Print Form

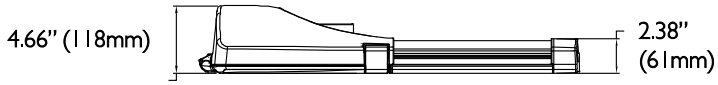
Town of Vail Standard Exterior Light Pole Fixtures

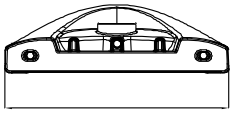
Project name		Type	
Date		Prepared by	

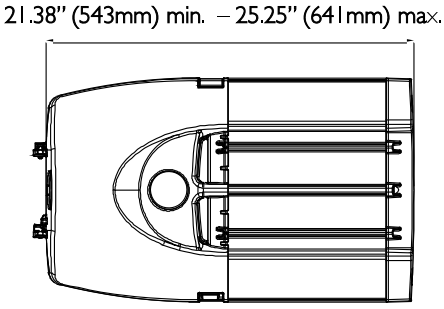
RVS					
Luminaire	Lamp	Optical system	Voltage	Options	Finish

RoadView LED Series

RVS







RVS
Weight: 23.0 to 26.0 lbs
(10.4 to 11.8 kg)

Lamps

LUMINAIRE PERFORMANCE DATA (Nominal 4000K CCT)												
			Drive	Luminaire	System	Max. system	Weight		Length		EPA	
	Lamp	LEDs	Current	Lumens*	Watts	current (amps)	lb.	kg.	in.	mm.	sq. ft.	sq. m.
☐	35W32LED4K	32	350	3686	37	0.31	23	10.4	21.38	543	0.53	0.049
☒	55W32LED4K	32	530	5327	56	0.47	23	10.4	21.38	543	0.53	0.049
☐	72W32LED4K	32	700	6536	73	0.61	23	10.4	21.38	543	0.53	0.049
☐	55W48LED4K	48	350	5397	53	0.44	23	10.4	21.38	543	0.53	0.049
☐	80W48LED4K	48	530	7799	81	0.68	23	10.4	21.38	543	0.53	0.049
☐	108W48LED4K	48	700	9570	105	0.88	23	10.4	21.38	543	0.53	0.049
☐	70W64LED4K	64	350	6970	68	0.57	26	11.8	25.25	641	0.60	0.056
☐	110W64LED4K	64	530	10072	104	0.87	26	11.8	25.25	641	0.60	0.056
☐	90W80LED4K	80	350	8555	85	0.71	26	11.8	25.25	641	0.60	0.056
☐	135W80LED4K	80	530	12363	129	1.08	26	11.8	25.25	641	0.60	0.056

**For Type III distribution. See photometric files for other distributions.*

PHILIPS

Optical systems / LED

- ☐ **LE2** TYPE II / **Asymmetrical distribution**
- ☐ **LE3** TYPE III / **Asymmetrical distribution**
- ☐ **LE4** TYPE IV / **Asymmetrical distribution**

Voltage

- ☒ UNIV (120-277) ☐ **347** ☐ **480**

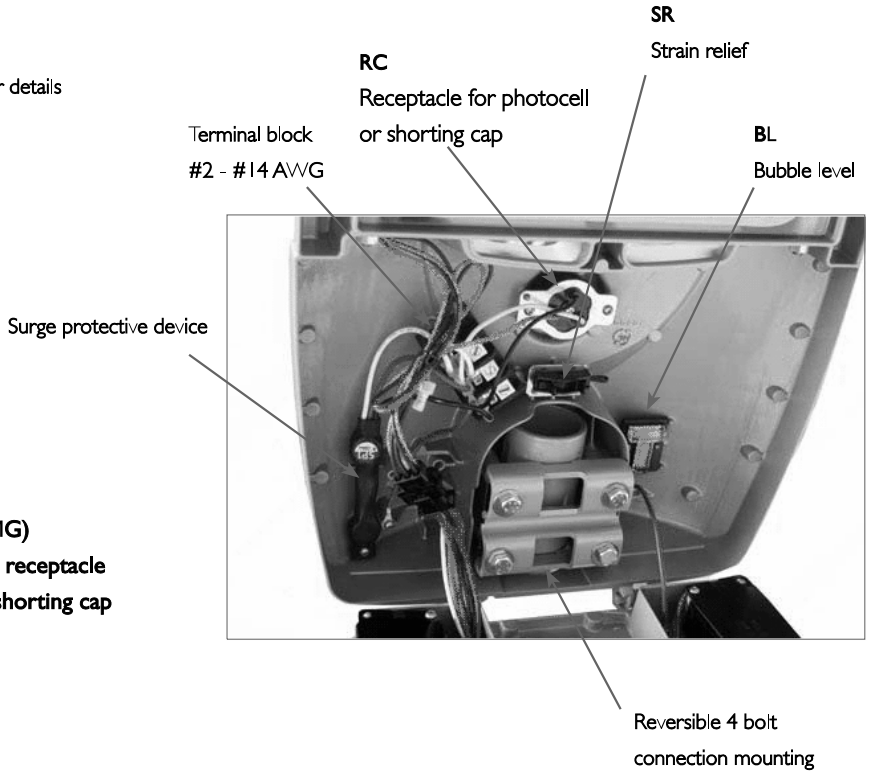
(not available for 32 LED models)

Driver options**

- ☐ **AST** Driver pre-programmed with progressive lamp starting*
- ☐ **CDMG** Dynadimmer standard dimming program*
- ☐ **CDMGP** Dynadimmer custom dimming program*
- ☐ **CLO** Constant Light Output, driver pre-programmed to achieve the same light intensity for the duration of the lifespan of the lamp*
- ☐ **DALI** Driver compatible with DALI control systems*
- ☒ **DMG** Dimmable driver 0-10 volt
- ☐ **OTL** Over The Life, driver pre-programmed to signal the end of lamp life*
- ☐ **OVR** Dynadimmer override function for use with motion detector or other switching device

*Only available with 120 - 277 volts.

** For all programmable options please consult the factory for details



Luminaire options

- ☐ **API** ANSI/NEMA wattage label
- ☐ **BL** Bubble level
- ☐ **OSL3W** Motion detector (requires DMG or CDMG)
- ☒ **PH8** Photoelectric cell, twistlock type includes receptacle
- ☐ **RC** Receptacle for a twist-lock photocell or shorting cap
- ☐ **SR** Strain relief

Specifications subject to change without notice.
Consult factory for full details.

Finish options

- ☐ **GY3** Gray
- ☐ **WH** White
- ☐ **BR** Bronze
- ☐ **BK** Black

- ☐ **EXP** Extrusion painted to match cast housing color selected above (standard extrusion color is anodized aluminum).

Additional colors are available. Consult factory for complete specifications.

LEDGINE

PHILIPS

Lamp
Composed of high performance white LEDs. ANSI Nominal CCT of 4000K, minimum 70 CRI. Ambient operating temperature range -40C (-40F) to +40C (104F). L70 lumen maintenance projected to be greater than 100,000 hours.

Optical system
Composed of high performance lenses, protected by a flat tempered glass lens. System is rated IP66. Photometric performance is tested according to IES LM-79.

Surge protector
Surge protective device provides all phases protection for line-ground, line-neutral, and neutral-ground in accordance with IEEE / ANSI C62.41.2 C High. Surge rating 10 kV, 10 kA and DOE Model Specification for Roadway Luminaires Elevated requirements per Appendix D. Surge protection is standard for all product models 120-480v.

Driver
Electronic driver, operating range 50-60 Hz. Auto-adjusting to input voltage between 120-277 volt AC, or 347-480 volt AC. Minimum power factor 0.90, max THD 20%. UL recognized component. 100,000 hours expected life. Optional dimming (0-10v) and digital driver features available.

Housing
The upper and lower parts of the housing are made of die cast A360 aluminum alloy. The 4-bolt mounting system includes a reversible bracket made of zinc plated steel. Fits on a 1.66" to 2.375" OD by 5" long tenon, fixed by 3/8-16 UNC steel zinc plated bolts. An integral part of the housing permits an adjustment of +/- 5° by steps of 2.5°.

Power door
The housing is complete with a tool-less removable power door including quick disconnects for ease of service. A tool free latch assembly on the power door allows for easy access to the electrical compartment.

Heat sink
The extruded heat sink is made of A6063 aluminum alloy, and is shaped to draw heat away from the LEDs. Product does not use any cooling device with moving parts (has passive cooling device).

LED platform
The LEDGINE LED platform consist of two LED boards with 48, 64, or 80 LUXEON Rebel LEDs each, as required to provide total LEDs from 96 - 160. The LED boards are removable and replaceable.

Wiring
Luminaire wiring is done using a terminal block located inside the housing. Terminal block accepts three wires (#2-14 AWG).

Hardware and seals
All hardware shall be stainless steel or corrosion resistant. All seals and sealing devices are lined with silicone.

Finish
Application of a polyester powder coat paint. (4 mils/100 microns). The chemical composition provides a highly durable UV and salt spray resistant finish in accordance with the ASTM-B117 standard and humidity proof in accordance with the ASTM-D2247 standard. The specially formulated Lumital powder coat finish is available in standard gray. Additional colors are available. Consult factory for complete specifications.

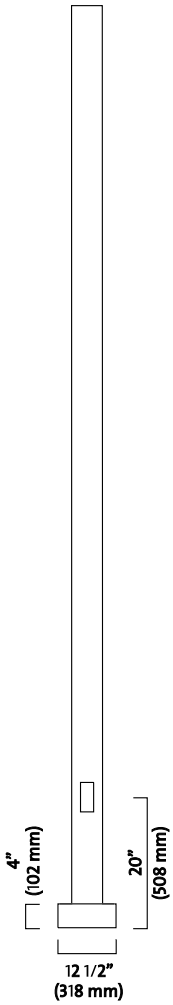
Vibration resistance
Meets the ANSI C136.31-2001 table 2, American National Standard for Roadway Luminaire Vibration specifications for Bridge/overpass applications (3G).

Certifications and Compliance
CSA, UL or cUL. ISO 9001-2008. All electrical components are RoHS compliant. Listed on Design Lights Consortium (DLC) Qualified Products List (QPL).

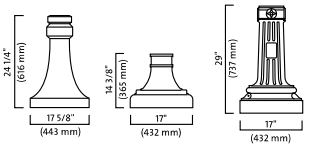
Document order number: RVSTS100R02

Philips Roadway Lighting
10275 W. Higgins Road
Rosemont IL 60018
Tel: 847-390-5111 Fax: 847-332-0305
Customer Support/Technical Service: 847-390-5111
www.philips.com/roadwaylighting
A Division of Genlyte Thomas Group LLC

Town of Vail Standard Exterior Light Pole

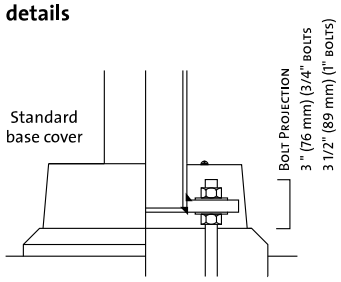


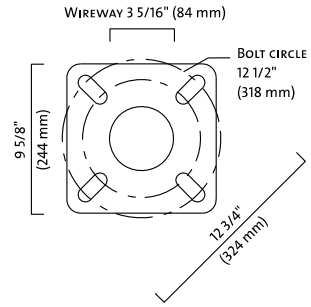
Optional base covers



LBC1 B105 B50

Base details





Comes with 4 anchor bolts,
8 nuts and 8 washers.
BLN 3/4" B.C. from: 8" to 12 1/2" (203 to 324 mm)
BLN 1" B.C. from: 8" to 12 7/8" (203 to 327 mm)

Specifications:

Pole: made from a one-piece, 5" round (127 mm) tube of high-tensile carbon steel sealed by a rolled and flattened vertical weld seam and welded to both the top and bottom of a steel anchor plate.
A 2" by 4 1/2" (51 by 114 mm) maintenance opening is complete with cover and copper ground lug.
Base cover: square base cover made from two pieces of formed aluminum mechanically fastened to the base with stainless steel hardware.
Finish: See page 142 for Finish details.
Options:

DE:	Pole buried 5' (1524 mm) in the ground (see page 133)
LS:	Provision for loudspeaker outlet (see page 132)
PH7:	Button-type photoelectric cell (specify operating voltage)
PH8:	Quarter-turn type photoelectric cell (specify operating voltage)
DR:	Duplex receptacle (120V line voltage only)
GFI:	DR with common ground fault interrupter (120V line voltage only)
BA:	Banner arm (see page 136)
PS:	Plant support (see page 137)
MPL:	Mid-pole luminaire
	Two-piece round decorative base cover:
LBC1:	Cast-aluminum
B105:	Cast-aluminum
B50:	Cast-aluminum

Note: The recommended method for calculating EPA (Effective Projected Area) is in accordance with AASHTO 2001 standards: for three seconds, the pole is tested in wind gusts equivalent to the strongest winds on record over the past 50 years, and with a 50 pound load (22.7 kg) placed at 1 foot (305 mm) above its center.

