD	GAUGE	WEIGHT	EPA MAX LOAD 90 MPH AASHTO
20'	5"	11	159 lbs	12.5

B — MOUNTING DESIGNATION

Drilled for 1 Luminaire

C — FINISH

Standard - The standard finish is a polyester thermosetting powder coating applied to the surface of the substrate to a minimum of 3 mils for all color finishes.

FINISH TYPE	COLOR
Standard	Bronze

D — HAND HOLE

An oval reinforced gasketed handhole is located 1'-6" above base with a grounding provision located inside the ring.

WIDTH	LENGTH
3"	5"

E — BASE PLATE

The anchor base is fabricated from structural quality hot rolled carbon steel plate that meets or exceeds a minimum yield strength of 36,000 psi. All welds are performed in accordance with AWS D1.1, latest edition.

BOLT CIRCLE: **11"**

F — ANCHOR BOLTS

Anchor bolts are of commercial quality hot rolled carbon steel that meets or exceeds yield strength of 55,000 psi. Four properly sized anchor bolts come with all poles unless otherwise specified. Anchor bolts have the threaded end galvanized a minimum of 8 inches per ASTM A153.

WIDTH	LENGTH	HOOK
1"	36"	4"

OPTIONS

Base Cover

COMMENTS

RSP Terms and Conditions

TERMS

Net 30 days from the date of Company's invoice unless otherwise specified. A 1-1/2% per month late charge will be added to accounts past due

PRICES

Published prices are subject to change without notice. Possession of price sheets in no way obligates Company to sell to the Purchaser possessing such price sheet. All orders are subject to final approval and acceptance by the Company. Once accepted and approved, orders will be billed at prices currently in effect at the time of invoicing, or at prices quoted by the Company and accepted by the Purchaser if the order involves an item or items covered by special quotation. THE MINIMUM INVOICE CHARGE SHALL BE $50.00 NET

DELIVERY

All goods sold are deliverable F.O.B. KW Industries, Inc., Sugar Land, Texas 77478

FREIGHT

All of the Company's products are priced and sold F.O.B. KW Industries, Inc., Sugar Land, Texas 77478. Transportation charges will be prepaid by the Company and added to the net sales price unless specified by the Purchaser.

ROUTING

The Company will specify the method and routing of all products to ensure the most efficient and economical shipment in behalf of the Purchaser. The Purchaser will assume charges for special services such as cartage, air freight, express or multiple deliveries on one order.

CANCELLATION

The written consent of the Company shall be obtained prior to a cancellation of any order. Cancellation of an order may subject the Purchaser to a cancellation charge based upon expenses already incurred and commitments made by the Company.

RETURNED GOODS

Specific written request and arrangements must be made in advance for Purchaser to obtain credit or replacement on material returned. On material accepted for return, Purchaser must prepay return shipment and pay minimum restocking charge of 40% plus any charge necessary to rework goods to a resaleable condition. Custom fabricated products by special order are not subject to return.

DELAYS, DAMAGE OR LOSS

The Company is not and shall not be liable for delays in shipment or delivery of its products when caused by strikes, riots, hurricanes, civil disorder, fires, material shortage, breakdown in manufacturing facilities or any other cause beyond its reasonable control. Any claims for damages, loss or shortage in transit must be made by the Purchaser to the delivering carrier. The risk of loss passes to the Purchaser upon delivery to the carrier.

LIMITED WARRANTY

The Company warrants to Purchaser that its products will be free from defects in material and workmanship for a period of one year from the date of shipment by the Company (the "Warranty Period"). This Warranty specifically excludes fatique failure or similar phenomena resulting from induced vibration, harmonic oscillation or resonance associated with the movement of air currents around the product. If during the Warranty period, the product proves defective in material or workmanship, the Company shall correct any defect, at its option, either by repairing any defective parts or by making available at the Company's plant a repaired or replacement part at no charge to the Purchaser, if the Purchaser promptly notifies the Company and furnishes proof of Purchase. The liability of the Company under this Warranty, or for any loss or damage arising out of, or connected with, the design, manufacturing, sale or use of its products, whether the claim is based on contract or negligence, shall not exceed the price allocable to the value of the product or part which gives rise to the claim and upon expiration of the Warranty Period all such liability shall terminate. The Company shall not be liable for special or consequential damages including, but not limited to, loss of profits or revenue, loss of use of the product, cost of substitute products or labor charges to remove or reinstall the defective product, nor any product transportation expenses to and from the Company's plant if factory repair or replacement is necessary. No warranty is made with respect to parts or auxiliary equipment not manufactured by the Company. The foregoing Warranty is exclusive and in lieu of all other warranties whether written, oral, express or implied and shall constitute the sole and exclusive remedy of the Purchaser and liability of the Company. NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE SHALL APPLY. The Company's products are not sold as a "consumer product" under 15 U.S.C. 62301.

GENERAL

KW Industries, Inc. reserves the right to change any feature of its published specifications without notice to promote product improvement and/or allow for material availability. The contract for the sale of goods by KW shall be performable in Fort Bend County, Texas. Prices subject to change without notice.

Job Name : JACKSON COUNTY AIRPORT - TERMINAL AREA DEVELOPMENT
Manufacturer : SURE LITES
Model Number : SCX70R

Type : 1FX

Project		Catalog #		Type	
Prepared by		Notes		Date	

Sure-Lites

Sure-Lites Complete Exit, SCX Series

Universal Mount Edge Lit Exit Sign

Typical Applications

Office • Education • Healthcare • Hospitality • Retail

Interactive Menu

- Order Information page 2
- Energy Performance page 2
- Technical Data page 2
- Product Warranty

Product Certification

T20 Certified to California Title 20 Appliance Database

T20 for battery backup models

Product Features

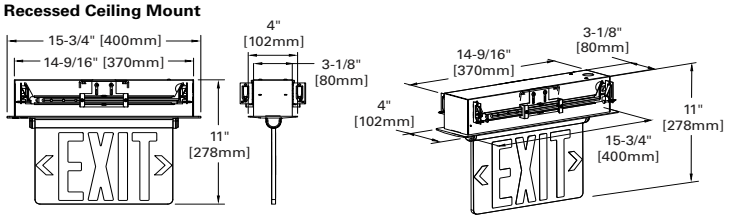
damp location

Top Product Features

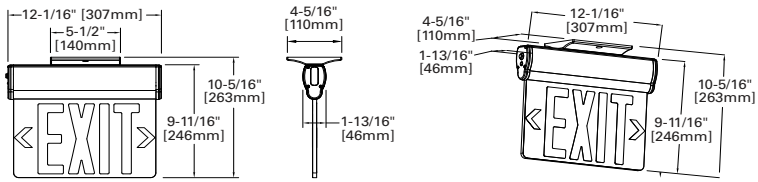
- Universal Mount: surface and recessed
- Clear acrylic panels, single-sided clear and double-sided mirror included
- Aluminum housing available in satin aluminum finish
- SCX7 battery backup models have maintenance free nickel cadmium batteries
- Battery backup models provide 90 minutes of emergency run time
- Bright, long-life LED source provides uniform illumination
- Dual voltage input, 120/277 VAC, 60 Hz
- UL 924 Damp location certified

Dimensional and Mounting Details

Recessed Ceiling Mount



Surface Ceiling Mount



additional product diagrams

Sure-Lites SCX Series

Ordering Information

SAMPLE ORDER NUMBER: **SCX70R, SCX70G**

Complete Fixture

Series	Operation	Face Options	LED Color	Housing Finish	Mounting
SCX=6" Letter Standard	**6**=AC Only **7**=NiCad Battery Backup	**0**=Universal: Single-sided clear and double-sided mirror panels provided	**R**=Red **G**=Green	**[Blank]**=Satin Aluminum	**[Blank]**=Universal surface and recessed mounting box provided
		Notes (1) Chevrons field installable.			

Alternate Lens Panels (order separately)
SCXRL=SCX lens panel, single-sided mirror, red letters **SCXGL**=SCX lens panel, single-sided mirror, green letters

Catalog Number	Description	UPC	Case Count
SCX60R	Sure-Lites Complete Edge Lit Exit, AC Only, Universal Mount, Red Letters, Universal Faces, Aluminum Finish	080083286362	3
SCX60G	Sure-Lites Complete Edge Lit Exit, AC Only, Universal Mount, Green Letters, Universal Faces, Aluminum Finish	080083286386	3
SCX70R	Sure-Lites Complete Edge Lit Exit, NiCad Battery Backup, Universal Mount, Red Letters, Universal Faces, Aluminum Finish	080083277704	3
SCX70G	Sure-Lites Complete Edge Lit Exit, NiCad Battery Backup, Universal Mount, Green Letters, Universal Faces, Aluminum Finish	080083277728	3
SCXRL	Lens Panel Part: Single-Sided Red Letters, Mirror Background	080083286607	15
SCXGL	Lens Panel Part: Single-Sided Green Letters, Mirror Background	080083286621	15

Product Specifications

Lamp Data
- LED, Red or Green: Super-bright, long-life LEDs provide uniform illumination

Electronic
- Dual voltage input 120/277 VAC, 60Hz
- Long-life energy efficient LED lamps
- AC only and AC with battery backup models
- Solid-state Voltage Charger
- Solid-state Switching
- Brownout Circuit
- Low-Voltage disconnect
- Test Switch/Power Indicator Light

Housing Construction
- Extruded aluminum housing
- Steel recessed housing, aluminum trim plate
- Pivot design allows simple installation for surface, recessed wall, ceiling and sloped ceilings
- Canopy provided for surface mounting
- Extruded aluminum housing with adjustable glavanized steel hangar bars provided for recessed mounting
- Standard satin aluminum finish blends with most decors

Lens
- Injection molded acrylic panels
- NFPA 101 compliant field installable chevron directional indicators
- Bright red and green letter colors
- 6" Letters
- Single-sided clear and double-sided mirror panels provided with each exit

Brownout Circuit (SCX7 Battery Backup Models)
- Monitors flow of AC current
- Activates the emergency lighting system when a predetermined reduction/dip of AC power occurs (a dip in voltage will cause most ballasted products to extinguish, causing loss of normal lighting though a total power failure has not occurred)

Low Voltage Disconnect (SCX7 Battery Backup Models)
- Low-voltage circuitry disconnects the lighting load when battery's terminal voltage falls
- Disconnect remains in effect until normal utility power is restored, preventing deep battery discharge

Test Switch/Power Indicator Light (SCX7 Battery Backup Models)
- Switch located on the side of the exit permits the activation of the emergency circuit for complete operational systems check
- Indicator light provides visual assurance the AC power is on

Battery
- Sealed nickel cadmium
- Maintenance free, long life
- Full recharge time, 24 hrs (max.)
- Operating temperature 10°C to 40°C

Code Compliance
- UL 924 Listed
- Life Safety NFPA 101
- NEC/OSHA
- Most State and Local Codes
- CEC Title 20

Limited Warranty
- Exit: 5-year Limited Warranty
- Battery: 2-year Limited Warranty

Energy and Performance Data

Maximum power consumption under all charge conditions:

LED Exits – Red Letters, AC Only

Input Power	Input Current (Max.)
120V = 2.38W	120V = 28mA
277V = 2.38W	277V = 13mA

LED Exits, Green Letters, AC Only

Input Power	Input Current (Max.)
120V = 2.38W	120V = 28mA
277V = 2.38W	277V = 13mA

LED Exits – Red Letters, Battery Backup

Input Power	Input Current (Max.)
120V = 3.14W	120V = 0.03
277V = 3.14W	277V = 0.01

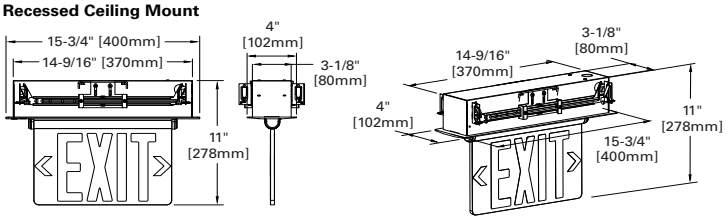
LED Exits, Green Letters, Battery Backup

Input Power	Input Current (Max.)
120V = 2.94W	120V = 0.03
277V = 2.94W	277V = 0.02

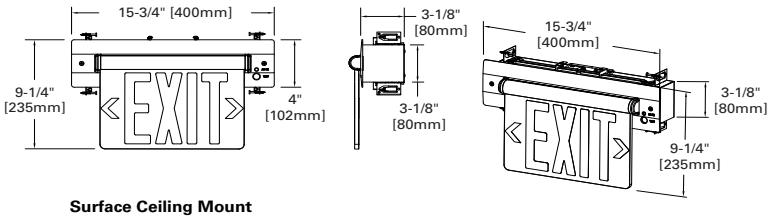
Sure-Lites SCX Series

Dimensional and Mounting Details

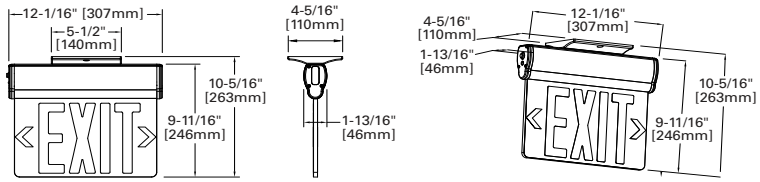
Recessed Ceiling Mount



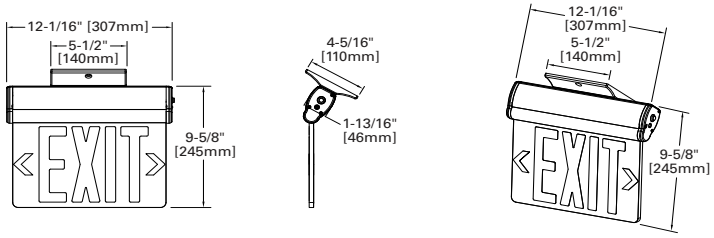
Recessed Wall Mount



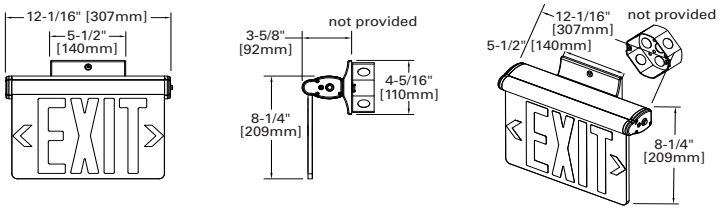
Surface Ceiling Mount



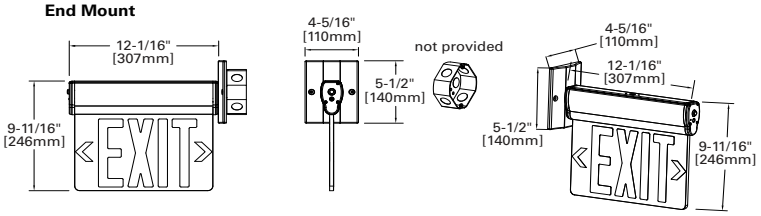
Sloped Ceiling Mount



Surface Wall Mount



End Mount



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Specifications and dimensions subject to change without notice.