CATALOG NUMBER	NOMINAL HEIGHT		TENON SECTION		WALL THICKNESS		WEIGHT		EPA RATING 90 MPH	110 MPH	120 MPH	150 MPH	ANCHOR BOLTS	
	ft	m	in	mm	in	mm	lbs	kg	sq.ft	sq.ft	sq.ft	sq.ft	in	mm
SPR5C-14	14	4.27	5	127	0.150	3.8	133	61	26.73	18.07	15.22	9.71	3/4-20	19-508
SPR5J-14	14	4.27	5	127	0.180	4.6	154	70	30	21.84	18.42	11.8	3/4-20	19-508
SPR5V-14	14	4.27	5	127	0.250	6.4	201	91	30	30	25.56	16.47	3/4-20	19-508
SPR5C-15	15	4.57	5	127	0.150	3.8	141	64	24.44	16.49	13.87	8.83	3/4-20	19-508
SPR5J-15	15	4.57	5	127	0.180	4.6	163	74	29.52	19.99	16.86	10.77	3/4-20	19-508
SPR5V-15	15	4.57	5	127	0.250	6.4	214	97	30	27.82	23.5	15.12	3/4-20	19-508
SPR5C-16	16	4.88	5	127	0.150	3.8	148	67	22.49	15.13	12.73	8.07	3/4-20	19-508
SPR5J-16	16	4.88	5	127	0.180	4.6	172	78	27.23	18.42	15.51	9.89	3/4-20	19-508
SPR5V-16	16	4.88	5	127	0.250	6.4	227	103	30	25.74	21.74	13.99	3/4-20	19-508
SPR5C-18	18	5.49	5	127	0.150	3.8	163	74	18.56	12.39	10.38	6.51	1-36	25-914
SPR5J-18	18	5.49	5	127	0.180	4.6	191	87	22.63	15.22	12.8	8.1	1-36	25-914
SPR5V-18	18	5.49	5	127	0.250	6.4	252	115	30	21.51	18.15	11.61	1-36	25-914
SPR5C-20	20	6.10	5	127	0.150	3.8	178	81	15.37	10.15	8.48	5.24	1-36	25-914
SPR5J-20	20	6.10	5	127	0.180	4.6	208	94	18.91	12.61	10.57	6.61	1-36	25-914
SPR5V-20	20	6.10	5	127	0.250	6.4	277	126	26.74	18.09	15.22	9.69	1-36	25-914
SPR5C-22	22	6.71	5	127	0.150	3.8	193	88	12.72	8.27	6.86	4.17	1-36	25-914
SPR5V-22	22	6.71	5	127	0.250	6.4	303	138	22.68	15.24	12.8	8.07	1-36	25-914
SPR5V-25	25	7.62	5	127	0.250	6.4	340	154	17.72	11.74	9.81	6.08	1-36	25-914
SPR5V-30	30	9.14	5	127	0.250	6.4	404	183	11.41	7.25	5.96	3.48	1-36	25-914

PHILIPS LUMEC

D-Series Size 0
LED Area Luminaire

Catalog Number

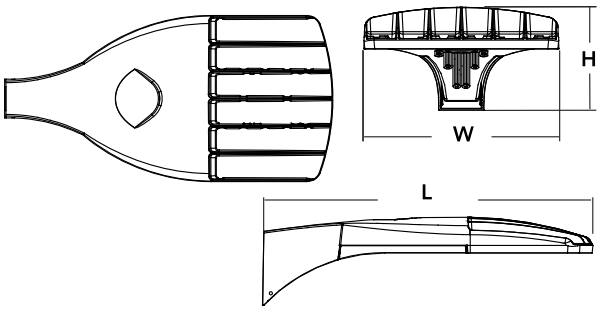
Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

EPA:	0.95 ft² (.09 m²)
Length:	26" (66.0 cm)
Width:	13" (33.0 cm)
Height:	7" (17.8 cm)
Weight (max):	16 lbs (7.25 kg)



A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a shaded background. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability1
- This luminaire is part of an A+ Certified solution for ROAM®2 or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background[1]

To learn more about A+, visit www.acuitybrands.com/aplus.

1. See ordering tree for details.
2. A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: Link to Roam; Link to DTL DLL

A+ Capable options indicated by this color background.

Ordering Information

EXAMPLE: DSX0 LED 40C 1000 40K T3M MVOLT SPA DDBXD

DSX0 LED

Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Mounting
DSX0 LED	**Forward optics** 20C 20 LEDs (one engine) 40C 40 LEDs (two engines) **Rotated optics**[1] 30C 30 LEDs (one engine)	530 530 mA 700 700 mA 1000 1000 mA (1 A)	30K 3000 K 40K 4000 K 50K 5000 K AMBPC Amber phosphor converted[2]	T1S Type I short T2S Type II short T2M Type II medium T3S Type III short T3M Type III medium T4M Type IV medium TFTM Forward throw medium T5VS Type V very short T5S Type V short T5M Type V medium T5W Type V wide BLC Backlight control[2,3] LCCO Left corner cutoff[2,3] RCCO Right corner cutoff[2,3]	MVOLT[4] 120[4] 208[4] 240[4] 277[4] 347[5] 480[5]	**Shipped included** SPA Square pole mounting RPA Round pole mounting WBA Wall bracket SPUMBA Square pole universal mounting adaptor[6] RPUMBA Round pole universal mounting adaptor[6] **Shipped separately** KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish)[7]

Control options			Other options	Finish *(required)*	
Shipped installed		PIRH1FC3V Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc[12]	**Shipped installed**	DDBXD	Dark bronze
PER	NEMA twist-lock receptacle only (no controls)[8]	BL30 Bi-level switched dimming, 30%[13,14]	HS House-side shield[17]	DBLXD	Black
PER5	Five-wire receptacle only (no controls)[8,9]	BL50 Bi-level switched dimming, 50%[13,15]	SF Single fuse (120, 277, 347V)[18]	DNAXD	Natural aluminum
PER7	Seven-wire receptacle only (no controls)[8,9]	PNMTDD3 Part night, dim till dawn[15]	DF Double fuse (208, 240, 480V)[18]	DWHXD	White
DMG	0-10V dimming extend out back of honsing for external control (no controls)[10]	PNMT5D3 Part night, dim 5 hrs[15]	L90 Left rotated optics[1]	DDBTXD	Textured dark bronze
DCR	Dimmable and controllable via ROAM® (no controls)[11]	PNMT6D3 Part night, dim 6 hrs[15]	R90 Right rotated optics[1]	DBLBXD	Textured black
PIR	Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc[12]	PNMT7D3 Part night, dim 7 hrs[15]	DDL Diffused drop lens[17]	DNATXD	Textured natural aluminum
PIRH	Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc[12]	FAO Field adjustable output[16]	BS Bird spikes	DWHGXD	Textured white
PIR1FC3V	Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc[12]				

Ordering Information

Accessories
Ordered and shipped separately.

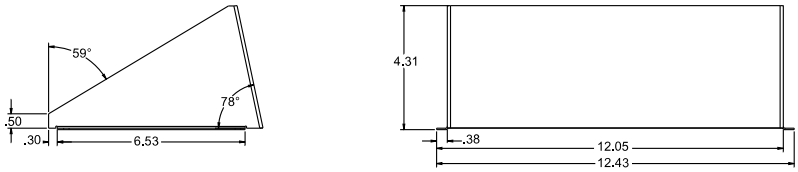
Controls & Shields

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) [19]
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) [19]
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) [19]
DSHORT SBK U	Shorting cap [19]
DSX0EGS DDBXD U	External glare shield
DSX0HS 20C U	House-side shield for 20 LED unit [17]
DSX0HS 30C U	House-side shield for 30 LED unit [17]
DSX0HS 40C U	House-side shield for 40 LED unit [17]
DSX0DDL U	Diffused drop lens (polycarbonate) [17]
PUMBA DDBXD U*	Square and round pole universal mounting bracket adaptor (specify finish)[20]
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) [7]

For more control options, visit DTL and ROAM online.

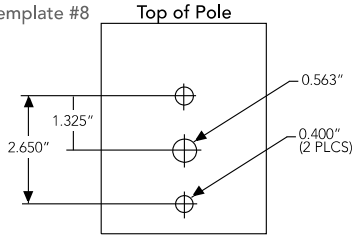
NOTES
1 30 LEDs (30C option) and rotated options (L90 or R90) only available together.
2 AMBPC is not available with BLC, LLCO or RCCO.
3 Not available with HS or DDL.
4 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120V, 208V, 240V or 277V options only when ordering with fusing (SF, DF options).
5 Not available with single board, 530mA product (20C 530 or 30C 530). Not available with BL30, BL50 or PNMT options.
6 Existing drilled pole only. Available as a separate combination accessory; for retrofit use only: PUMBA (finish) U; 1.5 G vibration load rating per ANCI C136.31.
7 Must order fixture with SPA mounting. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included).
8 Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap be order for correct operation when photocontrol is present.
9 If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Not available with DCR. Node with integral dimming.
10 DMG option for 347V or 480V requires 1000mA.
11 Specifies a ROAM® enabled luminaire with 0-10V dimming capability; PER option required. Additional hardware and services required for ROAM® deployment; must be purchased separately. Call 1-800-442-6745 or email: sales@roamservices.net. N/A with PER5, PER7, BL30, BL50 or PNMT options. Node without integral dimming. Mvolt only. Not available with 347V and 480V. Not available with PIRH1FC3V.
12 PIR and PIR1FC3V specify the SensorSwitch SBGR-10-ODP control; PIRH and PIRH1FC3V specify the SensorSwitch SBGR-6-ODP control; see Outdoor Control Technical Guide for details. Dimming driver standard. Ambient sensor disabled when ordered with DCR. Separate on/off required. Not available with PNMT options. PIR and PIRH options are used with PER5 and PER7, additional leads from receptacle are terminated and non-functioning. When PIR and PIRH options are selected with DCR, old style ROAM node must be used or PIRH and PIRH will not function correctly.
13 Requires an additional switched circuit.
14 Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, PER5, PER7 or PNMT options. Not available with PIR1FC3V and PIRH1FC3V.
15 Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, PER5, PER7, BL30 or BL50. Not available with PIR1FC3V and PIRH1FC3V. Separate on/off required.
16 Dimming driver standard. Not available with PER5, PER7, DMG, DCR, BL30, BL50, PNMT, PIR, PIRH, PIR1FC3V and PIRH1FC3V.
17 Not available with BLC, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
18 Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
19 Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item from Acuity Brands Controls.
20 For retrofit use only.

External Glare Shield



Drilling

Template #8



DSX0 shares a unique drilling pattern with the AERIS™ family. Specify this drilling pattern when specifying poles, per the table below.

DM19AS	Single unit	**DM29AS**	2 at 90° *
DM28AS	2 at 180°	**DM39AS**	3 at 90° *
DM49AS	4 at 90° *	**DM32AS**	3 at 120° **

Example: SSA 20 4C **DM19AS** DDBXD

Visit Lithonia Lighting's POLES CENTRAL to see our wide selection of poles, accessories and educational tools.
*Round pole top must be 3.25" O.D. minimum.
**For round pole mounting (RPA) only.

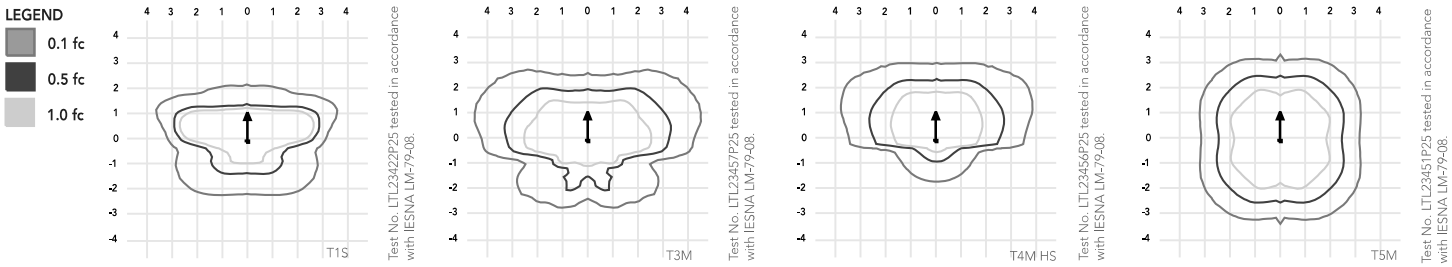
Tenon Mounting Slipfitter **

Tenon O.D.	Single Unit	2 at 180°	2 at 90°	3 at 120°	3 at 90°	4 at 90°
2-3/8"	AST20-190	AST20-280	AST20-290	AST20-320	AST20-390	AST20-490
2-7/8"	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
4"	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Area Size 0 homepage.

Isofootcandle plots for the DSX0 LED 40C 1000 40K. Distances are in units of mounting height (20').



Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	**77°F**	**1.00**
30°C	86°F	1.00
40°C	104°F	0.99

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	DSX0 LED 20C 1000			
	1	0.98	0.96	0.93
	DSX0 LED 40C 1000			
	1	0.98	0.95	0.90
	DSX0 LED 40C 700			
	1	0.99	0.99	0.99

Electrical Load

			Current (A)					
Number of LEDs	Drive Current (mA)	System Watts	120	208	240	277	347	480
20C	530	35	0.34	0.22	0.21	0.20	--	--
	700	45	0.47	0.28	0.24	0.22	0.18	0.14
	1000	72	0.76	0.45	0.39	0.36	0.36	0.26
30C	530	52	0.51	0.31	0.28	0.25	--	--
	700	70	0.72	0.43	0.37	0.34	0.25	0.19
	1000	104	1.11	0.64	0.56	0.49	0.47	0.34
40C	530	68	0.71	0.41	0.36	0.33	0.25	0.19
	700	91	0.94	0.55	0.48	0.42	0.33	0.24
	1000	138	1.45	0.84	0.73	0.64	0.69	0.50

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
20C (20 LEDs)	530 mA	35 W	T1S	4,079	1	0	1	117	4,380	1	0	1	125	4,408	1	0	1	126	2,541	1	0	1	73
			T2S	4,206	1	0	1	120	4,516	1	0	1	129	4,544	1	0	1	130	2,589	1	0	1	74
			T2M	4,109	1	0	1	117	4,413	1	0	1	126	4,440	1	0	1	127	2,539	1	0	1	73
			T3S	4,104	1	0	1	117	4,407	1	0	1	126	4,435	1	0	1	127	2,558	1	0	1	73
			T3M	4,142	1	0	1	118	4,447	1	0	1	127	4,475	1	0	1	128	2,583	1	0	1	74
			T4M	4,198	1	0	1	120	4,508	1	0	1	129	4,536	1	0	1	130	2,570	1	0	1	73
			TFTM	4,135	1	0	1	118	4,440	1	0	2	127	4,468	1	0	2	128	2,540	1	0	1	73
			T5VS	4,368	2	0	0	125	4,691	2	0	0	134	4,720	2	0	0	135	2,650	1	0	0	76
			T5S	4,401	2	0	2	126	4,725	2	0	0	135	4,755	2	0	0	136	2,690	1	0	0	77
			T5M	4,408	2	0	1	126	4,734	3	0	1	135	4,763	3	0	1	136	2,658	2	0	0	76
			T5W	4,344	3	0	1	124	4,664	3	0	1	133	4,693	3	0	1	134	2,663	2	0	1	76
			BLC	3,071	1	0	1	88	3,297	1	0	1	94	3,318	1	0	1	95					
			LCCO	2,983	1	0	1	85	3,204	1	0	1	92	3,224	1	0	1	92					
			RCCO	2,983	1	0	1	85	3,204	1	0	1	92	3,224	1	0	1	92					
	700 mA	45 W	T1S	5,181	1	0	1	115	5,563	1	0	1	124	5,598	1	0	1	124	3,144	1	0	1	70
			T2S	5,342	1	0	1	119	5,736	1	0	1	127	5,772	1	0	1	128	3,203	1	0	1	71
			T2M	5,219	1	0	1	116	5,605	1	0	1	125	5,640	1	0	1	125	3,141	1	0	1	70
			T3S	5,213	1	0	1	116	5,598	1	0	1	124	5,633	1	0	1	125	3,165	1	0	1	70
			T3M	5,260	1	0	1	117	5,649	1	0	2	126	5,684	1	0	2	126	3,196	1	0	1	71
			T4M	5,332	1	0	1	118	5,725	1	0	2	127	5,761	1	0	2	128	3,179	1	0	1	71
			TFTM	5,252	1	0	2	117	5,640	1	0	2	125	5,675	1	0	2	126	3,143	1	0	1	70
			T5VS	5,548	2	0	0	123	5,958	2	0	0	132	5,995	2	0	0	133	3,278	2	0	0	73
			T5S	5,589	2	0	0	124	6,002	2	0	0	133	6,039	2	0	0	134	3,328	2	0	0	74
			T5M	5,599	3	0	1	124	6,012	3	0	1	134	6,050	3	0	1	134	3,288	2	0	1	73
			T5W	5,517	3	0	1	123	5,924	3	0	1	132	5,961	3	0	1	132	3,295	2	0	1	73
			BLC	3,909	1	0	1	87	4,198	1	0	1	93	4,224	1	0	1	94					
			LCCO	3,798	1	0	1	84	4,078	1	0	1	91	4,104	1	0	1	91					
			RCCO	3,798	1	0	1	84	4,078	1	0	1	91	4,104	1	0	1	91					
	1000 mA	72 W	T1S	7,085	1	0	1	98	7,608	2	0	2	106	7,656	2	0	2	106					
			T2S	7,305	1	0	1	101	7,845	2	0	2	109	7,894	2	0	2	110					
			T2M	7,138	1	0	2	99	7,665	2	0	2	106	7,713	2	0	2	107					
			T3S	7,129	1	0	1	99	7,656	2	0	2	106	7,704	2	0	2	107					
			T3M	7,194	1	0	2	100	7,725	2	0	2	107	7,773	2	0	2	108					
			T4M	7,292	1	0	2	101	7,830	2	0	2	109	7,879	2	0	2	109					
			TFTM	7,183	1	0	2	100	7,713	1	0	2	107	7,761	1	0	2	108					
			T5VS	7,588	2	0	0	105	8,148	3	0	0	113	8,199	3	0	0	114					
			T5S	7,644	2	0	0	106	8,208	2	0	0	114	8,259	2	0	0	115					
			T5M	7,657	3	0	1	106	8,222	3	0	1	114	8,274	3	0	1	115					
			T5W	7,545	3	0	1	105	8,102	3	0	2	113	8,153	3	0	2	113					
			BLC	5,162	1	0	1	72	5,543	1	0	2	77	5,578	1	0	1	77					
			LCCO	5,015	1	0	2	70	5,386	1	0	2	75	5,419	1	0	2	75					
			RCCO	5,015	1	0	2	70	5,386	1	0	2	75	5,419	1	0	2	75					

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
40C (40 LEDs)	530 mA	68 W	T1S	7,926	2	0	2	117	8,511	2	0	2	125	8,564	2	0	2	126	4,878	1	0	1	72
			T2S	8,172	2	0	2	120	8,775	2	0	2	129	8,830	2	0	2	130	4,969	1	0	1	73
			T2M	7,985	2	0	2	117	8,574	2	0	2	126	8,628	2	0	2	127	4,874	1	0	1	72
			T3S	7,975	1	0	2	117	8,564	2	0	2	126	8,617	2	0	2	127	4,910	1	0	1	72
			T3M	8,047	2	0	2	118	8,642	2	0	2	127	8,696	2	0	2	128	4,958	1	0	2	73
			T4M	8,157	1	0	2	120	8,759	2	0	2	129	8,813	2	0	2	130	4,932	1	0	2	73
			TFTM	8,035	1	0	2	118	8,628	2	0	2	127	8,682	2	0	2	128	4,876	1	0	2	72
			T5VS	8,488	2	0	0	125	9,115	3	0	0	134	9,172	3	0	0	135	5,086	2	0	0	75
			T5S	8,550	2	0	0	126	9,182	3	0	1	135	9,239	3	0	1	136	5,163	2	0	0	76
			T5M	8,565	3	0	1	126	9,198	3	0	2	135	9,255	3	0	2	136	5,102	3	0	1	75
			T5W	8,440	3	0	2	124	9,063	3	0	2	133	9,120	3	0	2	134	5,112	3	0	1	75
			BLC	6,142	1	0	2	90	6,595	1	0	2	97	6,636	1	0	2	98					
			LCCO	5,967	1	0	2	88	6,407	1	0	2	94	6,447	1	0	2	95					
			RCCO	5,967	1	0	2	88	6,407	1	0	2	94	6,447	1	0	2	95					
	700 mA	91 W	T1S	10,066	2	0	2	111	10,810	2	0	2	119	10,877	2	0	2	120	6,206	2	0	2	68
			T2S	10,379	2	0	2	114	11,145	2	0	2	122	11,215	2	0	2	123	6,322	2	0	2	69
			T2M	10,141	2	0	2	111	10,890	2	0	2	120	10,958	2	0	2	120	6,201	2	0	2	68
			T3S	10,129	2	0	2	111	10,877	2	0	2	120	10,945	2	0	2	120	6,247	1	0	2	69
			T3M	10,221	2	0	2	112	10,975	2	0	2	121	11,044	2	0	2	121	6,308	2	0	2	69
			T4M	10,359	2	0	2	114	11,124	2	0	2	122	11,194	2	0	2	123	6,275	1	0	2	69
			TFTM	10,205	2	0	2	112	10,958	2	0	3	120	11,027	2	0	3	121	6,203	1	0	2	68
			T5VS	10,781	3	0	0	118	11,576	3	0	1	127	11,649	3	0	1	128	6,569	2	0	0	72
			T5S	10,860	3	0	1	119	11,662	3	0	1	128	11,734	3	0	1	129	6,569	2	0	0	72
			T5M	10,879	3	0	2	120	11,682	3	0	2	128	11,755	3	0	2	129	6,491	3	0	1	71
			T5W	10,719	3	0	2	118	11,511	4	0	2	126	11,583	4	0	2	127	6,504	3	0	2	71
			BLC	7,819	1	0	2	86	8,396	1	0	2	92	8,448	1	0	2	93					
			LCCO	7,596	1	0	2	83	8,157	1	0	2	90	8,208	1	0	2	90					
			RCCCO	7,596	1	0	2	83	8,157	1	0	2	90	8,208	1	0	2	90					
	1000 mA	138 W	T1S	13,767	2	0	2	100	14,783	3	0	3	107	14,876	3	0	3	108					
			T2S	14,194	2	0	2	103	15,242	3	0	3	110	15,338	3	0	3	111					
			T2M	13,869	2	0	2	101	14,893	3	0	3	108	14,986	3	0	3	109					
			T3S	13,852	2	0	2	100	14,875	2	0	2	108	14,968	2	0	2	108					
			T3M	13,978	2	0	2	101	15,010	3	0	3	109	15,104	3	0	3	109					
			T4M	14,168	2	0	2	103	15,214	3	0	3	110	15,309	3	0	3	111					
			TFTM	13,956	2	0	3	101	14,987	2	0	3	109	15,080	2	0	3	109					
			T5VS	14,744	3	0	1	107	15,832	3	0	1	115	15,931	4	0	1	115					
			T5S	14,852	3	0	1	108	15,948	3	0	1	116	16,048	3	0	1	116					
			T5M	14,878	4	0	2	108	15,976	4	0	2	116	16,076	4	0	2	116					
			T5W	14,660	4	0	2	106	15,742	4	0	2	114	15,840	4	0	2	115					
			BLC	10,325	1	0	2	75	11,087	1	0	2	80	11,156	1	0	2	81					
			LCCO	10,031	2	0	2	73	10,771	2	0	3	78	10,839	2	0	3	79					
			RCCO	10,031	2	0	2	73	10,771	2	0	3	78	10,839	2	0	3	79					