Job Name : JACKSON COUNTY AIRPORT - TERMINAL AREA DEVELOPMENT
Manufacturer : SURE LITES
Model Number : SCX70R

Type : 2F X

Project		Catalog #		Type	
Prepared by		Notes		Date	

Sure-Lites

Sure-Lites Complete Exit, SCX Series

Universal Mount Edge Lit Exit Sign

Typical Applications

Office • Education • Healthcare • Hospitality • Retail

Interactive Menu

- Order Information page 2
- Energy Performance page 2
- Technical Data page 2
- Product Warranty

Product Certification

T20 Certified to California Title 20 Appliance Database

T20 for battery backup models

Product Features

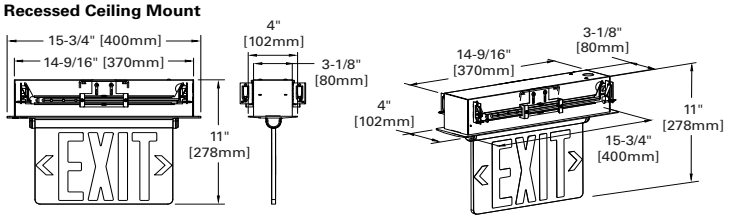
damp location

Top Product Features

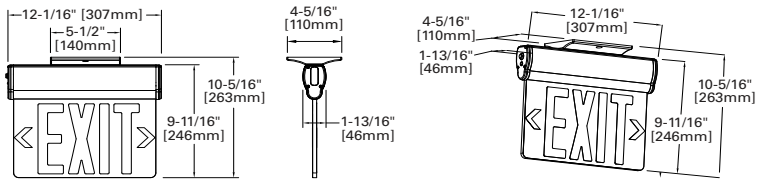
- Universal Mount: surface and recessed
- Clear acrylic panels, single-sided clear and double-sided mirror included
- Aluminum housing available in satin aluminum finish
- SCX7 battery backup models have maintenance free nickel cadmium batteries
- Battery backup models provide 90 minutes of emergency run time
- Bright, long-life LED source provides uniform illumination
- Dual voltage input, 120/277 VAC, 60 Hz
- UL 924 Damp location certified

Dimensional and Mounting Details

Recessed Ceiling Mount



Surface Ceiling Mount



additional product diagrams

Sure-Lites SCX Series

Ordering Information

SAMPLE ORDER NUMBER: **SCX70R, SCX70G**

Complete Fixture

Series	Operation	Face Options	LED Color	Housing Finish	Mounting
SCX=6" Letter Standard	**6**=AC Only **7**=NiCad Battery Backup	**0**=Universal: Single-sided clear and double-sided mirror panels provided	**R**=Red **G**=Green	**[Blank]**=Satin Aluminum	**[Blank]**=Universal surface and recessed mounting box provided
		Notes (1) Chevrons field installable.			

Alternate Lens Panel Parts
Alternate Lens Panels (order separately)
SCXRL=SCX lens panel, single-sided mirror, red letters **SCXGL**=SCX lens panel, single-sided mirror, green letters

Catalog Number	Description	UPC	Case Count
SCX60R	Sure-Lites Complete Edge Lit Exit, AC Only, Universal Mount, Red Letters, Universal Faces, Aluminum Finish	080083286362	3
SCX60G	Sure-Lites Complete Edge Lit Exit, AC Only, Universal Mount, Green Letters, Universal Faces, Aluminum Finish	080083286386	3
SCX70R	Sure-Lites Complete Edge Lit Exit, NiCad Battery Backup, Universal Mount, Red Letters, Universal Faces, Aluminum Finish	080083277704	3
SCX70G	Sure-Lites Complete Edge Lit Exit, NiCad Battery Backup, Universal Mount, Green Letters, Universal Faces, Aluminum Finish	080083277728	3
SCXRL	Lens Panel Part: Single-Sided Red Letters, Mirror Background	080083286607	15
SCXGL	Lens Panel Part: Single-Sided Green Letters, Mirror Background	080083286621	15

Product Specifications

Lamp Data
- LED, Red or Green: Super-bright, long-life LEDs provide uniform illumination

Electronic
- Dual voltage input 120/277 VAC, 60Hz
- Long-life energy efficient LED lamps
- AC only and AC with battery backup models
- Solid-state Voltage Charger
- Solid-state Switching
- Brownout Circuit
- Low-Voltage disconnect
- Test Switch/Power Indicator Light

Housing Construction
- Extruded aluminum housing
- Steel recessed housing, aluminum trim plate
- Pivot design allows simple installation for surface, recessed wall, ceiling and sloped ceilings
- Canopy provided for surface mounting
- Extruded aluminum housing with adjustable glavanized steel hangar bars provided for recessed mounting
- Standard satin aluminum finish blends with most decors

Lens
- Injection molded acrylic panels
- NFPA 101 compliant field installable chevron directional indicators
- Bright red and green letter colors
- 6" Letters
- Single-sided clear and double-sided mirror panels provided with each exit

Brownout Circuit (SCX7 Battery Backup Models)
- Monitors flow of AC current
- Activates the emergency lighting system when a predetermined reduction/dip of AC power occurs (a dip in voltage will cause most ballasted products to extinguish, causing loss of normal lighting though a total power failure has not occurred)

Low Voltage Disconnect (SCX7 Battery Backup Models)
- Low-voltage circuitry disconnects the lighting load when battery's terminal voltage falls
- Disconnect remains in effect until normal utility power is restored, preventing deep battery discharge

Test Switch/Power Indicator Light (SCX7 Battery Backup Models)
- Switch located on the side of the exit permits the activation of the emergency circuit for complete operational systems check
- Indicator light provides visual assurance the AC power is on

Battery
- Sealed nickel cadmium
- Maintenance free, long life
- Full recharge time, 24 hrs (max.)
- Operating temperature 10°C to 40°C

Code Compliance
- UL 924 Listed
- Life Safety NFPA 101
- NEC/OSHA
- Most State and Local Codes
- CEC Title 20

Limited Warranty
- Exit: 5-year Limited Warranty
- Battery: 2-year Limited Warranty

Energy and Performance Data

Maximum power consumption under all charge conditions:

LED Exits – Red Letters, AC Only

Input Power	Input Current (Max.)
120V = 2.38W	120V = 28mA
277V = 2.38W	277V = 13mA

LED Exits, Green Letters, AC Only

Input Power	Input Current (Max.)
120V = 2.38W	120V = 28mA
277V = 2.38W	277V = 13mA

LED Exits – Red Letters, Battery Backup

Input Power	Input Current (Max.)
120V = 3.14W	120V = 0.03
277V = 3.14W	277V = 0.01

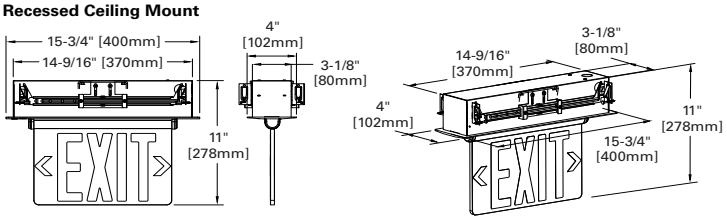
LED Exits, Green Letters, Battery Backup

Input Power	Input Current (Max.)
120V = 2.94W	120V = 0.03
277V = 2.94W	277V = 0.02

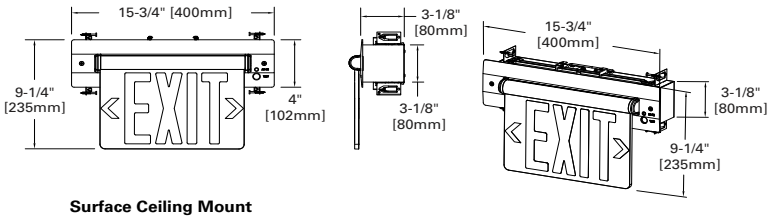
Sure-Lites SCX Series

Dimensional and Mounting Details

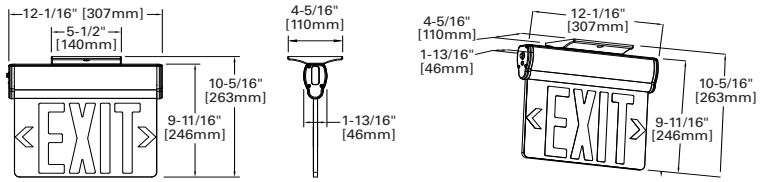
Recessed Ceiling Mount



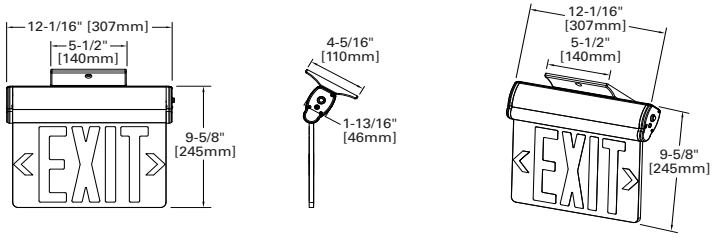
Recessed Wall Mount



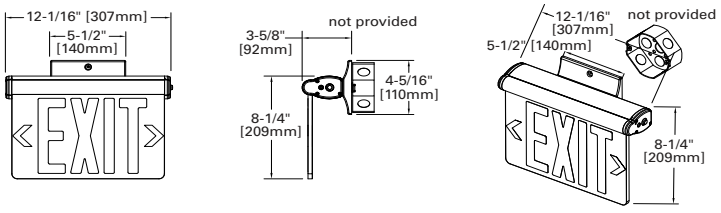
Surface Ceiling Mount



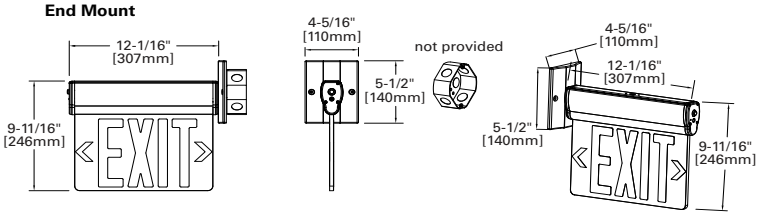
Sloped Ceiling Mount



Surface Wall Mount



End Mount



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Specifications and dimensions subject to change without notice.

Technical Data

Effective October 22, 2014

Greengate

GMDS – Momentary Decorator Switch

Catalog#	Prepared by
Project	Date
Comments	Type

Overview

TThe Momentary Decorator Switch is a system accessory for the Greengate Lighting Control System. This switch is recommended for most low voltage switching applications and fits a standard decorator wallplate.

Features

- When pressed, momentary contact establishes circuit contact in the closed position. When not pressed, the switch is in the (open) position.
- Thermoplastic rocker, top, and backbody are virtually unbreakable to deliver years of durable performance
- Tri-combo screw heads offer greater installation flexibility

COOPER Lighting Solutions

Technical Data
October 2014

GMDS – Momentary Decorator Switch

Specifications

Switch Type	Momentary Contact
Standards	UL Listed

c UL us RoHS

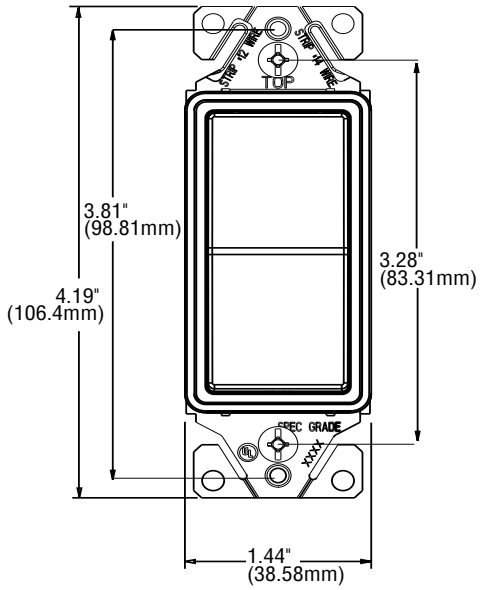
Description/Operation

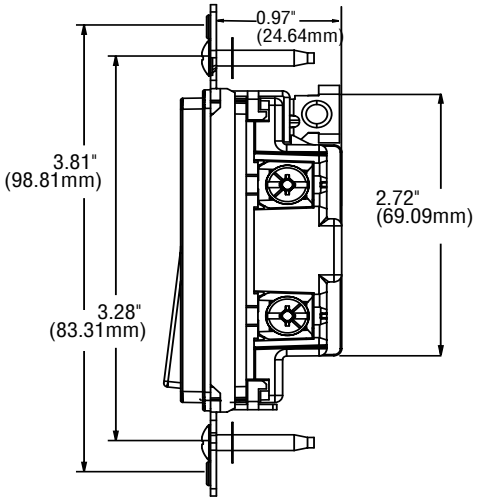
The Momentary Decorator Switch is a line voltage switch used as a low voltage contact closure device used with Greengate Lighting Control Panels and Occupancy Sensors. When toggled, the switch momentarily makes a contact closure to the lighting control panel or occupancy sensor, sending an "ON" signal. When not pressed, the switch is in the (open) position.

Installation

This system accessory will require wall mounting and wiring at the site.