Performance Data

L90 and R90 Rotated Optics

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
30C (30 LEDs)	530 mA	52 W	T1S	6,130	2	0	2	118	6,583	2	0	2	127	6,624	2	0	2	127	3,841	2	0	2	74
			T2S	6,321	2	0	2	122	6,787	2	0	2	131	6,830	3	0	3	131	3,912	2	0	2	75
			T2M	6,176	2	0	2	119	6,632	3	0	3	128	6,673	3	0	3	128	3,837	2	0	2	74
			T3S	6,168	2	0	2	119	6,624	3	0	3	127	6,665	3	0	3	128	3,866	2	0	2	74
			T3M	6,224	3	0	3	120	6,684	3	0	3	129	6,726	3	0	3	129	3,904	2	0	2	75
			T4M	6,309	3	0	3	121	6,775	3	0	3	130	6,817	3	0	3	131	3,884	2	0	2	75
			TFTM	6,215	3	0	3	120	6,673	3	0	3	128	6,715	3	0	3	129	3,839	2	0	2	74
			T5VS	6,565	2	0	0	126	7,050	2	0	0	136	7,094	2	0	0	136	4,005	2	0	0	77
			T5S	6,613	2	0	0	127	7,102	2	0	0	137	7,146	2	0	0	137	4,065	2	0	0	78
			T5M	6,625	3	0	1	127	7,114	3	0	1	137	7,159	3	0	1	138	4,017	2	0	1	77
			T5W	6,528	3	0	1	126	7,010	3	0	2	135	7,054	3	0	2	136	4,025	3	0	1	77
			BLC	4,747	2	0	2	91	5,098	2	0	2	98	5,130	2	0	2	99					
			LCCO	4,612	1	0	2	89	4,953	1	0	2	95	4,984	1	0	2	96					
			RCCO	4,612	1	0	2	89	4,953	1	0	2	95	4,984	1	0	2	96					
	700 mA	70 W	T1S	7,786	2	0	2	111	8,361	3	0	3	119	8,413	3	0	3	120	4,783	2	0	2	68
			T2S	8,028	2	0	2	115	8,620	3	0	3	123	8,674	3	0	3	124	4,873	2	0	2	70
			T2M	7,844	3	0	3	112	8,423	3	0	3	120	8,476	3	0	3	121	4,779	2	0	2	68
			T3S	7,834	3	0	3	112	8,413	3	0	3	120	8,465	3	0	3	121	4,815	2	0	2	69
			T3M	7,905	3	0	3	113	8,489	3	0	3	121	8,542	3	0	3	122	4,862	3	0	3	69
			T4M	8,013	3	0	3	114	8,604	3	0	3	123	8,658	3	0	3	124	4,837	3	0	3	69
			TFTM	7,893	3	0	3	113	8,476	3	0	3	121	8,529	3	0	3	122	4,781	3	0	3	68
			T5VS	8,338	2	0	0	119	8,954	3	0	0	128	9,010	3	0	0	129	4,988	2	0	0	71
			T5S	8,400	2	0	0	120	9,020	3	0	1	129	9,076	3	0	1	130	5,063	2	0	0	72
			T5M	8,414	3	0	1	120	9,036	3	0	2	129	9,092	3	0	2	130	5,003	3	0	1	71
			T5W	8,291	3	0	2	118	8,903	3	0	2	127	8,959	3	0	2	128	5,013	3	0	1	72
			BLC	6,044	2	0	2	86	6,490	3	0	3	93	6,530	3	0	3	93					
			LCCO	5,872	1	0	2	84	6,305	1	0	2	90	6,345	1	0	2	91					
			RCCO	5,872	1	0	2	84	6,305	1	0	2	90	6,345	1	0	2	91					
	1000 mA	104 W	T1S	10,648	3	0	3	102	11,434	3	0	3	110	11,506	3	0	3	111					
			T2S	10,979	3	0	3	106	11,789	3	0	3	113	11,863	3	0	3	114					
			T2M	10,727	3	0	3	103	11,519	3	0	3	111	11,591	3	0	3	111					
			T3S	10,714	3	0	3	103	11,505	3	0	3	111	11,577	3	0	3	111					
			T3M	10,812	3	0	3	104	11,610	4	0	4	112	11,682	4	0	4	112					
			T4M	10,958	3	0	3	105	11,767	3	0	3	113	11,841	3	0	3	114					
			TFTM	10,795	3	0	3	104	11,592	3	0	3	111	11,664	4	0	4	112					
			T5VS	11,404	3	0	0	110	12,245	3	0	1	118	12,322	3	0	1	118					
			T5S	11,487	3	0	1	110	12,336	3	0	1	119	12,413	3	0	1	119					
			T5M	11,508	3	0	2	111	12,357	4	0	2	119	12,434	4	0	2	120					
			T5W	11,339	4	0	2	109	12,176	4	0	2	117	12,252	4	0	2	118					
			BLC	7,981	3	0	3	77	8,570	3	0	3	82	8,624	3	0	3	83					
			LCCO	7754	1	0	2	75	8326	2	0	2	80	8378	2	0	2	81					
			RCCO	7754	1	0	2	75	8326	2	0	2	80	8378	2	0	2	81					

FEATURES & SPECIFICATIONS

INTENDED USE
The sleek design of the D-Series Size 0 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and pedestrian areas.

CONSTRUCTION
Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED driver is mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (0.95 ft^2) for optimized pole wind loading.

FINISH
Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

OPTICS
Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in 3000 K, 4000 K or 5000 K (70 CRI) or optional 3000 K (70 minimum CRI) or 5000 K (70 CRI) configurations. The D-Series Size 0 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL
Light engine(s) configurations consist of 20, 30 or 40 high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L99/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV or 6kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

INSTALLATION
Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 0 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 0 utilizes the AERIS™ series pole drilling pattern (template #8). Optional terminal block and NEMA photocontrol receptacle are also available.

LISTINGS
UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D672,492 S. International patent pending.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org to confirm which versions are qualified.

WARRANTY
5-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

Parking Garage Wall Mounted Light Fixture

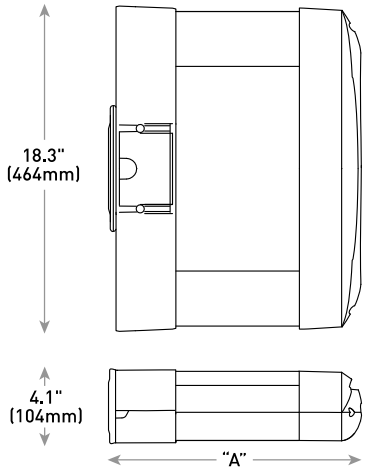
Cree Edge™ Series

LED Security Wall Pack Luminaire

Product Description

The Cree Edge™ wall mount luminaire has a slim, low profile design. The luminaire end caps are made from rugged die cast aluminum with integral, weathertight LED driver compartments and high performance aluminum heat sinks specifically designed for LED applications. Housing is rugged aluminum. Includes a lightweight mounting box for installation over standard and mud ring single gang J-Boxes. Secures to wall with four 3/16" (5mm) screws (by others). Conduit entry from top, bottom, sides and rear. Allows mounting for uplight or downlight. Designed and approved for easy through-wiring. Includes leaf/debris guard.

Applications: General area and security lighting



Performance Summary

- Patented NanoOptic® Product Technology
- Made in the U.S.A. of U.S. and imported parts
- **CRI:** Minimum 70 CRI
- **CCT:** 4000K (+/- 300K), 5700K (+/- 500K) standard
- **Limited Warranty†:** 10 years on luminaire/10 years on Colorfast DeltaGuard® finish

† See http://lighting.cree.com/warranty for warranty terms

Accessories

Field-Installed	
Bird Spikes XA-BRDSPK	**Hand-Held Remote** XA-SENSREM - For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required

LED Count (x10)	Dim. "A"	Weight
02	9.9" (251mm)	20 lbs. (9.1kg)
04	11.9" (303mm)	22 lbs. (10.0kg)
06	13.9" (353mm)	25 lbs. (11.3kg)
08	15.9" (404mm)	27 lbs. (12.2kg)
10	17.9" (455mm)	31 lbs. (14.1kg)
12	19.9" (505mm)	32 lbs. (14.5kg)

Ordering Information

Example: SEC-EDG-2M-WM-06-E-UL-SV-700

SEC-EDG	3M	WM	06	E	UL	SV	350	P
Product	**Optic**	**Mounting**	**LED Count (x10)**	**Series**	**Voltage**	**Color Options**	**Drive Current**	**Options**
SEC-EDG	**2M** Type II Medium **2MB** Type II Medium w/BLS **2S** Type II Short **2SB** Type II Short w/BLS **3M** Type III Medium **3MB** Type III Medium w/BLS **4M** Type IV Medium **4MB** Type IV Medium w/BLS	**WM** Wall Mount	**02** **04** **06** **08** **10** **12**	**E**	**UL** Universal 120-277V **UH** Universal 347-480V **34** 347V	**BK** Black **BZ** Bronze **SV** Silver **WH** White	**350** 350mA **525** 525mA -Available with 20-80 LEDs **700** 700mA -Available with 20-60 LEDs	**DIM 0-10V Dimming** - Control by others - Refer to Dimming spec sheet for details - Can't exceed specified drive current **F Fuse** - Refer to ML spec sheet for availability with ML options - Available with UL voltage only - When code dictates fusing, use time delay fuse **ML Multi-Level** - Refer to ML spec sheet for details - Intended for downlight applications of 0° tilt **P Photocell** - Refer to ML spec sheet for availability with ML options - Must specify UL or 34 voltage **PML Programmable Multi-Level** - Refer to PML spec sheet for details - Intended for downlight applications of 0° tilt **40K 4000K Color Temperature** - Minimum 70 CRI - Color temperature per luminaire

Product Specifications

CONSTRUCTION & MATERIALS

- Slim, low profile design
- Luminaire sides are rugged die cast aluminum with integral, weathertight LED driver compartment and high performance aluminum heat sinks specifically designed for LED applications
- Housing is rugged aluminum
- Furnished with low copper, light weight mounting box designed for installation over standard and mud ring single gang J-Boxes
- Luminaire can also be direct mounted to a wall and surface wired
- Secures to wall with four 3/16" (5mm) screws (by others)
- Conduit entry from top, bottom, sides, and rear
- Allows mounting for uplight or downlight
- Designed and approved for easy through-wiring
- Includes leaf/debris guard
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultradurable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Black, bronze, silver and white are available
- **Weight:** See Dimensions and Weight Chart on page 1

ELECTRICAL SYSTEM

- **Input Voltage:** 120–277V or 347–480V, 50/60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- Integral weathertight J-Box with leads (wire nuts) for easy power hook up
- Integral 10kV surge suppression protection standard
- To address inrush current, slow blow fuse or type C/D breaker should be used
- **Maximum 10V Source Current:** 20 LED (350mA): 10mA; 20LED (525 & 700 mA) and 40-120 LED: 0.15mA

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed
- Suitable for wet locations
- Meets FCC Part 15 standards for conducted and radiated emissions
- Enclosure rated IP66 per IEC 60529 when ordered without P, PML or ML options
- 10kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- DLC qualified. Exceptions apply when ordered with full backlight control. Please refer to www.designlights.org/QPL for most current information
- Dark Sky Friendly, IDA Approved. Please refer to www.darksky.org/ for most current information
- Meets Buy American requirements within ARRA

Electrical Data*

LED Count (x10)	System Watts 120-480V	Total Current					
		120V	208V	240V	277V	347V	480V
350mA							
02	25	0.21	0.13	0.11	0.10	0.08	0.07
04	46	0.36	0.23	0.21	0.20	0.15	0.12
06	66	0.52	0.31	0.28	0.26	0.20	0.15
08	90	0.75	0.44	0.38	0.34	0.26	0.20
10	110	0.92	0.53	0.47	0.41	0.32	0.24
12	130	1.10	0.63	0.55	0.48	0.38	0.28
525mA							
02	37	0.30	0.19	0.17	0.16	0.12	0.10
04	70	0.58	0.34	0.31	0.28	0.21	0.16
06	101	0.84	0.49	0.43	0.38	0.30	0.22
08	133	1.13	0.66	0.58	0.51	0.39	0.28
700mA							
02	50	0.41	0.25	0.22	0.20	0.15	0.12
04	93	0.78	0.46	0.40	0.36	0.27	0.20
06	134	1.14	0.65	0.57	0.50	0.39	0.29

* Electrical data at 25°C (77°F)

Recommended Cree Edge™ Series Lumen Maintenance Factors (LMF)[1]

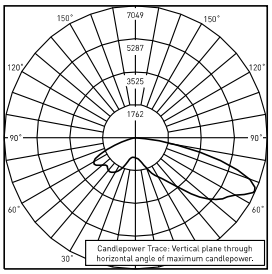
Ambient	Initial LMF	25K hr Projected[2] LMF	50K hr Projected[2] LMF	75K hr Calculated[3] LMF	100K hr Calculated[3] LMF
5°C (41°F)	1.04	0.99	0.97	0.95	0.93
10°C (50°F)	1.03	0.98	0.96	0.94	0.92
15°C (59°F)	1.02	0.97	0.95	0.93	0.91
20°C (68°F)	1.01	0.96	0.94	0.92	0.90
25°C (77°F)	1.00	0.95	0.93	0.91	0.89

[1] Lumen maintenance values at 25°C are calculated per TM-21 based on LM-80 data and in-situ luminaire testing
[2] In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing (DUT) i.e. the packaged LED chip)
[3] In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing (DUT) i.e. the packaged LED chip)

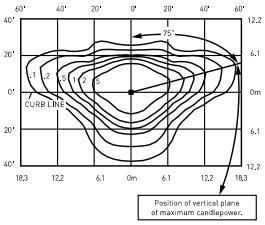
Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: http://lighting.cree.com/products/outdoor/wall-mount/cree-edge-series-5

2M



ITL Test Report #: 79174
SEC-EDG-2M-**-06-E-UL-700-40K
Initial Delivered Lumens: 11,128

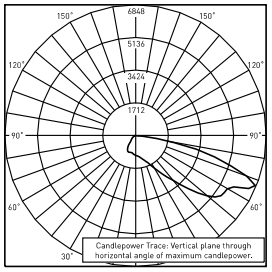


SEC-EDG-2M-**-08-E-UL-525-40K
Mounting Height: 10' (3.0m) A.F.G.
Initial Delivered Lumens: 11,835
Initial FC at grade

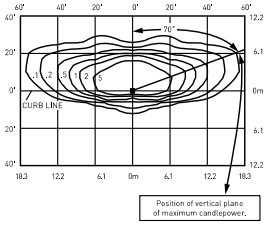
Type II Medium Distribution				
LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
02	2,138	B1 U0 G1	2,220	B1 U0 G1
04	4,276	B1 U0 G1	4,440	B1 U0 G1
06	6,340	B2 U0 G2	6,584	B2 U0 G2
08	8,454	B2 U0 G2	8,779	B2 U0 G2
10	10,542	B3 U0 G3	10,947	B3 U0 G3
12	12,650	B3 U0 G3	13,137	B3 U0 G3
525mA				
02	2,993	B1 U0 G1	3,108	B1 U0 G1
04	5,986	B2 U0 G2	6,216	B2 U0 G2
06	8,876	B2 U0 G2	9,218	B2 U0 G2
08	11,835	B3 U0 G3	12,290	B3 U0 G3
700mA				
02	3,656	B1 U0 G1	3,796	B1 U0 G1
04	7,311	B2 U0 G2	7,593	B2 U0 G2
06	10,842	B3 U0 G3	11,259	B3 U0 G3

* Initial delivered lumens at 25°C (77°F)
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf

2MB



CSA Test Report #: 6447
ARE-EDG-2MB-**-06-E-UL-700-40K
Initial Delivered Lumens: 7,953



SEC-EDG-2MB-**-08-E-UL-525-40K
Mounting Height: 10' (3.0m) A.F.G.
Initial Delivered Lumens: 8,915
Initial FC at grade

Type II Medium Distribution w/BLS				
LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
02	1,610	B0 U0 G1	1,672	B0 U0 G1
04	3,221	B0 U0 G1	3,345	B0 U0 G1
06	4,776	B1 U0 G1	4,959	B1 U0 G1
08	6,368	B1 U0 G1	6,613	B1 U0 G2
10	7,941	B1 U0 G2	8,246	B1 U0 G2
12	9,529	B1 U0 G2	9,895	B1 U0 G2
525mA				
02	2,254	B0 U0 G1	2,341	B0 U0 G1
04	4,509	B1 U0 G1	4,682	B1 U0 G1
06	6,686	B1 U0 G2	6,943	B1 U0 G2
08	8,915	B1 U0 G2	9,258	B1 U0 G2
700mA				
02	2,754	B0 U0 G1	2,860	B0 U0 G1
04	5,507	B1 U0 G1	5,719	B1 U0 G1
06	8,167	B1 U0 G2	8,481	B1 U0 G2

* Initial delivered lumens at 25°C (77°F)
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Photometry

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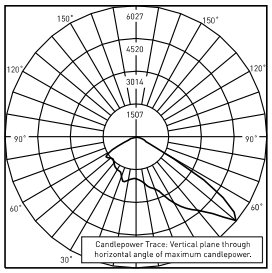
2S



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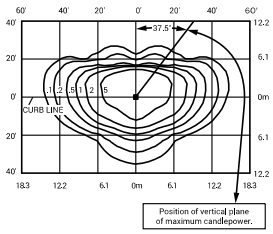
SEC-EDG-2S-**-06-E-UL-700-40K
Initial Delivered Lumens: 11,704



SEC-EDG-2S-**-08-E-UL-525-40K
Mounting Height: 10' (3.0m) A.F.G.
Initial Delivered Lumens: 12,604
Initial FC at grade

Type II Short Distribution				
LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
02	2,277	B1 U0 G1	2,364	B1 U0 G1
04	4,553	B1 U0 G1	4,728	B1 U0 G1
06	6,752	B2 U0 G2	7,012	B2 U0 G2
08	9,003	B2 U0 G2	9,349	B2 U0 G2
10	11,226	B3 U0 G3	11,658	B3 U0 G3
12	13,472	B3 U0 G3	13,990	B3 U0 G3
525mA				
02	3,187	B1 U0 G1	3,310	B1 U0 G1
04	6,375	B2 U0 G2	6,620	B2 U0 G2
06	9,453	B2 U0 G2	9,816	B3 U0 G3
08	12,604	B3 U0 G3	13,088	B3 U0 G3
700mA				
02	3,893	B1 U0 G1	4,043	B1 U0 G1
04	7,786	B2 U0 G2	8,086	B2 U0 G2
06	11,546	B3 U0 G3	11,990	B3 U0 G3

* Initial delivered lumens at 25°C (77°F)
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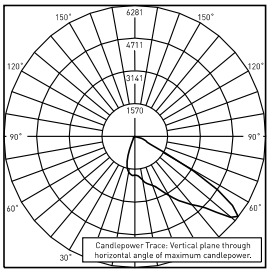
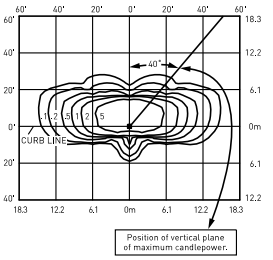
2SB



CSA Test Report #: 6454
ARE-EDG-2SB-**-06-E-UL-700-40K
Initial Delivered Lumens: 9,202



SEC-EDG-2SB-**-08-E-UL-525-40K
Mounting Height: 10' (3.0m) A.F.G.
Initial Delivered Lumens: 9,683
Initial FC at grade

Type II Short Distribution w/BLS				
LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
02	1,749	B0 U0 G1	1,816	B0 U0 G1
04	3,498	B1 U0 G1	3,633	B1 U0 G1
06	5,188	B1 U0 G1	5,387	B1 U0 G1
08	6,917	B1 U0 G1	7,183	B1 U0 G1
10	8,625	B2 U0 G1	8,957	B2 U0 G1
12	10,350	B2 U0 G2	10,748	B2 U0 G2
525mA				
02	2,449	B1 U0 G1	2,543	B1 U0 G1
04	4,898	B1 U0 G1	5,086	B1 U0 G1
06	7,263	B1 U0 G1	7,542	B1 U0 G1
08	9,683	B2 U0 G2	10,056	B2 U0 G2
700mA				
02	2,991	B1 U0 G1	3,106	B1 U0 G1
04	5,982	B1 U0 G1	6,212	B1 U0 G1
06	8,871	B2 U0 G1	9,212	B2 U0 G2

* Initial delivered lumens at 25°C (77°F)
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Photometry

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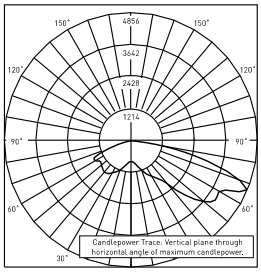
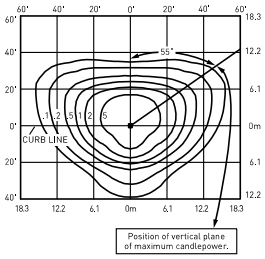
3M



ITLTest Report #: 79173
SEC-EDG-3M-**-06-E-UL-700-40K
Initial Delivered Lumens: 10,343



SEC-EDG-3M-**-08-E-UL-525-40K
Mounting Height: 10' (3.0m) A.F.G.
Initial Delivered Lumens: 11,220
Initial FC at grade

Type III Medium Distribution				
LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
02	2,027	B1 U0 G1	2,105	B1 U0 G1
04	4,054	B1 U0 G1	4,209	B1 U0 G1
06	6,011	B2 U0 G2	6,242	B2 U0 G2
08	8,015	B2 U0 G2	8,323	B2 U0 G2
10	9,994	B3 U0 G3	10,379	B3 U0 G3
12	11,993	B3 U0 G3	12,454	B3 U0 G3
525mA				
02	2,837	B1 U0 G1	2,947	B1 U0 G1
04	5,675	B2 U0 G2	5,893	B2 U0 G2
06	8,415	B2 U0 G2	8,739	B2 U0 G2
08	11,220	B3 U0 G3	11,652	B3 U0 G3
700mA				
02	3,466	B1 U0 G1	3,599	B1 U0 G1
04	6,932	B2 U0 G2	7,198	B2 U0 G2
06	10,279	B3 U0 G3	10,674	B3 U0 G3

* Initial delivered lumens at 25˚C (77˚F)
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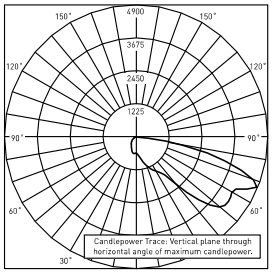
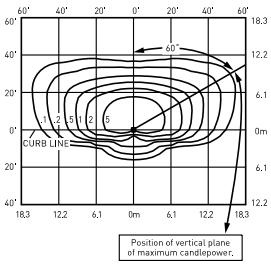
3MB



CSA Test Report #: 6448
ARE-EDG-3MB-**-06-E-UL-700
Initial Delivered Lumens: 7,740



SEC-EDG-3MB-**-08-E-UL-525-40K
Mounting Height: 10' (3.0m) A.F.G.
Initial Delivered Lumens: 8,300
Initial FC at grade

Type III Medium Distribution w/BLS				
LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
02	1,499	B1 U0 G1	1,557	B1 U0 G1
04	2,999	B1 U0 G1	3,114	B1 U0 G1
06	4,446	B1 U0 G1	4,617	B1 U0 G1
08	5,929	B1 U0 G2	6,157	B1 U0 G2
10	7,393	B1 U0 G2	7,677	B1 U0 G2
12	8,872	B1 U0 G2	9,213	B1 U0 G2
525mA				
02	2,099	B1 U0 G1	2,180	B1 U0 G1
04	4,198	B1 U0 G1	4,359	B1 U0 G1
06	6,225	B1 U0 G2	6,464	B1 U0 G2
08	8,300	B1 U0 G2	8,619	B1 U0 G2
700mA				
02	2,564	B1 U0 G1	2,662	B1 U0 G1
04	5,127	B1 U0 G2	5,325	B1 U0 G2
06	7,603	B1 U0 G2	7,896	B1 U0 G2

* Initial delivered lumens at 25˚C (77˚F)
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Photometry

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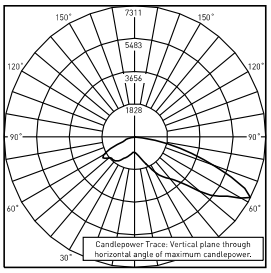
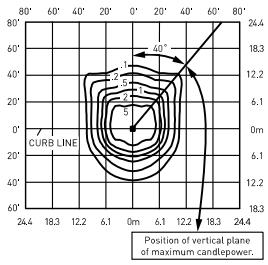
4M



ITL Test Report #: 78793
SEC-EDG-4M-**-06-E-UL-700-40K
Initial Delivered Lumens: 11,607

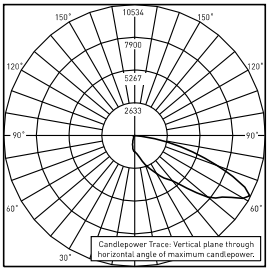


SEC-EDG-4M-**-08-E-UL-525-40K
Mounting Height: 10' (3.0m) A.F.G.
Initial Delivered Lumens: 11,835
Initial FC at grade

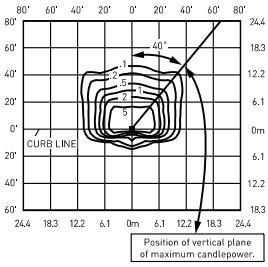
Type IV Medium Distribution				
LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
02	2,138	B1 U0 G1	2,220	B1 U0 G1
04	4,276	B1 U0 G1	4,440	B1 U0 G1
06	6,340	B2 U0 G2	6,584	B2 U0 G2
08	8,454	B2 U0 G2	8,779	B2 U0 G2
10	10,542	B2 U0 G2	10,947	B3 U0 G3
12	12,650	B3 U0 G3	13,137	B3 U0 G3
525mA				
02	2,993	B1 U0 G1	3,108	B1 U0 G1
04	5,986	B2 U0 G2	6,216	B2 U0 G2
06	8,876	B2 U0 G2	9,218	B2 U0 G2
08	11,835	B3 U0 G3	12,290	B3 U0 G3
700mA				
02	3,656	B1 U0 G1	3,796	B1 U0 G1
04	7,311	B2 U0 G2	7,593	B2 U0 G2
06	10,842	B3 U0 G3	11,259	B3 U0 G3

* Initial delivered lumens at 25°C (77°F)
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf

4MB



CSA Test Report #: 6449
ARE-EDG-4MB-**-12-E-UL-525-40K
Initial Delivered Lumens: 13,155