Dimensions

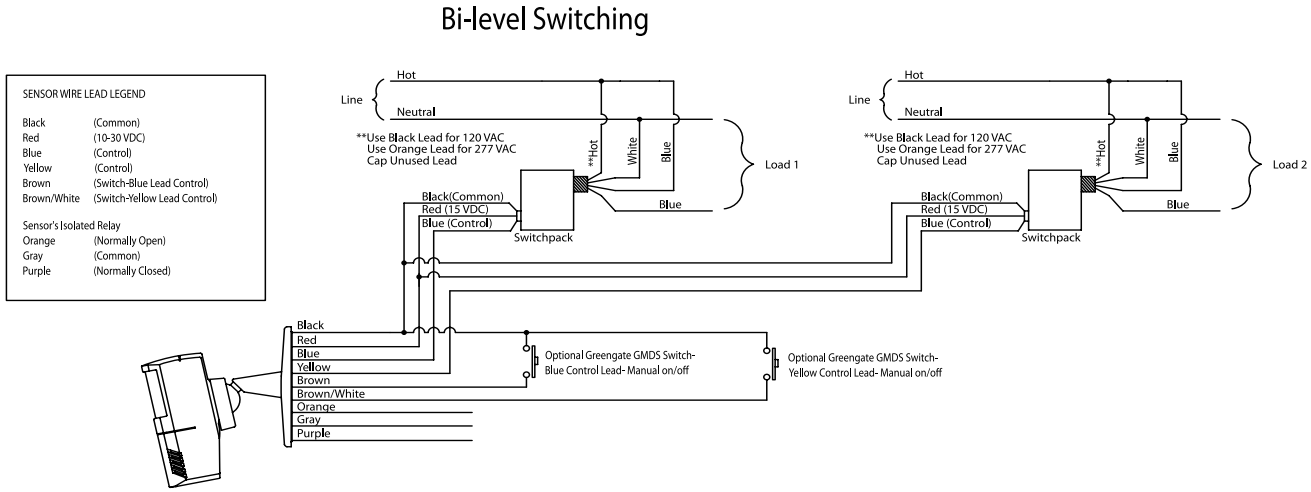




Technical Data
October 2014

GMDS – Momentary Decorator Switch

Wiring Diagram



Ordering

*Wallplate Not Included

This is an accessory for the Greengate Lighting Control System. It is not an integral part of the system. There is no factory assembly needed.

Catalog #	Description	Color
GMDS-W	Momentary Decorator Switch	White

*Refer to Screwless Wallplate spec sheet for ordering information at www.cooperlighting.com

Cooper Lighting Solutions
1121 Highway 74 South
Peachtree City, GA 30269
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www.cooperlighting.com

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October 22, 2014

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Job Name : JACKSON COUNTY AIRPORT - TERMINAL AREA DEVELOPMENT
Manufacturer : INTELLIGENT LIGHTING CONTROLS
Model Number : LLEVO-INT-2

Type :

Catalog Number: | Date: | Project:

intelligent lighting controls
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www.ilc-usa.com
952.829.1900

LightLEEDer

EVO-Integrated -2 Relay Controller

Overview

The LightLEEDer EVO Integrated 2 Relay Controller can operate up to two loads. This Controller includes the configuration options of an EVO with two on-board relays and 0-10V dimming integrated into one package for easy installation. The LLEVO-INT-2 relay Controller is ideal for a small office with two zones of lighting control with daylight harvesting or one lighting zone and a plug load. It has RJ-45 ports for local digital LightSync switches, occupancy sensors, and a photo sensor. This convenient and easy to install two relay Controller can be used as a stand-alone device or networked with other LightLEEDer panels.

Features

- **Made in the USA**
- **2 Isolated load relays** rated up to 20 Amps for lighting loads or plug-loads
- **Galvanically Isolated** 0-10V dimming outputs
- **Occupancy sensor** input RJ-45 port for motion sensor occupancy or vacancy control
- **Photocell Sensor** input RJ-45 port for daylight monitoring
- **RJ-45** port for digital LightSync switch devices
- **Power** for digital LightSync switches, photocell sensor and occupancy sensors
- **Easy installation** with everything Integrated in one convenient box
- **Oversized relays** for extended life of product with contacts designed for LED inrush current
- **Room Controller** remote panels supported
- **Pre-programmed** configurations for vacancy (F1) or occupancy (F2) motion sensors operation and LSG3 switches
- **Standalone or Networked** with any LightLEEDer controller or EVO panel
- **Plenum rated**

Warranty

Five-year limited warranty

Ordering

EVO-Integrated -2 Relay Controller
LLEVO-INT-2

Series:
LightLEEDer
EVO-Integrated 2
Relay Controller

LLEVO-INT-2
3-8-2024 Rev D

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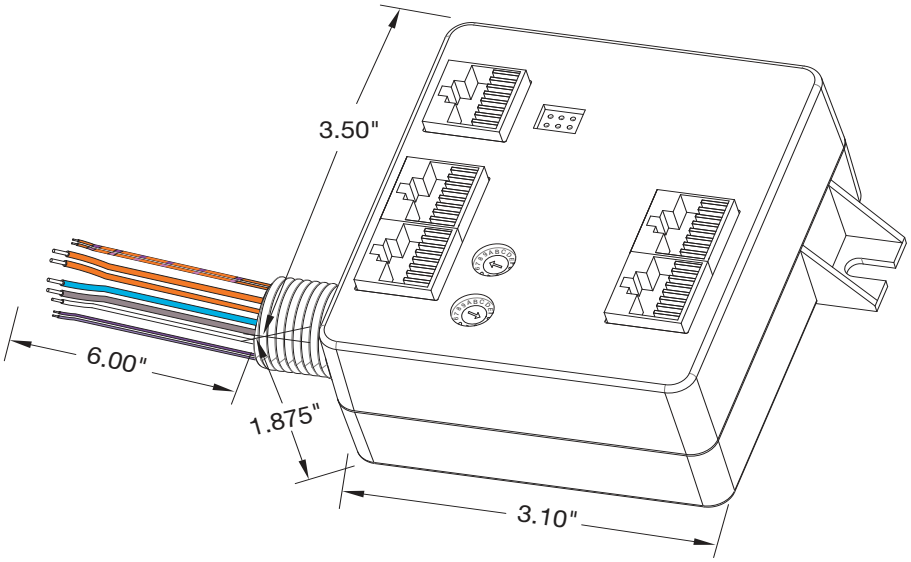
LightLEEDer

EVO-Integrated -2 Relay Controller

Physical



Specifications

Safeguards:
- Power surge and spike suppression up to 123 volts from power supply to controller
- Memory retention for firmware and programming up to 200 years and electrostatic discharge to 4kV
- Galvanically isolation to 1500V for the 0-10VDC dimmer outputs, with revert to 100% on power loss

Physical:
- Enclosure: 3.10" x 3.50" x 1.875"
- Plastic enclosure with 1/2" nipple and mounting tab
- Color coded wire leads for easy field termination
- RJ-45 connectors provide for easy connections

Interfaces:
- Network In/Out ports for LightLEEDer system connection
- Occupancy sensor input with RJ-45 port
- Photocell Sensor input with RJ-45 port for daylight sensor
- RJ-45 port for up to 61 digital LS CAT-5 device addresses

Operating Environment:
- Location: Interior space
- Operating Temperature: 0° to 50° C
- Humidity: 10% - 90% Non-condensing
- Atmosphere: Non-explosive/corrosive
- Vibration: Stationary

Electrical:
- 120/277VAC @ .6 amps
- Dimming: 100mA sink per isolated output

Relays:
- 16A, 120/277VAC Electronic Ballast (LED)
- 20A 120/277VAC General
- 1/4 HP @ 120 VAC Motor Load

- Inputs: 24VDC
- Powered LS Devices, Distance, Input power available
1 CAT-5 Devices, 300' accumulative, 70mA Occupancy sensor power
2 CAT-5 Devices, 500' accumulative, 60mA Occupancy sensor power
3 CAT-5 Devices, 600' accumulative, 50mA Occupancy sensor power
4 CAT-5 Devices, 900' accumulative, 40mA Occupancy sensor power
Note: Aditional CAT-5 devices can be supported by adding a LSPSR, LSPSR4 or LSPSR6

Certifications and Approvals:
- UL and CUL listed
- FCC Part 15
- Title 24
- ASHRAE compliant
- IECC compliant
- Plenum rated

LLEVO-INT-2
3-8-2024 Rev D

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Job Name : JACKSON COUNTY AIRPORT - TERMINAL AREA DEVELOPMENT
Manufacturer : INTELLIGENT LIGHTING CONTROLS
Model Number : LSCS-20

Type :

Catalog Number: | Date: | Project:

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LightSync Digital | **Ceiling Occupancy Sensor**

Overview

The LightSync Digital Occupancy Sensor is a low profile ceiling mount sensor designed to install in a standard commercial ceiling. The sensor is provided with dual-tech operation with passive Infrared and overlapping passive acoustic sensing. Configured over the LightSync digital bus for easy set-up and adjustment, this sensor supports occupancy and vacancy in a single device. The occupancy sensor also has a full range photo sensor supporting open loop or closed loop daylight dimming. The LS digital occupancy sensor uses the newest digital components and detection techniques for superior performance. Sensors detect occupant movement as they move through the field of view via passive infrared technology. Acoustic technology enables enhanced detection once the lighting is turned on.

Features

- Made in the USA
- Low profile ceiling mount duel-tech occupancy and vacancy sensor
- Field configurable for PIR or acoustic sensing operation
- Sensitivity adjustments for passive infrared and acoustic can be independently adjusted to three different levels
- Automatic Gain Control filters background noise to fine tune acoustic sensitivity
- Field configured setting for "no touch" adjustment are all done from the ILC LightLEEDer Pro software
- Dual tech operation is triggered by PIR and uses the acoustic for holding a On state
- Cat-5 ready digitally addressable device
- LED indicators and acoustic sensing can be independently disabled
- Connects directly to a LightLEEDer panel or LLEVO local bus as a LightSync digital device for power and communication, no external power pack required
- Panel level configuration for relay on/off and dimmer control to the local panel or over the ILC network
- Provides control for Relays, Presets, Groups, and Scenes
- Built in selectable photo sensor for full range continuous daylight dimming control
- Auxiliary Relay output for connection to BAS system or Plug-load power pack

Warranty

Five-year limited warranty

Ordering

LightSync Occupancy Sensor

LSCS	-		-	
Series: LightSync Ceiling Sensor		06 = ~600 sq. ft. 20 = ~2,000 sq. ft.		BLANK = Not provided AR = Auxiliary Relay

LSCS-xx
3-19-24 Rev.C

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Job Name : JACKSON COUNTY AIRPORT - TERMINAL AREA DEVELOPMENT
Manufacturer : INTELLIGENT LIGHTING CONTROLS
Model Number : LSCS-20

Type :

Catalog Number: | Date: | Project:

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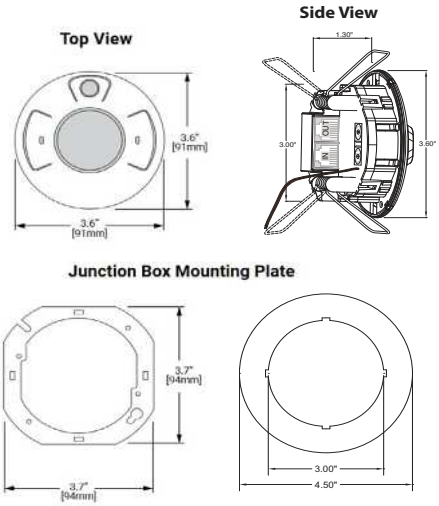
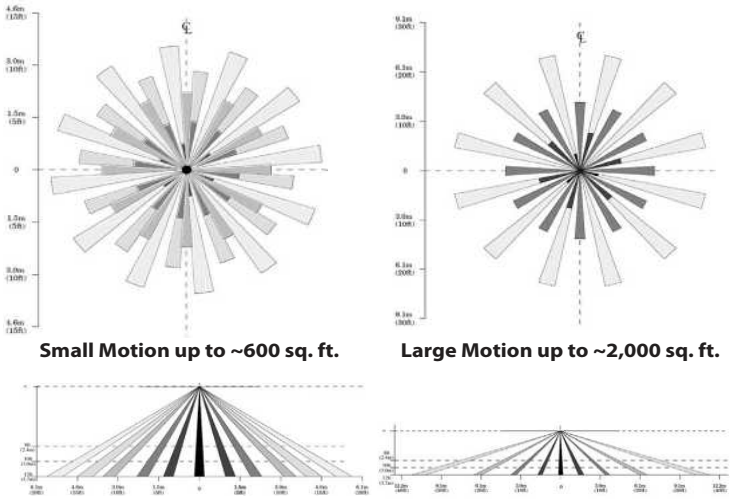
LightSync Digital | **Ceiling Occupancy Sensor**

Physical





Small Motion up to ~600 sq. ft. | Large Motion up to ~2,000 sq. ft.

Designed to be installed into ceiling tile with spring clips or onto junction box with trim ring cover

8 feet to 15 feet mounting height recommended for small and large motion lenses, coverage pattern pending validation

Specifications

Physical:
- 3.6"W x 3.6H x 1.4D (91mm x 91mm x 36mm)
- Low profile recessed ceiling mounting
- Spring retention clips for mounting in 3" hole
- Junction box mounted plate and trim ring provided
- RJ-45 In/Out ports
- Digital addressing switches
- 2-Wire #20AWG leads for auxiliary relay output

Operation:
- Selectable PIR or Dual Tech operation from the LightLEEDer panel or LightLEEDer Pro software
- Time Delay is set from LightLEEDer panel software
- Photo sensor for daylight dimming control configured from LightLEEDer software
- An initial PIR event is required to enable acoustic functionality
- Acoustic sensing overlaps and enhances/extends overall detection and time delay
- Automatic gain control filters ambient noise
- Sensor will re-trigger with acoustic only after an initial 5 minute time-out before a PIR trigger is required to restart the cycle
- Daylight Harvesting photocell sensor can be enabled for true full-range control with 0-255 step resolution in the 0 to 1,800 fc range
- Supports all standard ILC photocell sensor control options
- AR Option provides a auxiliary relay for BAS or plug-load power pack operation

Electrical:
- Powered from the ILC LightSync bus
- Auxiliary relay option supports a 2Amp, 30VDC, NO or NC contact output

Operating Environment:
- Location: Interior space
- Operating Temp: 0° to 40° C (32°F to 104°F)
- Humidity: 10% - 90% Non-condensing
- Atmosphere: Non-explosive/corrosive
- Vibration: Stationary

Certifications and Approvals:
- Class 2 inputs
- FCC Part 15
- Meets local energy codes

LSCS-xx
3-19-24 Rev.C

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LightSync Digital | **G3 Switch**

Overview

The LightSync Digital G3 Switch Station is a modern, versatile and easy to use CAT-5 or 6 device. The G3 comes pre-configured as a Multi-Zone Dimmer, Scene Switch, Scene Multi-Zone Dimmer switch combination or a Non-Dim switch. The MZD supports 1-6 zone, Scene have 1-5 Scenes, Scene MZD stations support a 2S/4Z, 3S/3Z or 4S/2Z combo, the Non-Dim has 1-7 buttons. The dimming buttons allow Press-and-Hold Ramp-Up/Ramp-Down operation, holding a zone button on an MZD will select that zone for individual dimming. All scene buttons support capture of dimming levels to a scene by holding the scene button. G3 digital switches can control and display status for relays, groups, presets or scenes. Stations are also available with Bluetooth for programming and control from the ILC Pro app.

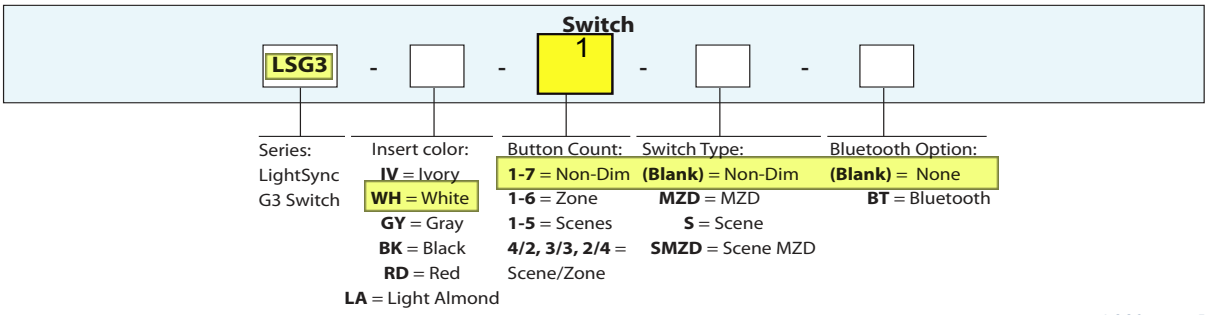
Features

- **Made in the USA**
- **Bluetooth** option for programming and control from EVO-BT app
- **Field Configurable** between multi-zone switches, scene switches and non-dim switches
- **1 to 7 button** zone control configurations
- **Multi-Zone Dimming** for up to 6 zones and All-Off
- **Scene Station** with dimming for up to 5 scenes and All-Off
- **Scene Multi-Zone** with dimming combo for up to 4 Scene or Zones (2S/4Z, 3S/3Z or 4S/2Z) option
- **Scene Capture** operation for all stations with scene buttons
- **Raise and Lower Buttons** for ramp up and ramp down feature
- **Press and Hold** dimming operation
- **Status LEDs** indicate true state of relay, group, last scene or preset
- **Switch Locator** LED helps find the switch in a dark room
- **Laser engraving** is provided, and custom engraving is available, Black and Red buttons are pad-printed
- **Color Change Kit** available for White, Ivory, Gray, Red, Black and Light Almond
- **Addressable** rotary switches
- **Decora®** style single-gang switch plate available upon request

Warranty

Five-year limited warranty

Ordering



LSG3-xx-x-x Rev.C

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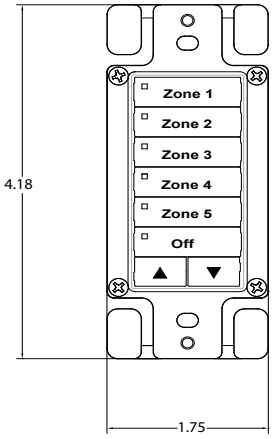
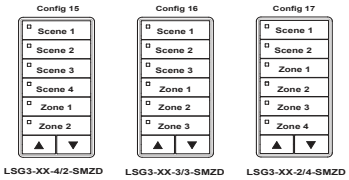
LightSync Digital | **G3 Switch**

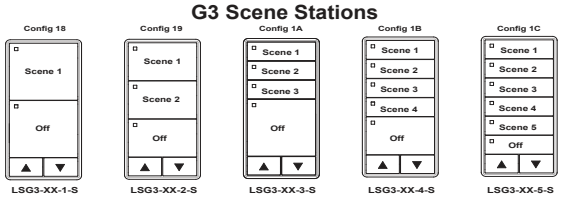
Physical



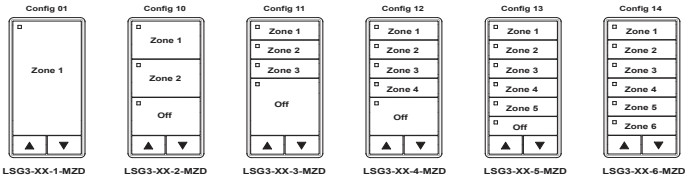
G3 Scene MZD Stations



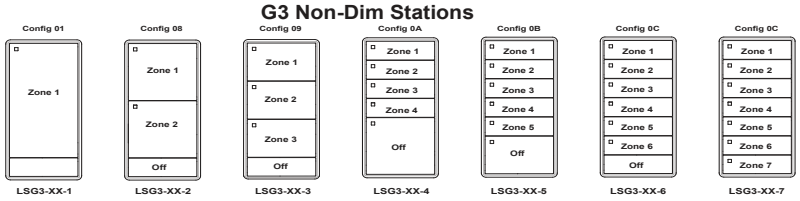
G3 Scene Stations



G3 MZD Stations



G3 Non-Dim Stations



Specifications

Physical:
- Standard single gang mounting
- Digital addressing switches
- RJ45 connectors provided for easy connection
- Mounting screws provided
- Laser engraving standard as shown, Black and Red buttons are pad-printed
- Custom engraving available

Electrical:
- Powered from the panel or LightSync network

Operating Environment:
- Location: Interior space
- Operating Temp.: 0° to 50° C
- Humidity: 10% - 90% Non-condensing
- Atmosphere: Non-explosive/corrosive
- Vibration: Stationary

Certifications and Approvals:
- UL CUL
- FCC Part 15

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Project		Catalog #		Type	
Prepared by		Notes		Date	

Greengate

OAC-DT-MicroSet Dual Tech

Low Voltage Ceiling Sensor

Typical Applications
Classrooms • Conference Rooms • Office Spaces • Common Areas • Computer Rooms • Break Rooms • Hallways • Other Indoor Office Spaces

Interactive Menu

- Order Information page 2
- Additional Resources page 2
- Wiring Diagrams page 3
- Connected Systems page 4
- Product Warranty

Product Certification

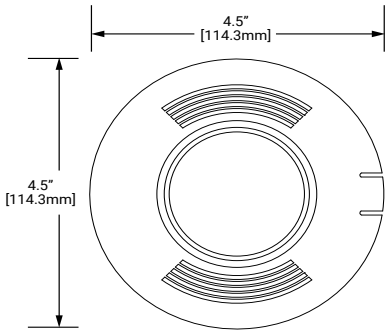
Product Features

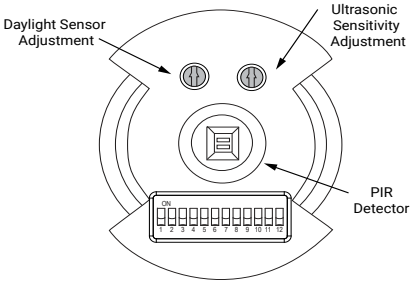
PIR Activated | Ultrasonic Activated | Self-Adjusting

Top Product Features

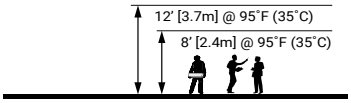
- MicroSet self-adjusting Time Delay and sensitivity
- Optional built-in light level sensor
- Optional BAS/HVAC isolated relay
- Products tested to NEMA WD 7 - 2011 Occupancy Motion Sensors Standard
- Selectable Walk-Through Mode
- Dual Relay control

Dimensional and Mounting Details





Scale or Mounting Height



additional product diagrams

Greengate OAC-DT-MicroSet

Order Information

SAMPLE ORDER NUMBER: **OAC-DT-2000-R, OAC-DT-2000, OAC-DT-1000-R, OAC-DT-1000, OAC-DT0501-R, OAC-DT-0501**
One single gang wallplate included

Catalog Number	Maximum Room Size	Field of View	Freqency	Features
OAC-DT-2000-R	2,000 sq. ft.	Two Way (360°)	30 kHz	w/ BAS Relay & Daylight Sensor
OAC-DT-2000	2,000 sq. ft.	Two Way (360°)	32 kHz	
OAC-DT-1000-R	1,000 sq. ft.	Two Way (360°)	32 kHz	w/ BAS Relay & Daylight Sensor
OAC-DT-1000	1,000 sq. ft.	Two Way (360°)	32 kHz	
OAC-DT-0501-R	500 sq. ft.	One Way (180°)	40 kHz	w/ BAS Relay & Daylight Sensor
OAC-DT-0501	500 sq. ft.	One Way (180°)	40 kHz	

Product Specifications

Technology
- Passive Infrared (PIR) and Ultrasonic (US)

Mechanical
Size: 1.42" H x 4.5" W (36.068mm x 114.3mm)
Mounting: Mounts directly to ceiling tile, to a 4" square box and round mud ring or to 4" octagon box
Environment:
- **Operating temperature:** 32°F to 104°F (0°C to 40°C)
- **Relative humidity operating:** 20% to 90% non-condensing
- For indoor use only

Housing: Durable, injection molded housing. Polycarbonate resin complies with UL 94V-0

Electrical
Power Requirements:
- Input
  - 10-30 VDC from Greengate Switchpack or Greengate system
  - Maximum current needed is 25mA per sensor
- Output
  - Open collector output to switch up to ten Greengate Switchpacks
  - BAS with Isolated Form C Relay in (-R) model
  - Isolated Form C Relay Ratings: 1A 30 VDC/VAC

Hardware Specifications
LED Indicators:
- Red LED for PIR detection; Green LED for Ultrasonic detection

Controls and Performance
Time delays:
- Self-adjustable, 15 seconds/test (10 minutes Auto), or Selectable 5, 15, 30 minutes, or Zero Time Delay

Coverage:
- 500, 1000, and 2000 sq. ft.

Light sensing level (-R Models):
- 0 to 300 foot candles

Standards/Ratings
- cULus Listed - Energy Management Equipment (UL916)
- FCC Compliant
- RoHS Compliant

Warranty
Five year warranty standard

Overview

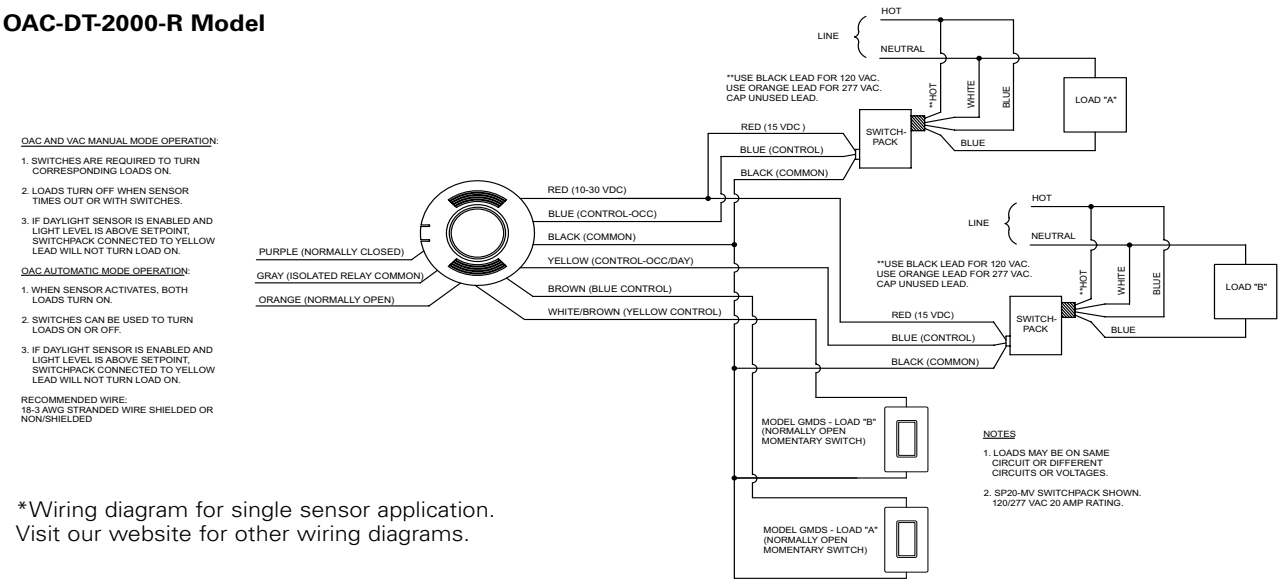
The Dual Technology sensor's combination of Ultrasonic and Passive Infrared technologies offers the most complete sensing equipment available today. MicroSet self-adjusting Dual Technology sensors drastically simplify and reduce a contractor's installation and adjustment time period.

The MicroSet self-adjusting technology continuously monitors multiple sub-frequencies in the event that if a continuous Doppler shift occurs, such as those created by airflow from an air duct, the sensor will identify the noise as continuous and then block it out of view at a select sub-frequency. It will continue to monitor other sub-frequencies for human motion. This avoids false-activation, while still maintaining the high level of sensitivity that is necessary for sensing minor motion in a changing environment. Separate concurrent time delays for both Passive Infrared and Ultrasonic technologies avoid false activations or deactivations. In Automatic On Mode, the lights turn ON when a person enters the room. In Manual On Mode (-R model only), the lights are turned ON by activating a momentary switch (model # GMDS-*) that is connected to the sensor. When enabled, the daylighting feature (-R models only) prevents lights from turning ON when the room is adequately illuminated by natural light.