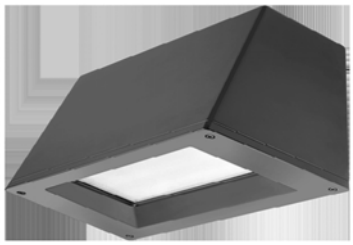


SEC-EDG-4MB-**-08-E-UL-525-40K
Mounting Height: 10' (3.0m) A.F.G.
Initial Delivered Lumens: 8,915
Initial FC at grade

Type IV Medium Distribution w/BLS				
LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
02	1,610	B0 U0 G1	1,672	B0 U0 G1
04	3,221	B1 U0 G1	3,345	B1 U0 G1
06	4,776	B1 U0 G1	4,959	B1 U0 G1
08	6,368	B1 U0 G2	6,613	B1 U0 G2
10	7,941	B1 U0 G2	8,246	B1 U0 G2
12	9,529	B1 U0 G2	9,895	B1 U0 G2
525mA				
02	2,254	B0 U0 G1	2,341	B0 U0 G1
04	4,509	B1 U0 G1	4,682	B1 U0 G1
06	6,686	B1 U0 G2	6,943	B1 U0 G2
08	8,915	B1 U0 G2	9,258	B1 U0 G2
700mA				
02	2,754	B0 U0 G1	2,860	B0 U0 G1
04	5,507	B1 U0 G1	5,719	B1 U0 G2
06	8,167	B1 U0 G2	8,481	B1 U0 G2

* Initial delivered lumens at 25°C (77°F)
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf

US: lighting.cree.com/lighting T (800) 236-6800 F (262) 504-5415
Canada: www.cree.com/canada T (800) 473-1234 F (800) 890-7507



WST LED

Architectural Wall Sconce

Catalog Number

Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

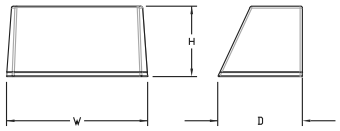
Luminaire

Height: 8-1/2" *(21.59 cm)*

Width: 17" *(43.18 cm)*

Depth: 10-3/16" *(25.9 cm)*

Weight: 20 lbs *(9.1 kg)*

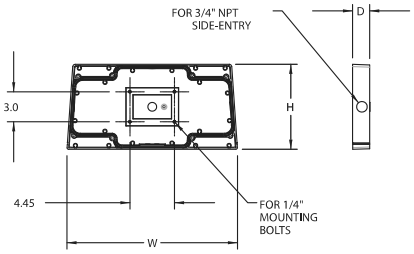


Optional Back Box (BBW)

Height: 4" *(10.2 cm)*

Width: 5-1/2" *(14.0 cm)*

Depth: 1-1/2" *(3.8 cm)*



Introduction

The WST LED is designed with the specifier in mind. The traditional, trapezoidal shape offers a soft, non-pixilated light source for end-user visual comfort. For emergency egress lighting, the WST LED offers six battery options, including remote. For additional code compliance and energy savings, there is also a Bi-level motion sensor option. With so many standard and optional features, three lumen packages, and high LPW, the WST LED is your "go to" luminaire for most any application.

Ordering Information

EXAMPLE: WST LED P1 40K VF MVOLT DDBTXD

WST LED					
Series	**Performance Package**	**Color temperature**	**Distribution**	**Voltage**	**Mounting**
WST LED	P1 1,500 Lumen package P2 3,000 Lumen package P3 6,000 Lumen package	27K 2700 K 30K 3000 K 40K 4000 K 50K 5000 K	VF Visual comfort forward throw VW Visual comfort wide	MVOLT[1] 277[1] 120[1] 347 208[1] 480 240[1]	**Shipped included** (blank) Surface mounting bracket **Shipped separately** BBW Surface-mounted back box[2] PBBW Premium surface-mounted back box[2,3]

Options		Finish *(required)*	
PE	Photoelectric cell, button type	DDBXD	Dark bronze
PER	NEMA twist-lock receptacle only	DBLXD	Black
PER5	Five-wire receptacle only	DNAXD	Natural aluminum
PER7	Seven-wire receptacle only	DWHXD	White
PIR	Motion/Ambient Light Sensor, 8-15' mounting height[4]	DSSXD	Sandstone
PIR1FC3V	Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc[4]	DDBTXD	Textured dark bronze
PIRH	180° motion/ambient light sensor, 15-30' mounting height[4]	DBLBXD	Textured black
PIRH1FC3V	Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc[4]	DNATXD	Textured natural aluminum
SF	Single fuse (120, 277, 347V)[5]	DWHGXD	Textured white
DF	Double fuse (208, 240, 480V)[5]	DSSTXD	Textured sandstone
DS	Dual switching[6]		
E7WH	Emergency battery backup (7W)[7]		
E7WC	Emergency battery backup (cold, 7W)[7,8]		
E7WHR	Remote emergency battery backup (remote 7W)[7,9]		
E20WH	Emergency battery backup (20W)[7,10]		
E20WC	Emergency battery backup (cold, 20W)[7,8,10]		
E23WHR	Remote emergency battery backup (remote 20W)[7,9]		
LCE	Left side conduit entry[11]		
RCE	Right side conduit entry[11]		
Shipped separately			
RBPW	Retrofit back plate[2]		
VG	Vandal guard[12]		
WG	Wire guard[12]		

Accessories

Ordered and shipped separately.

WSTVCPBBW DDBXD U	Premium Surface - mounted back box
WSBBW DDBTX U	Surface - mounted back box
RBPW DDBXD U	Retrofit back plate

NOTES

1 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only. when ordering with button type photocell (PE), fusing (SF, DF), or dual switching (DS).
2 Also available as a separate accessory; see accessories information.
3 Top conduit entry standard.
4 Not available with PE, PER, PER5, PER7, VG or WG.
5 Not available with MVOLT option. Button photocell (PE) can be ordered with a dedicated voltage option. Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
6 Not available with E7WH, E7WC, E7WHR, E20WC, E20WH, or E23WHR. Used with inverter system. Not available with 347/480V. Not available with PE, PER, PER5 & PER7.
7 Not available with 347/480V.
8 Battery pack rated for -20° to 40°C.
9 Comes with PBBW.
10 Warranty period is 3-years.
11 Not available with BBW.
12 Must order with fixture; not an accessory.

Emergency Battery Operation

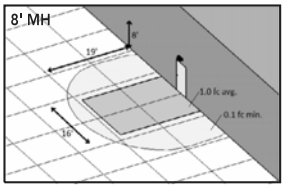
The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product.

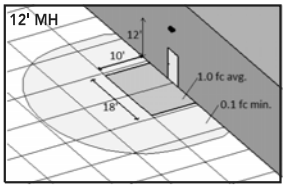
All emergency backup configurations include an independent secondary driver with an integral relay to immediately detect AC power loss, meeting interpretations of NFPA 70/NEC 2008 - 700.16

The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time supply power is lost, per International Building Code Section 1006 and NFPA 101 Life Safety Code Section 7.9, provided luminaires are mounted at an appropriate height and illuminate an open space with no major obstructions.

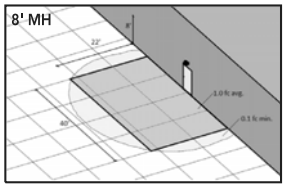
The examples below show illuminance of 1 fc average and 0.1 fc minimum of the P1 power package and VF distribution product in emergency mode.

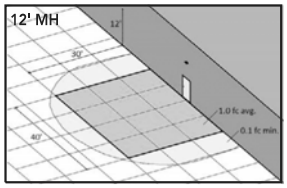
10' x 10' Gridlines
8' and 12' Mounting Height





WST LED P1 27K VF MVOLT E7WH





WST LED P2 40K VF MVOLT E20WH

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts.

Performance Package	System Watts (MVOLT[1])	Dist. Type	27K (2700K, 70 CRI)					30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	12W	VF	1,494	0	0	0	125	1,529	0	0	0	127	1,639	0	0	0	137	1,639	0	0	0	137
		VW	1,513	0	0	0	126	1,548	0	0	0	129	1,660	0	0	0	138	1,660	0	0	0	138
P2	25W	VF	3,162	1	0	1	126	3,236	1	0	1	129	3,468	1	0	1	139	3,468	1	0	1	139
		VW	3,202	1	0	0	128	3,277	1	0	0	131	3,512	1	0	0	140	3,512	1	0	0	140
P3	50W	VF	6,023	1	0	1	120	6,164	1	0	1	123	6,607	1	0	1	132	6,607	1	0	1	132
		VW	6,100	1	0	1	122	6,242	1	0	1	125	6,691	1	0	1	134	6,691	1	0	1	134

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.03
10°C	50°F	1.02
20°C	68°F	1.01
25°C	**77°F**	**1.00**
30°C	86°F	0.99
40°C	104°F	0.98

Projected LED Lumen Maintenance

Values calculated according to IESNA TM-21-11 methodology and valid up to 40°C.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.95	>0.92	>0.87

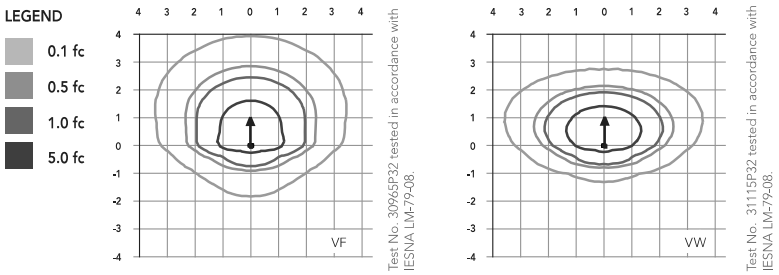
Electrical Load

Performance package	System Watts	Current (A)					
		120	208	240	277	347	480
P1	11	0.1	0.06	0.05	0.04	---	—
	14	---	---	---	---	0.04	0.03
P1 DS	14	0.12	0.07	0.06	0.06	---	—
P2	25	0.21	0.13	0.11	0.1	---	—
	30	---	---	---	---	0.09	0.06
P2 DS	25	0.21	0.13	0.11	0.1	---	—
P3	50	0.42	0.24	0.21	0.19	---	—
	56	---	---	---	---	0.16	0.12
P3 DS	52	0.43	0.26	0.23	0.21	---	—

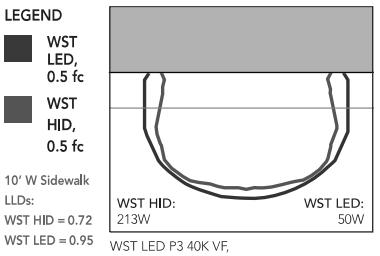
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's WST LED homepage.

Isofootcandle plots for the WST LED P3 40K VF and VW. Distances are in units of mounting height (10').



Distribution overlay comparison to 175W metal halide.



WST LED P3 40K VF,
WST 175M FT Probe, 12' Mounting Ht

FEATURES & SPECIFICATIONS

INTENDED USE
The classic architectural shape of the WST LED was designed for applications such as hospitals, schools, malls, restaurants, and commercial buildings. The long life LEDs and driver make this luminaire nearly maintenance-free.

CONSTRUCTION
The single-piece die-cast aluminum housing integrates secondary heat sinks to optimize thermal transfer from the internal light engine heat sinks and promote long life. The driver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP65 rating for the luminaire.

FINISH
Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

OPTICS
Well crafted reflector optics allow the light engine to be recessed within the luminaire, providing visual comfort, superior distribution, uniformity, and spacing in wall-mount applications. The WST LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL
Light engine(s) consist of 98 high-efficacy LEDs mounted to a metal core circuit board and integral aluminum heat sinks to maximize heat dissipation and promote long life (100,000 hrs at 40°C, L87). Class 2 electronic driver has a power factor >90%, THD <20%. Easily-serviceable surge protection device meets a minimum Category B (per ANSI/IEEE C62.41.2).

INSTALLATION
A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections.

LISTINGS
CSA certified to U.S. and Canadian standards. Luminaire is IP65 rated. PIR back box options are rated for wet location. Rated for -30°C to 40°C ambient.

DesignLights Consortium® (DLC) Premium qualified product. Not all versions of this product may be DLC Premium qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

WARRANTY
5-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

Parking Garage Interior Ceiling Mounted Light Fixture

304 Series™

LED Parking Structure Luminaire

Product Description

Slim, low profile design. Luminaire is constructed from rugged die cast and extruded aluminum components. LED driver is mounted in a sealed weathertight center chamber that allows for access from below the luminaire. High performance aluminum heat sinks specifically designed for LED parking structure application.