Greengate — OAC-DT-MicroSet

Wiring Diagrams

OAC-DT-2000-R Model



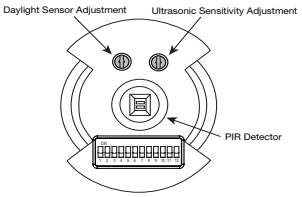
*Wiring diagram for single sensor application.
Visit our website for other wiring diagrams.

Controls

DIP Switch Legend

	Time Delay		Activation		PIR Sensitivity	Walk-Through Mode	LEDs	Override	Sweep	Full/Half Logic	HVAC/Tracking	Zero Time Delay
			Relay 1	Relay 2								
DIP Switch	1	2	3	4	5	6	7	8	9	10	11	12
Auto*	▼	▼	Auto ▼	Auto ▼	Full ▼	Disable ▼	Enable ▼	Disable ▼	Disable ▼	**Full** ▼	Disable ▼	Disable ▼
5 Minutes	▼	▲	Manual ▲	Manual ▲	50% ▲	Enable ▲	Disable ▲	Enable ▲	Enable ▲	**Half** ▲	Enable ▲	Enable ▲
15 Minutes	▲	▼	**(-R model only)**	**(-R model only)**						**(-R model only)**	**(-R model only)**	
30 Minutes	▲	▲										
**Self-Adjusts to 10 min. user mode*												

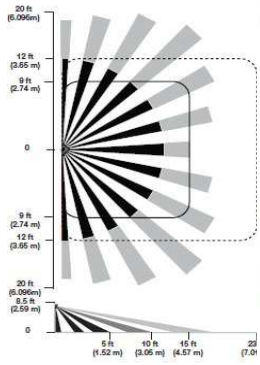
Default =



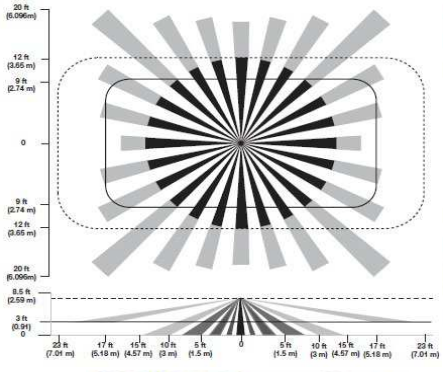
Greengate OAC-DT-MicroSet

Field of View

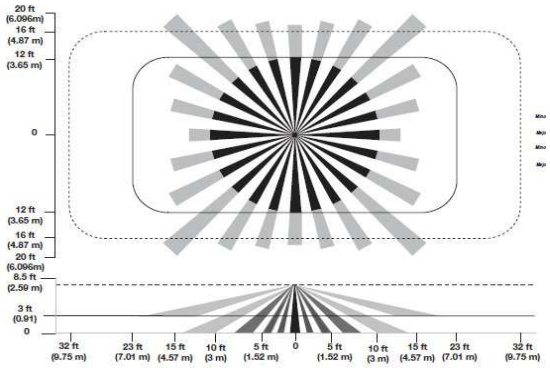
OAC-DT-0501-R
500 sq. ft.

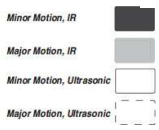


OAC-DT-1000-R
1,000 sq. ft.



OAC-DT-2000-R
2,000 sq. ft.





Maximum coverage area may vary somewhat according to room shape and the presence of obstacles.

The NEMA WD 7 Guide and robotic method were utilized to verify coverage patterns.

Ceiling Height = 8.5 ft

Control Systems

- Greengate

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Specifications and dimensions subject to change without notice.

Project		Catalog #		Type	
Prepared by		Notes		Date	

Greengate

ONW-D-1001 Wall Switch Sensor with Ground Required

Dual Tech, Single Pole, 120/277/347 VAC
Wall Switch Occupancy Sensor
(Ground Required)

Typical Applications
Office • Small Conference Rooms • Lunch/Break Rooms • Classrooms • Restrooms (1-2 Stalls) • Lounges • Waiting Rooms • Closets • Storage Areas

Interactive Menu

- Order Information page 2
- Additional Resources page 2
- Wiring Diagrams page 3
- Product Warranty

Product Certification

Product Features

PIR Activated · Ultrasonic Activated · Self-Adjusting · California Title 20 Compliant

Overview

The Dual Technology Single Level Occupancy Sensing Wall Switch is a motion sensing lighting control and conventional wall switch all-in-one that is used to for energy savings and convenience. It does not require a neutral wire for installation making it ideal for retrofit applications.

The ONW-D-1001-MV combines Ultrasonic (US) and Passive Infrared (PIR) sensor technologies to monitor a room for occupancy to deliver maximum energy savings and ensure the greatest sensitivity and coverage for tough applications without the threat of false triggers. PIR is used to turn the lights ON and then either or both technologies are used to keep the lights ON. In Automatic On Mode, the lights turn ON automatically when a person enters the room. In Manual On Mode, the lights are turned ON by pressing the universally recognized light icon pushbutton. The sensor includes self-adaptive technology that continuously self-adjusts sensitivity and time delay in real-time, maximizing the potential energy savings that are available in the particular application.

Top Product Features

- Air-gap switch ensures no leakage current to load
- Selectable built-in light level sensor
- NEMA WD7 Guide robotic method utilized to verify coverage patterns
- LED Rated

Greengate ONW-D-NeoSwitch

Order Information

SAMPLE ORDER NUMBER: **ONW-D-1001-MV-W**
One single gang wallplate included.

Catalog Number

Catalog Number	Ratings	Coverage	Voltage	Color
ONW-D-1001-MV- * (*-W, V, LA, G, B, R)	Incandescent: 0-800W @ 120V Fluorescent: 0-1200W @ 120V Fluorescent: 0-2700W @ 277V Max Load/Relay	180°; 1000 sq. ft.	120/277 VAC, 50/60 Hz	W=White, V=Ivory, LA=Light Almond, G=Gray, B=Black, R=Red
				Notes Not all colors are available in stock and some color options may have extended lead times.

SAMPLE ORDER NUMBER: **ONW-D-1001-347-W**
One single gang wallplate included. Wallplate not included with 347 VAC Model.

Catalog Number

Catalog Number	Ratings	Coverage	Voltage	Color
ONW-D-1001-347- * (*-W, V, LA, G, B, R)	Incandescent: 0-1500W @ 347V Fluorescent: 0-1500W @ 347V Max Load/Relay	180°; 1000 sq. ft.	347 VAC, 50/60 Hz	W=White, V=Ivory, LA=Light Almond, G=Gray, B=Black, R=Red
				Notes Not all colors are available in stock and some color options may have extended lead times.

Product Specifications

Technology
- Passive Infrared (PIR) and Ultrasonic (US) technology

Mechanical
Mounting Plate/Strap Dimensions: 4.195" H x 1.732" W (106.55mm x 44mm)
Mounting Plate/Strap Dimensions: ONW-D-1001-347: 4.35" H x 1.732" W (110.49mm x 44mm)
Product Housing Dimensions: 2.618" H x 1.752" W x 1.9" D (66.5mm x 44.5mm x 48.26mm)
Environment:
- **Operating temperature:** 32°F to 104°F (0°C to 40°C)
- **Relative humidity operating:** 20% to 90% non-condensing
- For indoor use only

Housing: Durable, injection molded housing. ABS resin complies with UL 94V-0
Mounting: Fits in a standard 3.5" deep back box Can be mounted in multiple gang back box Refer to NEC box calculation for properly sized mounting box

Electrical
Electrical ratings (per relay):
- 120 VAC
  - Incandescent / Tungsten max load: 6.7 amps, 800W, 50/60 Hz
  - Fluorescent / Ballast max load: 10 amps, 1200W, 50/60 Hz
  - Electronic Ballast (LED): 3A
  - Motor Load: 1/4 HP @ 125 VAC
- 277VAC
  - Fluorescent / Ballast max load: 9.8 amps, 2700W, 50/60 Hz
  - Electronic Ballast (LED): 3A
- 347VAC
  - Fluorescent / Ballast max load: 4.3 amps, 1500W, 50/60 Hz
  - Electronic Ballast (LED): 3A

Ballast compatibilty:
- LED loads
- Magnetic and Electronic ballasts

Hardware Specifications
LED Indicators:
- Red LED = PIR detection
- Green LED = Ultrasonic detection

Controls and Performance
Time delays:
- Self adjusting 15 seconds/test (10 min. Auto)
- Selectable 5, 15, 30 minutes

Coverage:
- Major motion: 36' x 30'
- Minor motion: 20' x 16'

Light sensing level:
- 0 to 200 foot candles

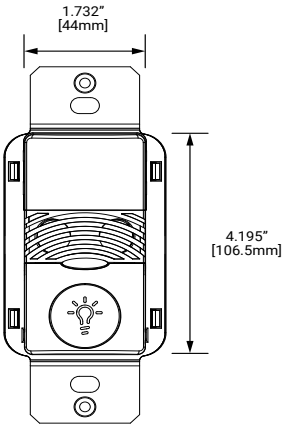
Standards/Ratings
- cULus Listed - Energy Management Equipment (UL916)
- FCC Compliant
- RoHS Compliant

Warning
- This product is not intended to be used in applications involving the use of ammonia-based or VOC cleaners.
- Use of ammonia-based or VOC cleaners on this device must be avoided. Prolonged use may cause loss of integrity and expose electrified components. If this occurs, turn OFF power to the unit and replace.
- For detailed cleaning guidelines please refer to: Controls Care and Maintenance instructions at the end of this document.

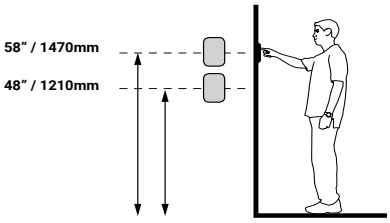
Warranty
Five year warranty standard

Greengate ONW-D-NeoSwitch

Dimensional and Mounting Details

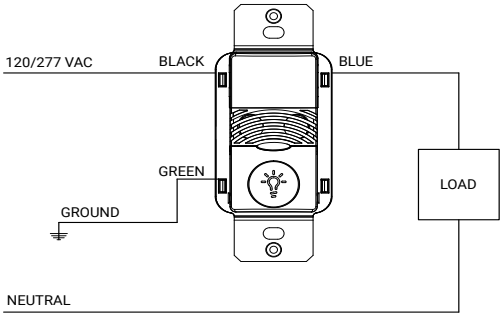


Scale or Mounting Height

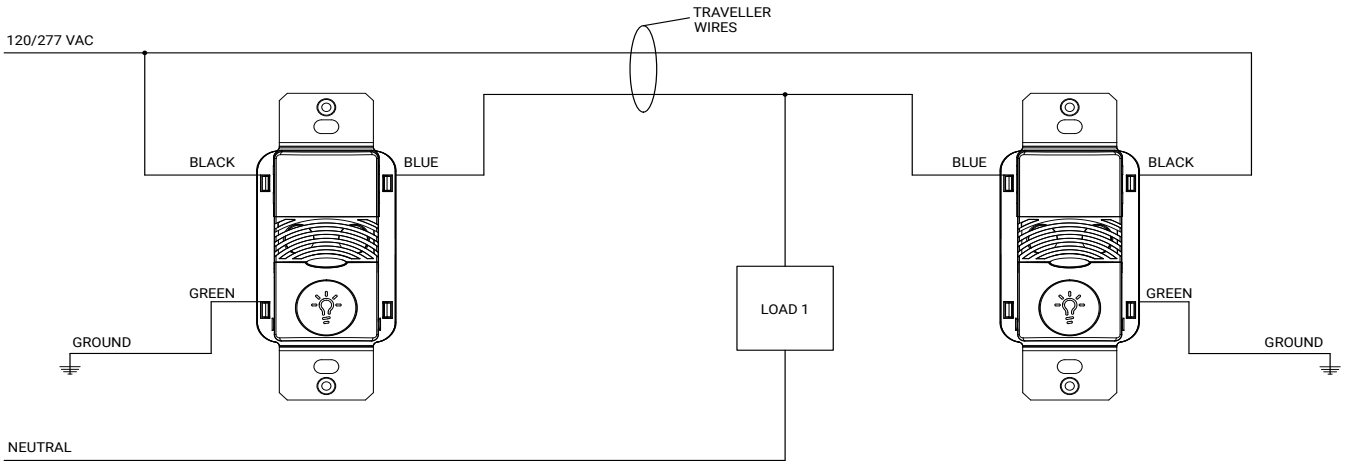


Wiring Diagrams

Single Level Switching - Single Circuit



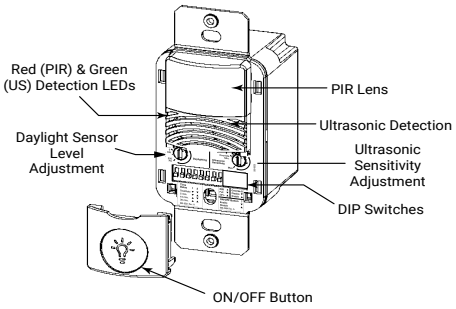
Three-way wiring diagram: Lights will turn OFF automatically when sensor that detected motion last, times out.



*** For 347 VAC wiring diagrams refer to Installation Instructions**

Greengate ONW-D-NeoSwitch

Controls

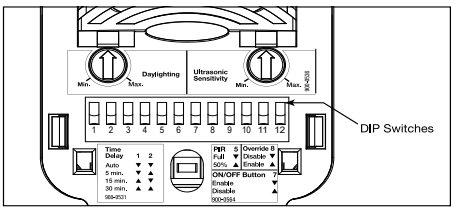


DIP Switch Legend

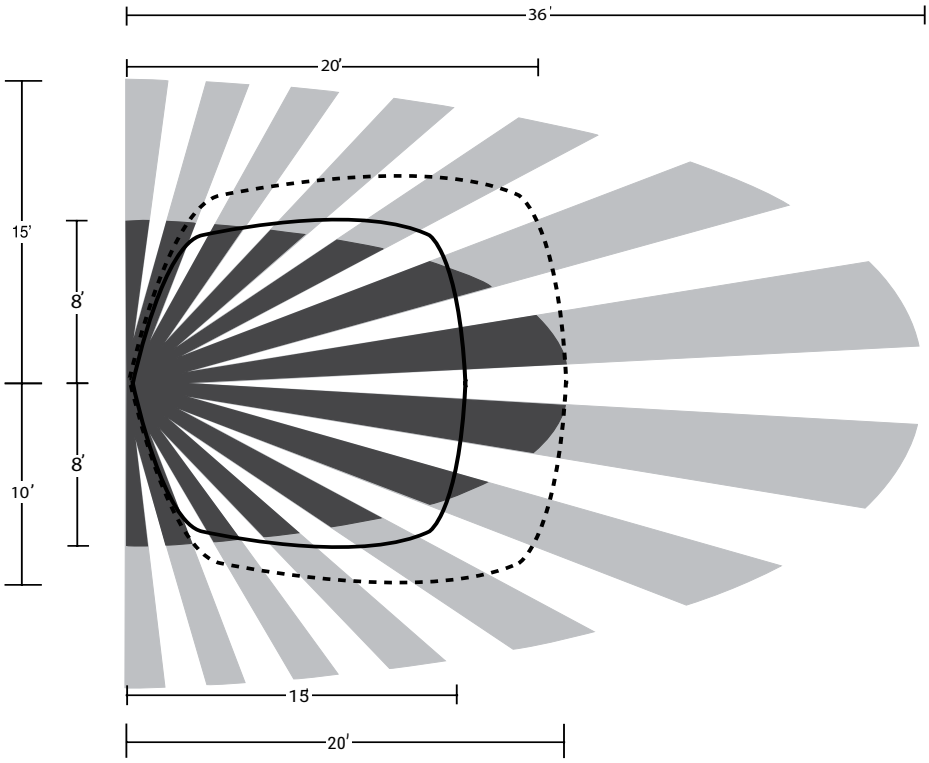
	Time Delay		Activation			PIR Sensitivity	Walk-Through Mode	ON/OFF Button	Override	Not Used	Maintain Lights On	Not Used	
			Relay 1		Not Used								
DIP Switch	1	2	3		4	5	6	7	8	9	10	11	12
15 Sec Test/Auto*	▼	▼	Auto	▼		Full ▼	Disable ▼	Enable ▼	Disable ▼		Either ▼		
5 Minutes	▼	▲	Manual	▲		50% ▲	Enable ▲	Disable ▲	Enable ▲		Both ▲		
15 Minutes	▲	▼											
30 Minutes	▲	▲											

*Self-Adjusts to 10 min. user mode

Default =



Field of View



Minor Motion, IR

Major Motion, IR

Minor Motion, Ultrasonic

Major Motion, Ultrasonic

Maximum coverage area may vary somewhat according to room shape and the presence of obstacles.

Control Systems

- Greengate

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Specifications and dimensions subject to change without notice.

Controls
Care & Maintenance

Cooper Lighting Solutions

Cooper Lighting Solutions has developed recommended guidelines for cleaning our products that will not impact the operation or finish of the product.

image for reference only

Recommended cleaning tips:

- **Never spray any fluids directly into the device.**
- **Use of ammonia-based or VOC cleaners on this device must be avoided.** Prolonged use may cause loss of integrity and expose electrified components. If this occurs, turn OFF power to the unit and replace.
- **Use a damp rag or single-use wipe** to avoid excess liquid penetrating the device.
- Be sure to wipe up remaining excess liquid after cleaning.
- Ensure the cleaning agent used does not have harsh chemicals such as bleach, ammonia, highly alkaline or concentrated acids (such as hydrochloric acid that can be found inhousehold cleaners such as toilet bowl cleaners, bathroom tile and porcelain cleaners) as they could damage the device, causing them to become brittle and discolored.
- Cooper Lighting Solutions recommends the use of a mild liquid detergent and water to clean the devices. Single use wipes (e.g. Lysol brand or equivalent) are acceptable to use for cleaning the devices, however the single-use wipes **cannot contain bleach, ammonia, highly alkaline or concentrated acids.**

⚠ WARNING

This product is not intended for use in applications involving the use of ammonia-based or VOC cleaners.

Prolonged use may cause loss of integrity and expose electrified components.

If this occurs, turn OFF power to the unit and replace.

Recommended cleaning instructions:

- **Never spray any fluids directly into the device.**
- Apply the mild liquid detergent to a damp cloth or paper towel. Single use wipes (e.g. Lysol brand or equivalent) are acceptable to use for cleaning the devices, however single-use wipes cannot contain bleach, ammonia, highly alkaline or concentrated acids.
- If excess liquid is present, remove by wringing out the cloth or paper towel to avoid liquid penetration into the device.
- Clean the Cooper Lighting Solutions device by wiping over the surface with the damp cloth.
- Remove an excess liquid remaining on the device with a dry cloth or paper towel.

COOPER Lighting Solutions

Cooper Lighting Solutions
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com
For service or technical assistance:
1-800-553-3879

Canada Sales
5925 McLaughlin Road
Mississauga, Ontario L5R 1B8
P: 905-501-3000
F: 905-501-3172

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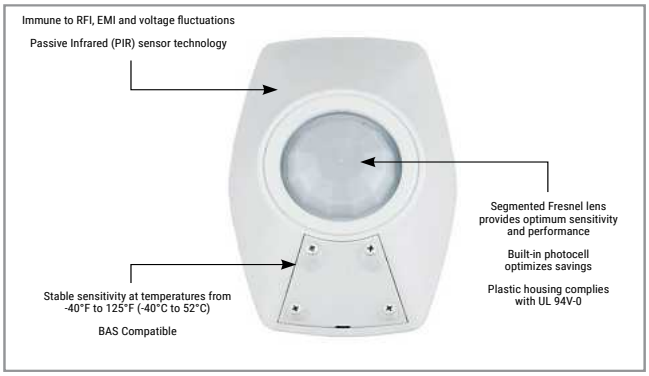
Product availability, specifications, and compliances are subject to change without notice.

SA50317022
April 2024

Project		Catalog #		Type	
Prepared by		Notes		Date	



Greengate

OXC-P Extreme Temperature PIR Ceiling Sensor

Provides consistent, stable coverage where extreme heat, cold or humidity must be accommodated and where there are wide fluctuations in temperature

Typical Applications
Parking Structures • Warehouses (OXC-P-2MH0-R)
High Ceilings • Walk-in Freezers (OXC-P-1500-R) • Cold Storage

Interactive Menu

- Order Information page 2
- Wiring Diagrams page 3
- Additional Resources page 4
- Product Warranty

Product Certification

Product Features

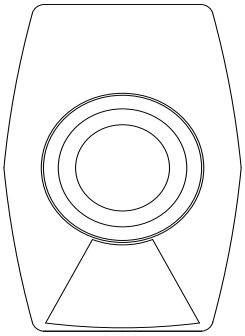
PIR Activated

Extreme Temperature

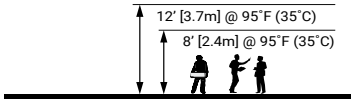
Top Product Features

- The Passive Infrared Extreme Temperature sensor provides consistent, stable coverage where extreme heat, cold or humidity must be accommodated and where there are wide fluctuations in temperature.
- Temperature compensating circuitry stabilizes sensitivity at temperatures –40° F to 125° F (-40° C to 52° C).
- UL Listed for damp locations
- OXC-P-2MH0-R works at heights up to 25 ft.
- Ambient light control circuit to avoid false-on/off from brief changes in background light
- Temperature-compensating circuitry avoids false activation in extreme conditions
- Products tested to NEMA WD 7 - 2011 Occupancy Motion Sensors Standard

Dimensional Details



Mounting Height



additional product diagrams

COOPER Lighting Solutions

Greengate — Extreme Temperature PIR Ceiling Sensor

Order Information

Catalog Number

Catalog Number	Coverage	Field of View	Features
OXC-P-1500-R	Up to 1,500 sq. ft	Two Way (360°)	w/BAS Relay & Daylight Sensor
OXC-P-2MH0-R	When mounted @ 25 ft., up to 25 ft. in all directions or 50 linear ft. for warehouse aisles	Two Way (360°)	w/BAS Relay & Daylight Sensor

Product Specifications

Key Features
- Passive Infrared (PIR) technology

Note:
- Fresnel lens made of UV stabilized Poly-IR material.
- Coverage pattern tested to NEMA WD 7

Mechanical
Size: 1-5/8"H x 4-1/2"W x 3-1/8"D (41.3mm x 114.3mm x 79.4mm)
Environment:
- **Operating temperature:** -40° F to 125° F (-40° C to 52° C)
- **Relative humidity operating:** Relative humidity: less than 95%, non-condensing
- Indoor or outdoor (refer applications section)

Mounting: Box Mount, Surface Mounted
Mounting Height: 25 ft
Housing: Medium impact injection molded housing.
ABS resin complies with UL 94V-0. Paintable off-white

Electrical
Input Requirements:
- 10-26 VDC from Greengate Switchpack or Greengate system
- Maximum current needed is 25 mA per sensor
- Adjustable from 180-3 LUX

Output Requirements:
- Open collector output to switch up to ten Greengate Switchpacks
- Isolated Form C Relay Ratings: 1A 30 VDC/VAC

Hardware Specifications
Ambient Light Level Features:
- Adjustable from 180-3 LUX

Status Indicators:
- LED indicators
  - Red LED for PIR detection

Controls and Performance
Technology: Motion Detection Technology
Time delays:
- Auto, 5, 10 and 20 minutesNote: Test mode option set by DIP switch with with 15 seconds time delay

Standards/Ratings
- UL Listed

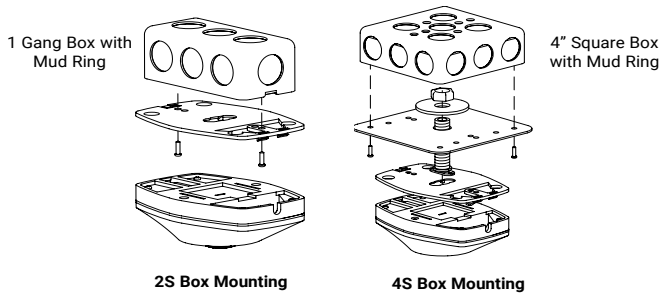
Warranty
Consult website for warranty information

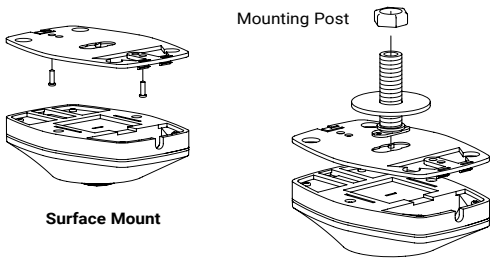
Greengate — Extreme Temperature PIR Ceiling Sensor

Overview

The Passive Infrared Extreme Temperature sensor provides consistent, stable coverage where extreme heat, cold or humidity must be accommodated and where there are wide fluctuations in temperature. Temperature compensating circuitry stabilizes sensitivity at temperatures −40° F to 125° F (-40° C to 52° C).

Mounting





SENSOR: The sensor mounts to normal ceiling tile through a 3/4" hole. The threaded mounting post may be cut down if it is too long to fit into the junction box. The sensor may also be surface mounted or mounted to a standard NEMA 2S or 4S junction box. **CAUTION:** Finger-tighten the nut to avoid stripping the mounting post. Do not apply pressure to Fresnel lens.

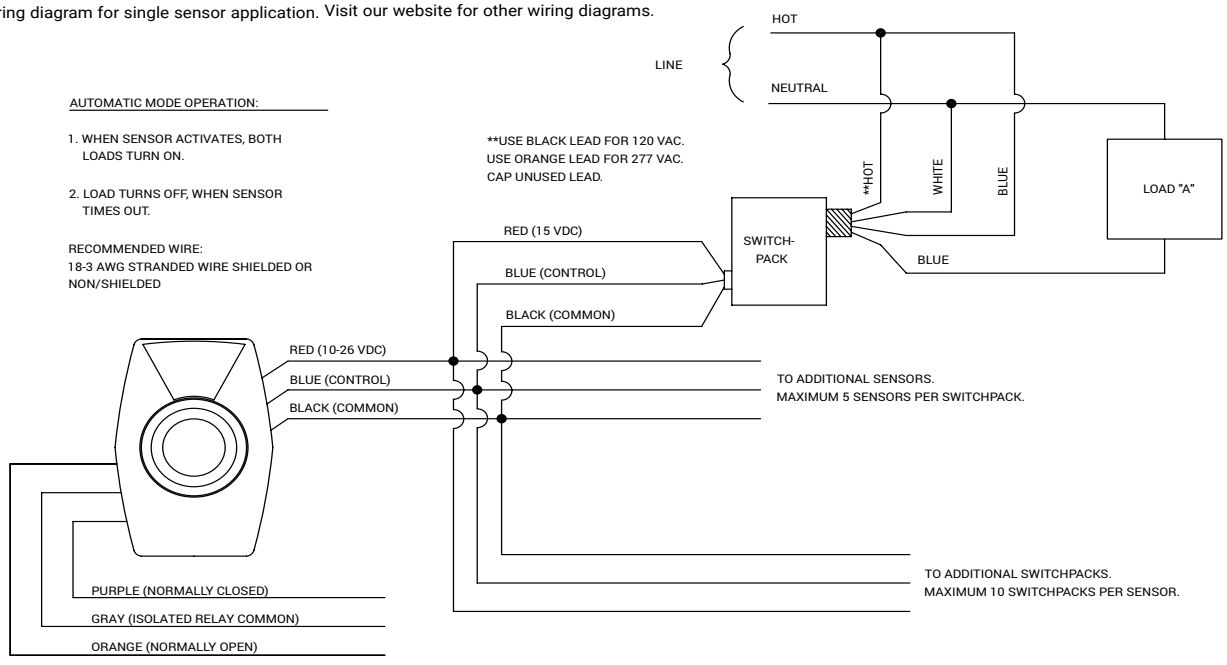
BACKPLATE: The sensor can be easily snapped onto or pulled away from the backplate without disturbing the mounting hardware. To pull the sensor away from the backplate, place your fingers on the door on the front of the sensor and slide your fingers up onto the back end of the sensor, with your fingers resting below the edge of the backplate. As you press against the sensor, use your other hand to grip the opposite end of the sensor and pull it away from the backplate.