Applications: Parking structures and low-medium bay general lighting

Performance Summary

Patented NanoOptic® Product Technology

Made in the U.S.A. of U.S. and imported parts

CRI: Minimum 70 CRI

CCT: 4000K (+/- 300K), 5700K (+/- 500K) Standard

Limited Warranty†: 10 years on luminaire/10 years on Colorfast DeltaGuard® finish

† See http://lighting.cree.com/warranty for warranty terms

Accessories

Field-Installed

Bird Guard
- For pendant or hook & cord mount only

XA-XCPBRDGRD

For Pendant Mount Luminaires

Leveler
- For 0-13˚ Sloped Ceilings

XA-PNDTLVL**

Fitting

XA-PSFTG**

Pendant Mount Kits
- Includes conduit fitting and threaded pipe
- Pendant height from ceiling surface to bottom of the luminaire; mounting accessories or surface boxes will add to overall height

XA-PS12KIT** – 12" (305mm)
XA-PS18KIT** – 18" (457mm)
XA-PS22KIT** – 22" (559mm)

For Hook & Cord Mount Luminaires

Locking Type Plug

XA-L515P – 120V
XA-L615P – 208/240V
XA-L715P – 277V
XA-L3720P – 347V

Locking Type Receptacle

XA-L515R – 120V
XA-L615R – 208/240V
XA-L715R – 277V
XA-L720R – 347V

Steady Lock
- For eyebolt

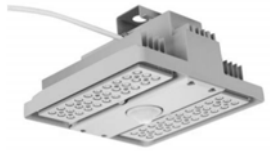
SL-C

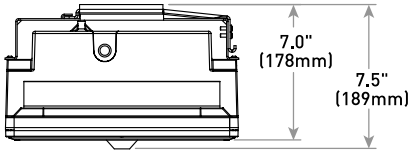
Hand-Held Remote

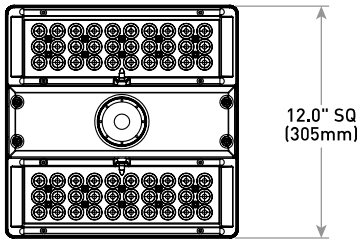
XA-SENSREM
- For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required

** Must specify color

DM Mount







LED Count (x10)	Weight
04	20.4 lbs. (9.3kg)
06	20.8 lbs. (9.4kg)

Ordering Information

Example: PKG-304-5M-DM-04-E-UL-SV-700

PKG-304	5M		06	E		SV		DIM
Product	**Optic**	**Mounting**	**LED Count (x10)**	**Series**	**Voltage**	**Color Options**	**Drive Current**	**Options**
PKG-304	**5M** Type V Medium **5S** Type V Short **PS** Petroleum Symmetric **SL** Sparkle Petroleum **40** 40˚ Flood	**DM** Direct **HC** Hook & Cord **PD** Pendant	**04** **06**	**E**	**UL** Universal 120-277V **UH** Universal 347-480V	**BK** Black **BZ** Bronze **SV** Silver **WH** White	**350** 350mA **525** 525mA **700** 700mA	**DIM** 0-10V Dimming - Control by others - Refer to Dimming spec sheet for details - Can't exceed of specified drive current **F** Fuse - Available with UL voltage only - When code dictates fusing use time delay fuse - Refer to ML spec sheet for availability with ML options **J** Alternate Junction Box Mounting - For direct mount only - Alternate bracket to fit 4" (102mm) square and RACO279 J-Box **ML** Multi-Level - Refer to ML spec sheet for details - Intended for downlight applications at 0˚ tilt **PML** Programmable Multi-Level - Refer to PML spec sheet for details - Intended for downlight applications at 0˚ tilt **40K** 4000K Color Temperature - Minimum 70 CRI - Color temperature per luminaire

Rev. Date: V2 07/27/2016

US: lighting.cree.com/lighting T (800) 236-6800 F (262) 504-5415

Canada: www.cree.com/canada T (800) 473-1234 F (800) 890-7507

Product Specifications

CONSTRUCTION & MATERIALS

- Slim, low profile design
- Constructed from rugged die cast and extruded aluminum components
- LED driver is mounted in a sealed weathertight center chamber that allows for access from below the luminaire
- High performance heat sinks specifically designed for LED parking structure
  application
- Direct mounting bracket is designed to mount directly over existing single gang and octagonal junction boxes for direct mount
- Hook and cord mount provided with spring lock hook for mounting and 1.5' (0.5m) of cord
- Pendant mount includes 36" (419mm) cord out of the luminaire and is intended to be mounted by 3/4 IP pendant (by others)
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an
  ultradurable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Black, bronze, silver, and white are available
- **Weight:** See Weight Charts on pages 1 and 5

ELECTRICAL SYSTEM

- **Input Voltage:** 120-277V or 347-480V, 50/60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- Integral 10kV surge suppression protection standard
- To address inrush current, slow blow fuse or type C/D breaker should be used
- **10V Source Current:** 0.15mA

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed
- Suitable for wet locations
- Enclosure rated IP66 per IEC 60529
- Consult factory for CE Certified products
- 10kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
- Meets FCC Part 15 standards for conducted and radiated emissions
- DLC qualified when ordered with 5M or 5S optics. Please refer to www.designlights.org/QPL for most current information
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- RoHS Compliant. Consult factory for additional details
- Meets Buy American requirements within ARRA

Electrical Data*

LED Count (x10)	System Watts 120-480V	Total Current					
		120V	208V	240V	277V	347V	480V
350mA							
04	46	0.39	0.24	0.22	0.21	0.15	0.12
06	69	0.57	0.34	0.30	0.27	0.21	0.16
525mA							
04	71	0.59	0.35	0.31	0.28	0.21	0.16
06	101	0.84	0.49	0.43	0.38	0.30	0.22
700mA							
04	94	0.79	0.46	0.40	0.36	0.28	0.21
06	135	1.14	0.65	0.57	0.50	0.40	0.29

* Electrical data at 25°C (77°F)

Recommended 304 Series™ Lumen Maintenance Factors (LMF)[1]

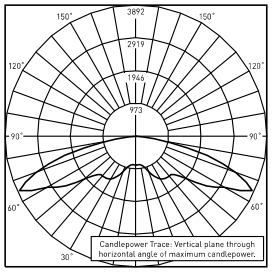
Ambient	Initial LMF	25K hr Projected[2] LMF	50K hr Projected[2] LMF	75K hr Calculated[3] LMF	100K hr Calculated[3] LMF
5°C (41°F)	1.04	0.99	0.97	0.95	0.93
10°C (50°F)	1.03	0.98	0.96	0.94	0.92
15°C (59°F)	1.02	0.97	0.95	0.93	0.91
20°C (68°F)	1.01	0.96	0.94	0.92	0.90
25°C (77°F)	1.00	0.95	0.93	0.91	0.89

[1] Lumen maintenance values at 25°C (77°F) are calculated per TM-21 based on LM-80 data and in-situ luminaire testing
[2] In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing ([DUT) i.e. the packaged LED chip)
[3] In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing ([DUT) i.e. the packaged LED chip)

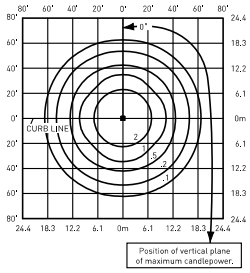
Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: http://lighting.cree.com/products/outdoor/parking-structure/304-series-2

5M



ITL Test Report #: 77285
PKG-304-5M-**-06-E-UL-700-40K
Initial Delivered Lumens: 11,681

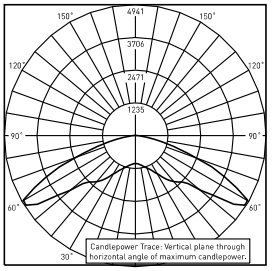


PKG-304-5M-**-06-E-UL-700-40K
Mounting Height: 15' (4.6m) A.F.G.
Initial Delivered Lumens: 11,625
Initial FC at grade

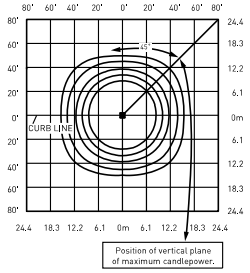
Type V Medium Distribution				
LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
04	4,595	B3 U1 G1	4,771	B3 U1 G1
06	6,838	B3 U1 G1	7,101	B3 U1 G2
525mA				
04	6,433	B3 U1 G1	6,680	B3 U1 G1
06	9,574	B3 U1 G2	9,942	B3 U1 G2
700mA				
04	7,811	B3 U1 G2	8,111	B3 U1 G2
06	11,625	B4 U1 G2	12,072	B4 U1 G2

* Initial delivered lumens at 25°C (77°F)
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf

5S



ITL Test Report #: 77876
PKG-304-5S-**-06-E-UL-700-40K
Initial Delivered Lumens: 12,738



PKG-304-5S-**-06-E-UL-700-40K
Mounting Height: 15' (4.6m) A.F.G.
Initial Delivered Lumens: 12,917
Initial FC at grade

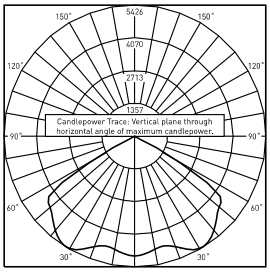
Type V Short Distribution				
LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
04	5,105	B2 U0 G1	5,302	B2 U0 G1
06	7,598	B3 U0 G1	7,890	B3 U0 G1
525mA				
04	7,147	B3 U0 G1	7,422	B3 U0 G1
06	10,637	B3 U0 G2	11,046	B3 U0 G2
700mA				
04	8,679	B3 U0 G1	9,013	B3 U0 G1
06	12,917	B3 U0 G2	13,413	B3 U0 G2

* Initial delivered lumens at 25°C (77°F)
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf

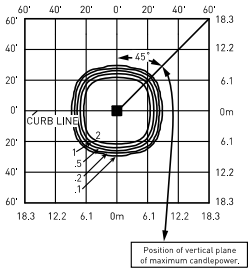
Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: http://lighting.cree.com/products/outdoor/parking-structure/304-series-2

PS



ITL Test Report #: 76940
CAN-304-PS-**-06-E-UL-700-40K
Initial Delivered Lumens: 13,581

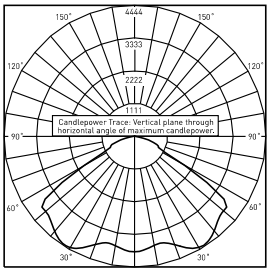


PKG-304-PS-**-06-E-UL-700-40K
Mounting Height: 15' (4.6m) A.F.G.
Initial Delivered Lumens: 13,204
Initial FC at grade

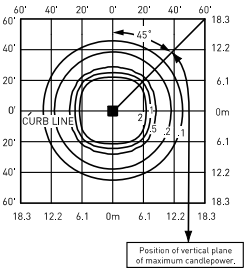
Petroleum Symmetric Distribution				
LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
04	5,219	B2 U0 G0	5,419	B2 U0 G0
06	7,767	B3 U0 G0	8,066	B3 U0 G0
525mA				
04	7,306	B3 U0 G0	7,587	B3 U0 G0
06	10,874	B3 U0 G0	11,292	B3 U0 G0
700mA				
04	8,872	B3 U0 G0	9,213	B3 U0 G0
06	13,204	B3 U0 G0	13,712	B3 U0 G0

* Initial delivered lumens at 25°C (77°F)
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf

SL



ITL Test Report #: 77415
CAN-304-SL-**-06-E-UL-700-40K
Initial Delivered Lumens: 12,707



PKG-304-SL-**-06-E-UL-700-40K
Mounting Height: 15' (4.6m) A.F.G.
Initial Delivered Lumens: 12,773
Initial FC at grade

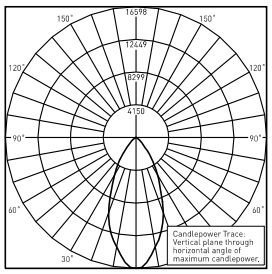
Sparkle Petroleum Distribution				
LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
04	5,048	B2 U0 G1	5,243	B2 U0 G1
06	7,514	B3 U0 G1	7,803	B3 U0 G1
525mA				
04	7,068	B2 U0 G1	7,340	B2 U0 G1
06	10,519	B3 U0 G1	10,924	B3 U0 G1
700mA				
04	8,582	B3 U0 G1	8,912	B3 U0 G1
06	12,773	B3 U0 G1	13,264	B3 U0 G1

* Initial delivered lumens at 25°C (77°F)
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf

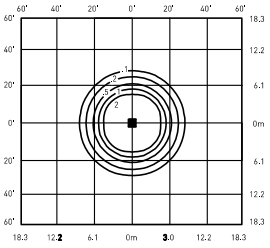
Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: http://lighting.cree.com/products/outdoor/parking-structure/304-series-2

40˚



ITL Test Report #: 78011
CAN-304-40-**-06-E-UL-700-40K
Initial Delivered Lumens: 12,497

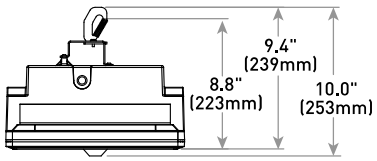


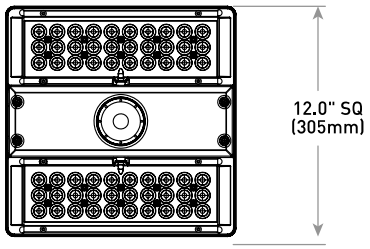
PKG-304-40-**-06-E-UL-700-40K
Mounting Height: 15' (4.6m) A.F.G.
Initial Delivered Lumens: 12,917
Initial FC at grade