To snap the sensor back onto the backplate, place the end of the sensor without a door against the backplate first, hooking the edge of the sensor on the two small prongs that extend from the backplate. Press the other end of the sensor against the backplate until it snaps into place.

SWITCHPACK: Designed to be mounted externally to any junction box. When mounted, the line connections are inside the box and the Class 2 wiring exits the rear of the Switchpack housing. In areas where Class 2 wiring is not permitted, the Switchpack can be mounted internally to any standard electrical box.

Wiring Diagram

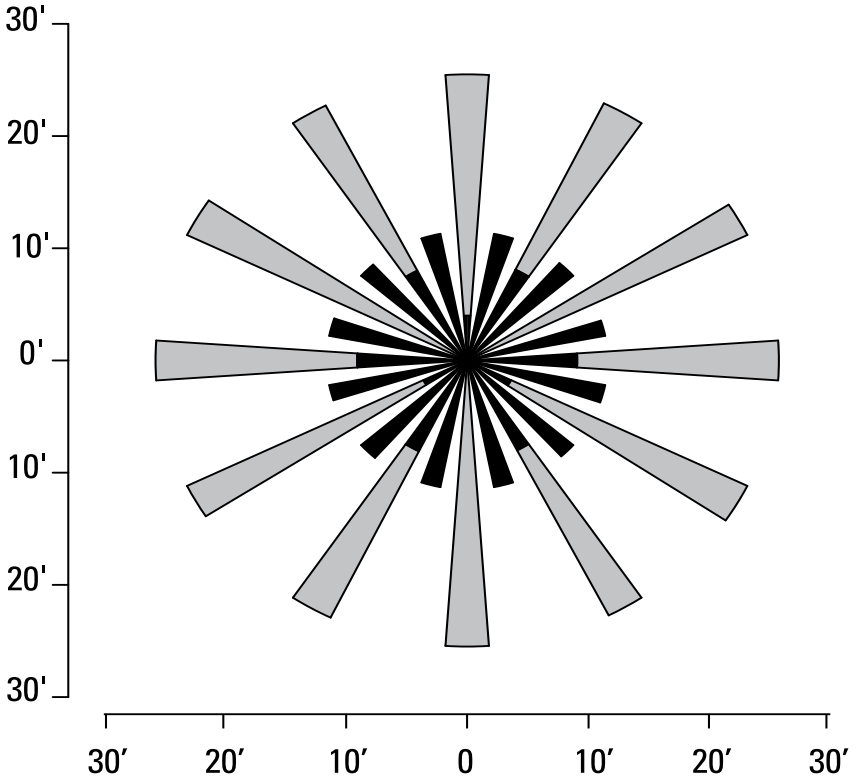
*Wiring diagram for single sensor application. Visit our website for other wiring diagrams.



Greengate — Extreme Temperature PIR Ceiling Sensor

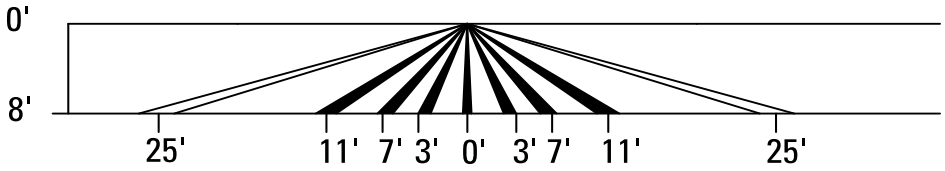
Field of View

TOP VIEW:



Note: The "beam" pattern obtained depends strongly on the detector used with this array. The pattern shown is intended solely as a general guide and is not to scale.

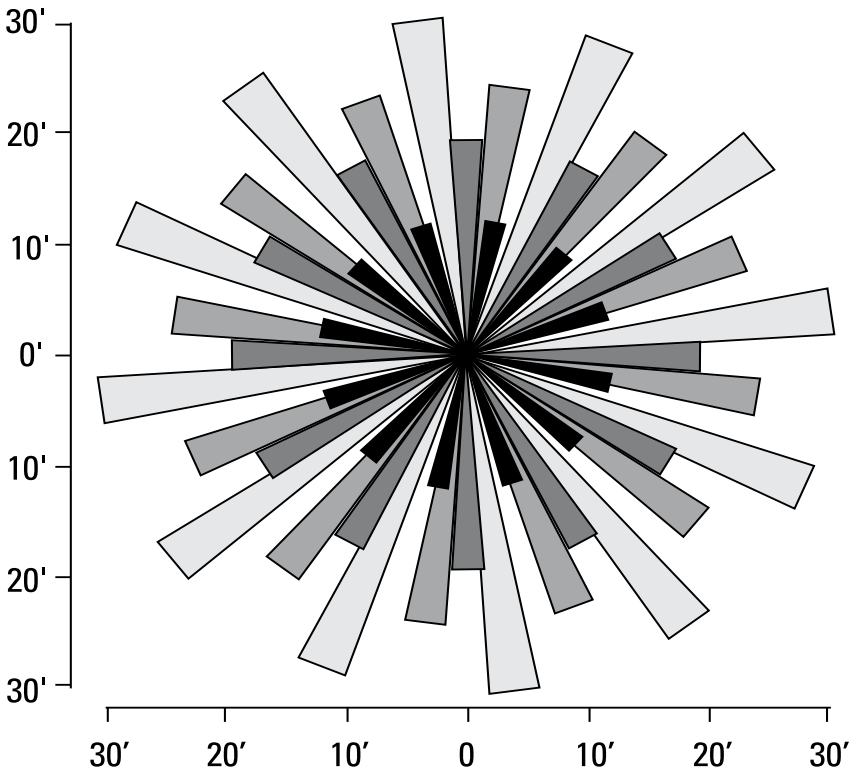
SIDE VIEW:



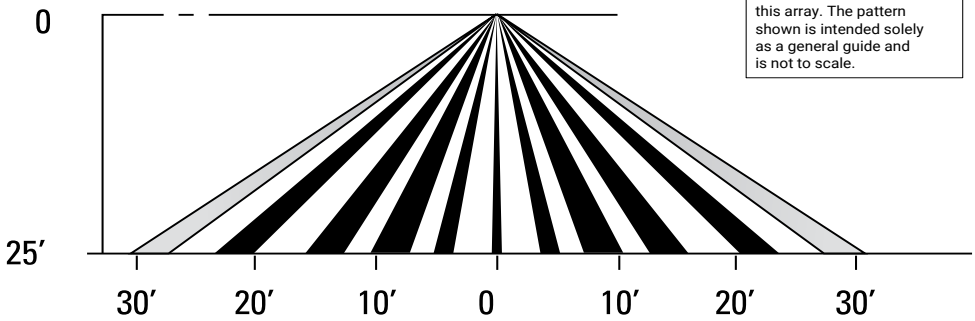
Greengate — Extreme Temperature PIR Ceiling Sensor

Field of View

TOP VIEW:



SIDE VIEW:



Note: The "beam" pattern obtained depends strongly on the detector used with this array. The pattern shown is intended solely as a general guide and is not to scale.

Control Systems

- Greengate

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Specifications and dimensions subject to change without notice.

Project		Catalog #		Type	
Prepared by		Notes		Date	

Greengate

SP20-RD4 Heavy Duty Switchpack

Provides 24 VDC operating voltage to all low-voltage, 24 VDC occupancy sensors and daylighting controllers

Interactive Menu

- Order Information page 2
- Wiring Diagrams page 3
- Mounting Diagrams page 4
- Connected Systems page 4
- Product Warranty

Product Certification

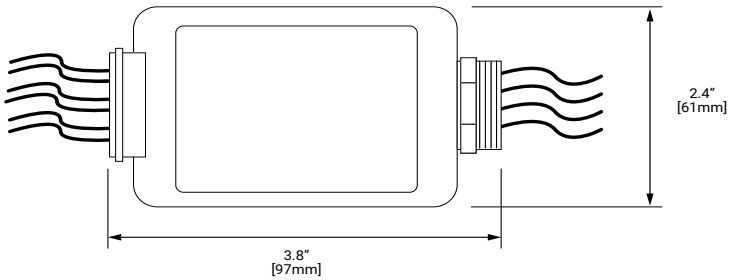
- Meets ASHRAE Standard 90.1 requirements
- Meets Title 24 requirements

Product Features

Top Product Features

- Auto ON or Manual On
- Photocell ready
- Fail-safe circuitry – in the event of failure, return-to-closed (ON) capability
- Zero-crossing circuit provides increased durability, especially with today's high inrush loads
- Voltage regulated to 24VDC, 225mA
- LED ready
- Suitable for general purpose plug load control

Dimensional and Mounting Details



additional product diagrams

Greengate — Heavy Duty Switchpack

Order Information

Catalog Number

Catalog Number	Ratings	(LED) Ballast	General Purpose (Plug Load)	Motor (HP)	Output
SP20-RD4	120-230-277VAC, 50/60 Hz	16A	20A	1/2HP-120V, 2HP-250V	24 VDC, 225mA

Product Specifications

Key Features

- The SP20-RD4 is the latest addition to the Greengate Switchpacks family, delivering a wide array of switching solutions in a single unit
- This robust switchpack is designed to deliver unmatched performance
- The SP20-RD4 features robust and reliable mechanical latching relays, exclusive fail-safe circuitry, daylight harvesting, bi-level switching and is configurable for energy code requirements
- The switchpack is specifically designed to handle high inrush electronic ballast loads and offer unmatched durability and service
- Can be used to comply with NY LL48, IECC, ASHRAE 90.1 and Title 24, Part 6 daylight harvesting, demand response, bi-level switching and receptacle control requirements
- Auto-ON / Auto-OFF with local switch
- Manual-ON / Auto-OFF with local switch

Mechanical

Size: 2.40”H x 3.81”W x 1.43”D (60.96mm x 96.80mm x 36.37mm)
Environment:

- **Operating temperature:** 32°F - 122°F (0°C - 50°C)
- **Relative humidity operating:** 0-90%, non-condensing
- For indoor use only

Mounting: Plenum rated for external junction box mounting, with Teflon coated leads
Housing:

- **Case:** high impact, UL rated plastic
- **Relay:** 60A rated magnetic latching relay; silver alloy contacts
- Wire: 6” leads, 18AWG input; 14AWG load; LV connections: 8” leads 22AWG
- Medium impact injection molded housing.
- ABS resin complies with UL 94V-0.

Electrical

Input:

- 120-230-277VAC, 50/60 Hz

Output:

- 20A, 2400W @ 120V – Resistive
- 20A, 2400W @ 120V – General Purpose
- 20A, 2400W @ 120V – Incandescent
- 20A, 2400W @ 120V – Fluorescent
- 16A, 1920VA @ 120V – Electronic Ballasts
- 16A, 1920W @ 120V – LED
- 20A, 5540W @ 277V – Resistive
- 20A, 5540W @ 277V – General Purpose
- 20A, 5540VA @ 277V – Fluorescent
- 16A, 4430VA @ 277V – Electronic Ballasts
- 16A, 4430W @ 277V – LED
- 1/2 HP @ 120V – Motor Load
- 2 HP @ 240/277V – Motor Load
- Suitable for general purpose plug load control - 20A, 2400W @120V
- Can be used to comply with NY LL48, IECC, ASHRAE 90.1 and Title 24, Part 6 daylight harvesting, demand response, bi-level switching and receptacle control requirements

Control: 2mA, 24VDC
Load: 1 HP 120-240 VAC; 2 HP 250 VAC
Ballast compatibilty:

- LED loads
- Magnetic and Electronic ballasts

Standards/Ratings

- UL/cUL Listed
- FCC Certified
- NOM Certified
- Can be used to comply with NY LL48, IECC, ASHRAE 90.1 and Title 24, Part 6 daylight harvesting, demand response, bi-level switching and receptacle control requirements

Environmental Regulations:

- RoHs Compliant

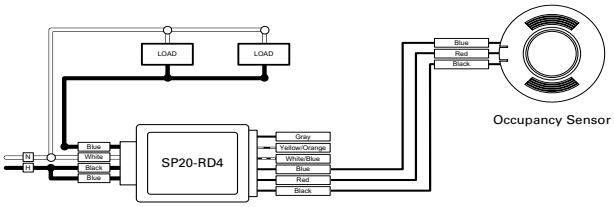
Warranty

Five-year warranty standard

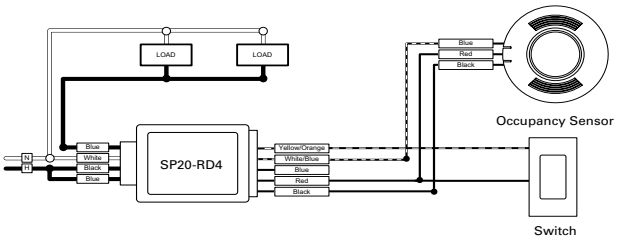
Greengate — Heavy Duty Switchpack

Wiring Diagrams

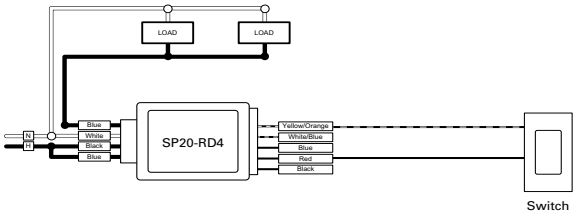
Auto ON/Auto OFF



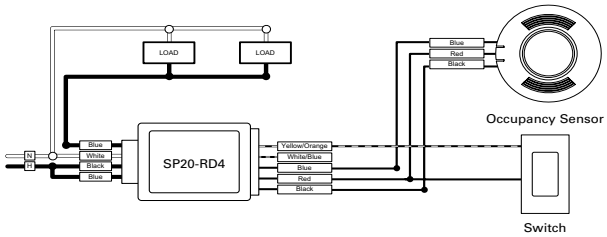
Manual ON/Auto OFF with Local Switch



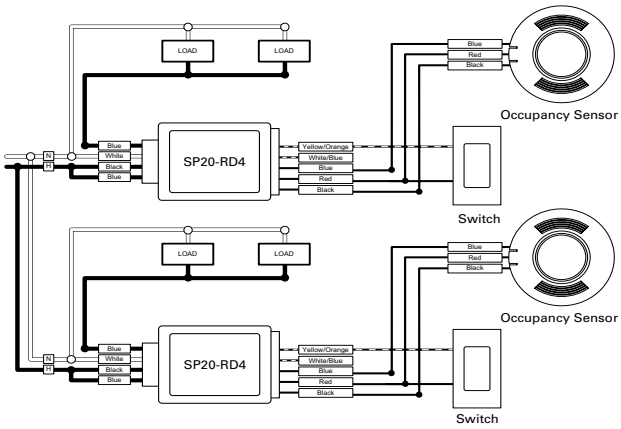
Local Switch ONLY



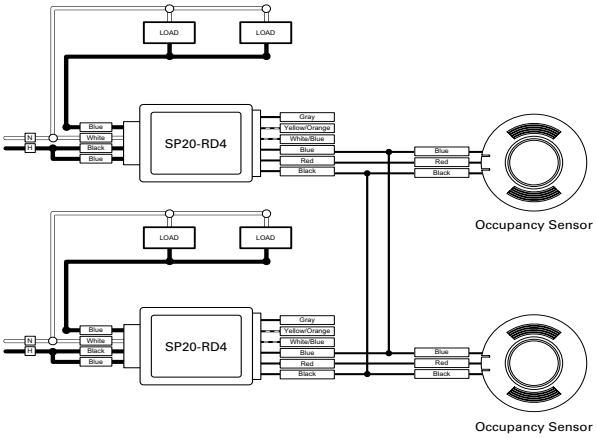
Auto ON/Auto OFF with Local Switch



Bi-Level Switching



Multiple Occupancy Sensors Exceeding the Power Packs Rating

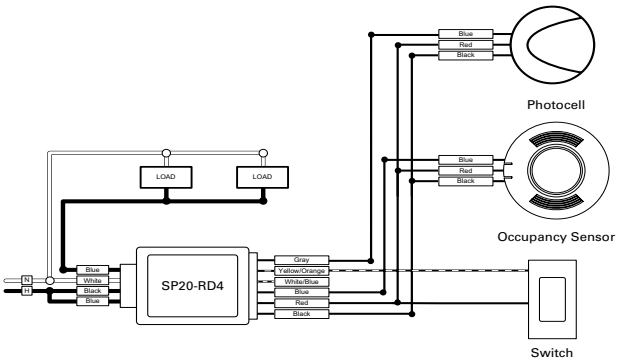


Note: Switchpack and the load switched by the switchpack MUST be fed from the same phase.

Greengate — Heavy Duty Switchpack

Wiring Diagram

Photocell and Occupancy Sensor with Local Switch



Troubleshooting

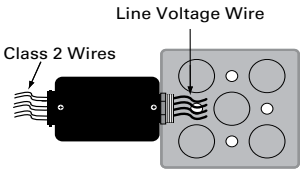
When testing a UL1008 transfer switches, the switchpack will become unresponsive.

Cycle power to the powerpack. Remove power for more than 10 seconds and the return power. The powerpack will begin normal operation. Ensure the transfer delay time on the transfer switch is either less than 3 seconds or greater than 5.5 seconds.

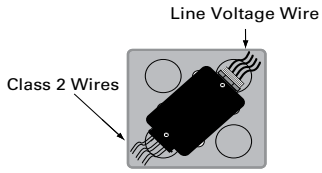
Note: Switchpack and the load switched by the switchpack MUST be fed from the same phase.

Mounting

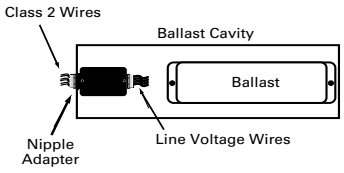
Note: If installing powerpacks where a UL1008 switch is being used for emergency power, ensure the 1008 switch timer to switch from normal to emergency power is less than 3 seconds or greater than 5.5 seconds.



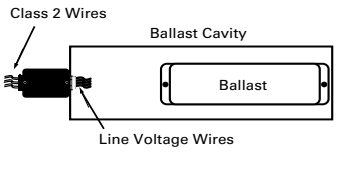
Mounts outside junction box



Mounts intside junction box



Mounts inside Fixture



Mounts outside Fixture

Control Systems

- Greengate

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Specifications and dimensions subject to change without notice.

Project		Catalog #		Type	
Prepared by		Notes		Date	

wallplate sold separately

Greengate

0-10V Preset Slide Dimmer Wallstation

1200VA, 120/277 Volt AC 60Hz,
Single-Pole & 3-Way slide dimmer

Typical Applications
Private Offices • Conference Rooms • Small Auditoriums • Classrooms

Interactive Menu

- Order Information page 2
- Wiring Diagrams page 3
- Product Warranty

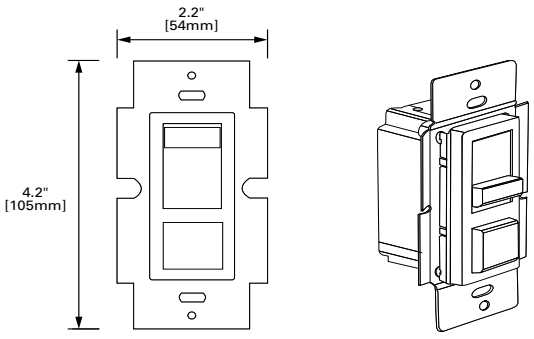
Product Certification

C SP US

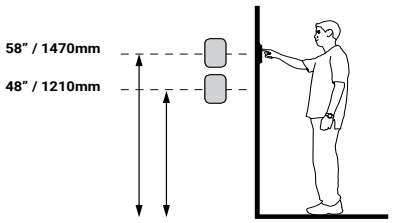
Top Product Features

- Momentary switch controls 0-10V Fluorescent and LED loads
- Single pole and 3-way wiring
- Class 1 or Class 2 wiring capabilities
- Works with the SP20-RD4 or directly controls the load
- Color change kit included (White, Ivory, Light Almond)
- Wallplate ordered separately

Dimensional Details



Mounting Height



Greengate — 0-10V Preset Slide Dimmer Wallstation

Order Information

Catalog Number

Catalog Number	Description
WBSD-010M-C1	120/277 VAC, 28m A sink current, w/White, Ivory and Almond faceplate color kit

Notes
* Wallplate not included: This is an accessory for the Greengate Lighting Control System.

Compatible Products

Catalog Number

Catalog Number	Description
SP20-RD4	20A switchpack
DLC-DP-DIM	0-10V direct connect photsensor

Product Specifications

Mechanical
Size: 4.2" x 2.1" x 1.8" (105mm x 54mm x 46mm)
Environment:
- **Operating temperature:** 32°F to 131°F (0°C to 55°C)
- **Relative humidity operating:** non-condensing 20% to 90%
- For dry location only

Mounting: standard decorator opening
Color: Color change kit included (White, Ivory, Light Almond)
Housing: Injection molded housing resin complies with UL 94V-2
Connections: Screw terminals

Electrical
Power:
- 120VAC, 1200VA, 60Hz
- 277VAC, 1500VA, 60Hz
- 10A LED @ 120/277VAC, 60Hz
- 0-10VDC: 28mA Sink Capacity

Wiring type:
- Single pole and 3-way wiring
- Class 1 or Class 2 wiring capabilities
- Works with the SP20-RD4 or directly controls the load

Standards/Ratings
- cCSAus

Warning
- This product is not intended to be used in applications involving the use of ammonia-based or VOC cleaners.
- Use of ammonia-based or VOC cleaners on this device must be avoided. Prolonged use may cause loss of integrity and expose electrified components. If this occurs, turn OFF power to the unit and replace.
- For detailed cleaning guidelines please refer to: Controls Care and Maintenance instructions at the end of this document

Warranty
Five year warranty

Overview

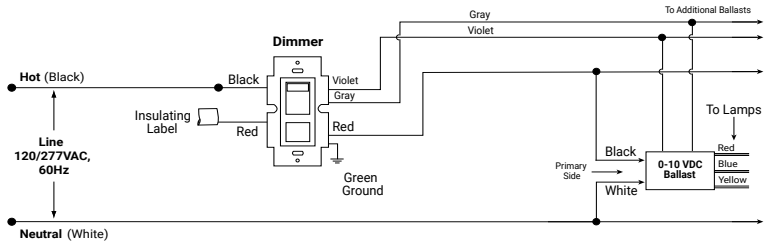
The 0-10V Decorator Dimmer provides full-range classic linear-slide dimming for 0-10 Volt compatible dimmable light sources. These units are ideal for light commercial applications and are compatible with decorator style devices and wallplates. Units feature a preset "ON/OFF" switch that automatically returns controlled light(s) to a preset level without disturbing the brightness level. The device is designed for both Single-pole (one location) and 3-way (multi-location) applications.

Greengate — 0-10V Preset Slide Dimmer Wallstation

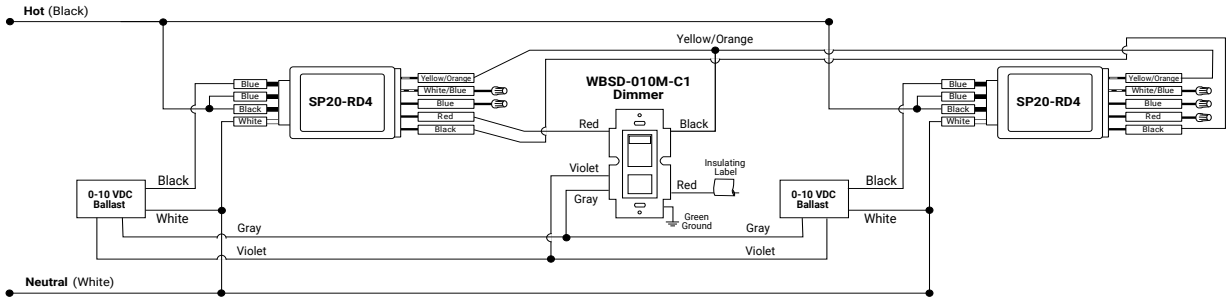
Wiring Diagrams

Lights turn ON to the brightness level set by the dimmers slide control lever. Lighting can be turned on from either the dimmer or a switch location if used in a three way installation.

Single Location Control

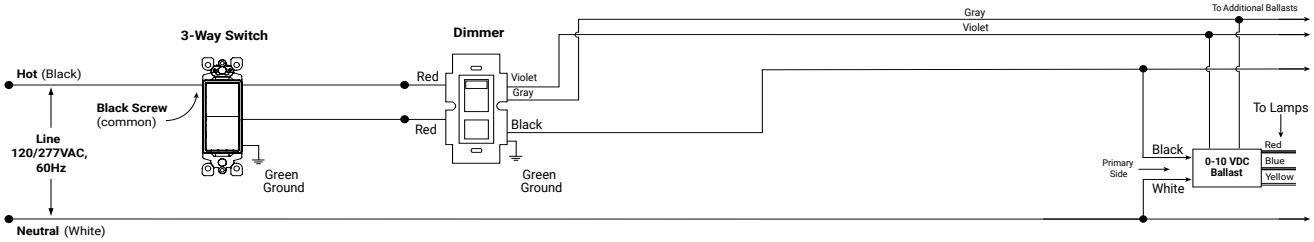


Single Location Control with SP20-RD4 switchpacks



Note: DLC-PD-DIM can be added to this configuration to provide continuous daylighting of the 0-10V loads. The device with the lowest 0-10V value will hold the lighting at that level.

Two Location Control



Control Systems

- Greengate

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Specifications and dimensions
subject to change without notice.

Controls
Care & Maintenance

Cooper Lighting Solutions

Cooper Lighting Solutions has developed recommended guidelines for cleaning our products that will not impact the operation or finish of the product.

image for reference only

Recommended cleaning tips:

- **Never spray any fluids directly into the device.**
- **Use of ammonia-based or VOC cleaners on this device must be avoided.** Prolonged use may cause loss of integrity and expose electrified components. If this occurs, turn OFF power to the unit and replace.
- **Use a damp rag or single-use wipe** to avoid excess liquid penetrating the device.
- Be sure to wipe up remaining excess liquid after cleaning.
- Ensure the cleaning agent used does not have harsh chemicals such as bleach, ammonia, highly alkaline or concentrated acids (such as hydrochloric acid that can be found inhousehold cleaners such as toilet bowl cleaners, bathroom tile and porcelain cleaners) as they could damage the device, causing them to become brittle and discolored.
- Cooper Lighting Solutions recommends the use of a mild liquid detergent and water to clean the devices. Single use wipes (e.g. Lysol brand or equivalent) are acceptable to use for cleaning the devices, however the single-use wipes **cannot contain bleach, ammonia, highly alkaline or concentrated acids.**

⚠ WARNING

This product is not intended for use in applications involving the use of ammonia-based or VOC cleaners.

Prolonged use may cause loss of integrity and expose electrified components.

If this occurs, turn OFF power to the unit and replace.

Recommended cleaning instructions:

- **Never spray any fluids directly into the device.**
- Apply the mild liquid detergent to a damp cloth or paper towel. Single use wipes (e.g. Lysol brand or equivalent) are acceptable to use for cleaning the devices, however single-use wipes cannot contain bleach, ammonia, highly alkaline or concentrated acids.
- If excess liquid is present, remove by wringing out the cloth or paper towel to avoid liquid penetration into the device.
- Clean the Cooper Lighting Solutions device by wiping over the surface with the damp cloth.
- Remove an excess liquid remaining on the device with a dry cloth or paper towel.

COOPER Lighting Solutions

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Product availability, specifications, and compliances are subject to change without notice.

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April 2024