40˚ Flood Distribution				
LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
04	5,105	N/A	5,302	N/A
06	7,598	N/A	7,890	N/A
525mA				
04	7,147	N/A	7,422	N/A
06	10,637	N/A	11,046	N/A
700mA				
04	8,679	N/A	9,013	N/A
06	12,917	N/A	13,413	N/A

* Initial delivered lumens at 25˚C (77˚F)
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf

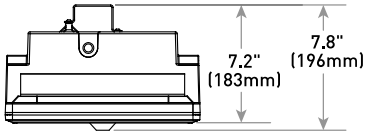
HC Mount

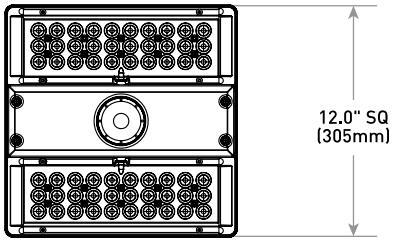




LED Count (x10)	Weight
04	18.1 lbs. (8.2kg)
06	18.6 lbs. (8.4kg)

PD Mount





LED Count (x10)	Weight
04	18.5 lbs. (8.4kg)
06	18.8 lbs. (8.5kg)

US: lighting.cree.com/lighting T (800) 236-6800 F (262) 504-5415
Canada: www.cree.com/canada T (800) 473-1234 F (800) 890-7507

Specification Sheet

RSES Sign Light Fixtures

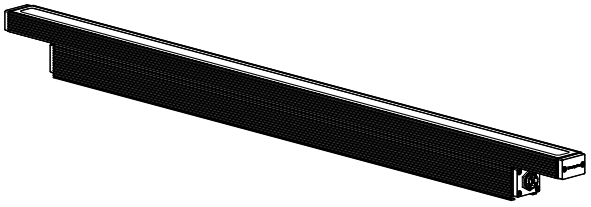
lumenfacade™

WHITE & STATIC COLORS

Client _____ **Project name** _____

Order# _____ **Type** _____ **Qty** _____

FEATURES AND BENEFITS



Physical :

- Low copper content extruded aluminum housing
- Available in 1', 2', 3' or 4' sections
- Electro-statically applied polyester powder coat finish
- Machined aluminum end caps and silicone gaskets
- Stainless steel hardware
- Clear tempered glass lens
- Asymmetric wallwash, 8° x 8°, 10° x 10°, 10° x 30°, 10° x 60°, 10° x 90°, 15° x 25°, 30° x 30°, 30° x 60°, 35° x 35°, 50° x 80°, 60° x 60°, 80° x 80°, or 90° x 90° optics
- IP66
- IK07 rated (asymmetric wallwash lens is IK06 rated)
- Meets 3G ANSI C136.31 Vibration standard for bridge applications
- Corrosion-resistant coating for hostile environments[2]

Performance :

- 2200K, 2700K, 3000K, 3500K, 4000K, Red, Green, Blue static colors available
- CRI value: 80+
- Minimum 1fc (10.7 lux) @ 140ft (43m) distance (HO 4000K, 4' unit, 10° x 60° optic)
- Lumen maintenance: 120,000 hrs [L70 @ 25°C]
- Lumen measurements comply with LM - 79 - 08 standard
- Resolution per foot or per fixture (configured with LumenID V3 software & DMX/RDM)
- Operating temperatures: -25° C to 50° C [-13F to 122F]

Electrical :

- Line voltage luminaire for 100 to 277V
- Power and data in 1 cable (#16-5)
- End-to-end option (ETE): 16" black input cable, no jumper cable needed
- 252ft [77m] maximum cable and fixture run length, non-dimming, 277V, RO version
- 164ft [50m] maximum cable and fixture run length, non-dimming, 277V, HO version
- 5W/ft version meets ASHRAE standards for linear lighting on building facades[3]
- 8.5W/ft Regular Output version[3]
- 15.25W/ft High Output version[3]
- Dimming options: Lumentalk, 0-10 volt, DALI, Lutron® EcoSystem® or DMX/RDM enabled

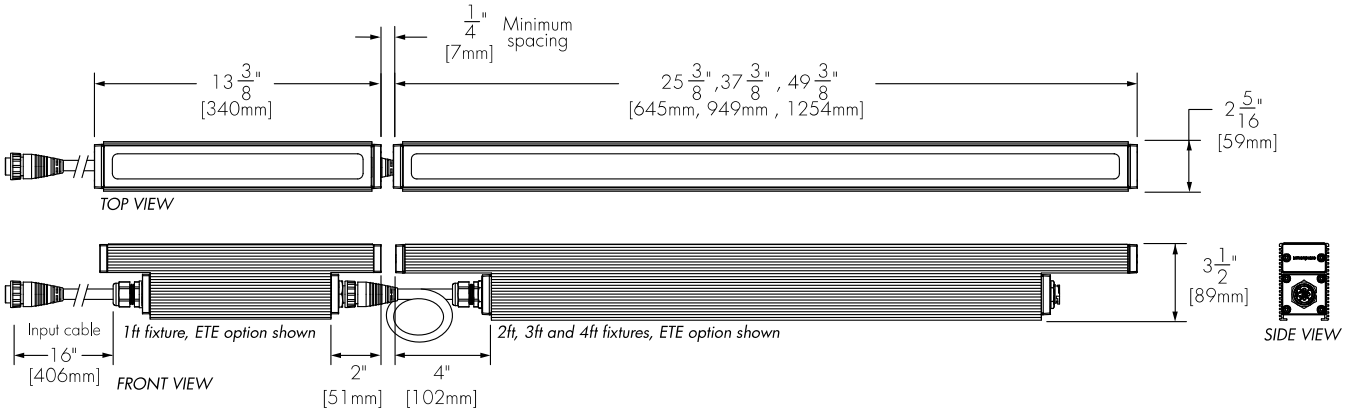
IK07[1]

lumentalk™ EcoSystem. Enabled

Photometric Summary

4ft HO, 4000K	Delivered Output [lm]	Intensity [peak cd]
WW	3,592	5,159
8°x8°	4,045	77,896
10°x10°	3,768*	38,346*
10°x30°	3,830	30,056
10°x60°	3,692	19,654
10°x90°	3,576	7,897
30°x30°	3,765	14,726
30°x60°	3,862*	5,119*
60°x60°	3,447*	3,015*
90°x90°	3,592	1,886

Photometric performance is measured in compliance with IESNA LM-79-08.
*Estimated. Consult Lumenpulse website for the latest IES and LDT files.



[1] Asymmetric wallwash lens is IK06 rated.
[2] Use only when exposed to salt spray and harsh chemicals. This option is not required for normal outdoor exposure!
[3] ASHRAE version not available for 1' fixture lengths. Power consumption is typically 20% higher for 1' fixture lengths.

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H3K 1G6

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5-year limited warranty.

Consult www.lumenpulsegroup.com for our complete Standard Terms and Conditions of Sales.

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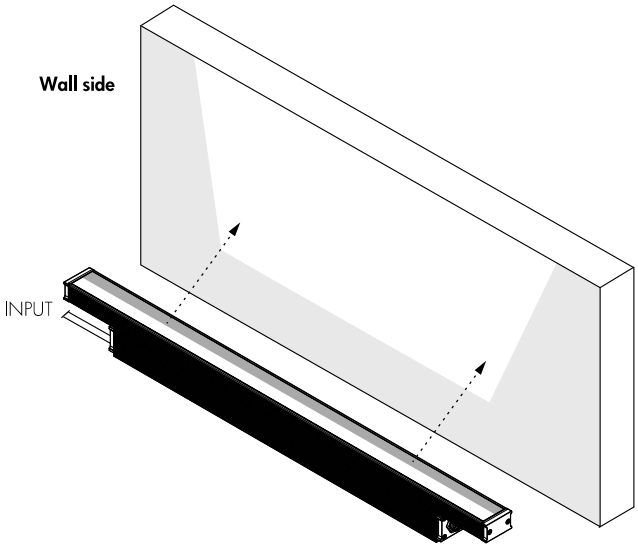
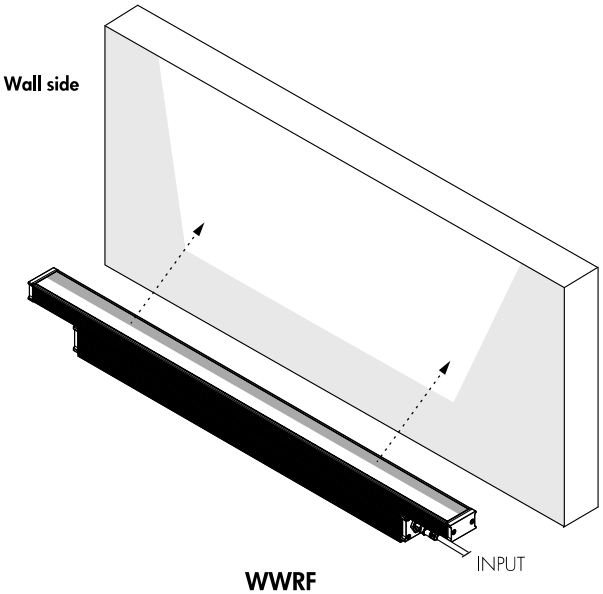
ASYMMETRIC WALLWASH OPTIC FEEDING SIDE DETAIL

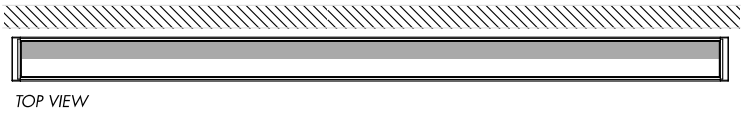


WWLF
Asymmetric Wallwash Optic, Left Feed

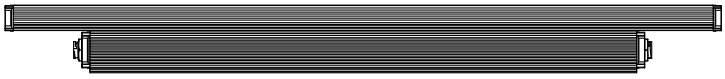


WWRF
Asymmetric Wallwash Optic, Right Feed

Always position frosted side toward the wall



TOP VIEW



FRONT VIEW

RIGHT SIDE VIEW
(Fixture pointing upwards)

*Fixture's feeding side is based on uplight installations. Feeding sides are reversed when fixture is used in a downlight application.

Recommended setback from wall is 1/10 of the wall height.

Example: 2ft [0.6m] setback for a 20ft [6m] wall.

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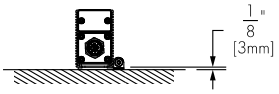
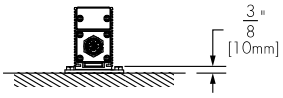
MOUNTING OPTIONS

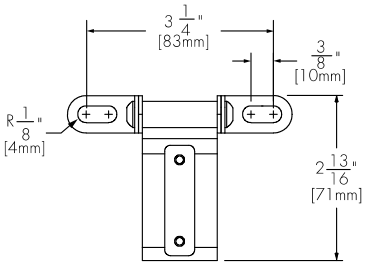
Surface Mount

SAM
Slim Adjustable Mounting



UMP
Fixed Mounting





SAM
Mounting Hole Pattern

Wall Mount

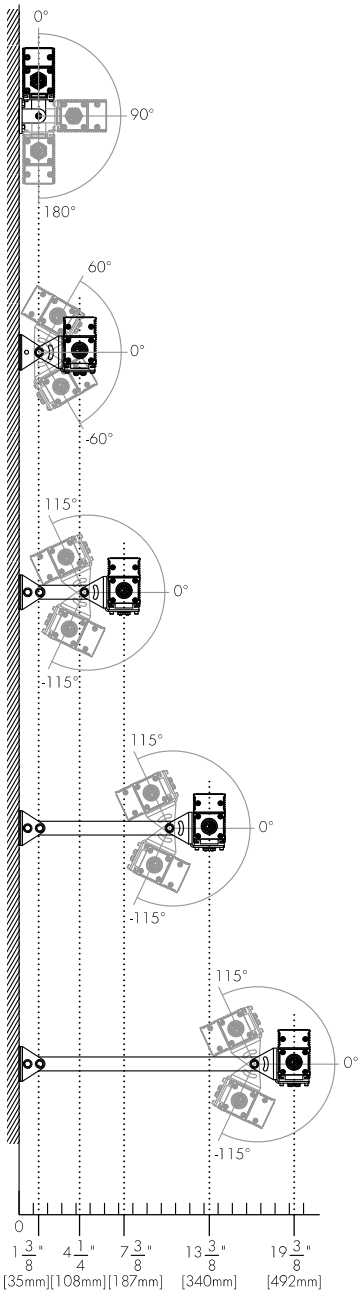
UMAS
Universal Adjustable Mounting

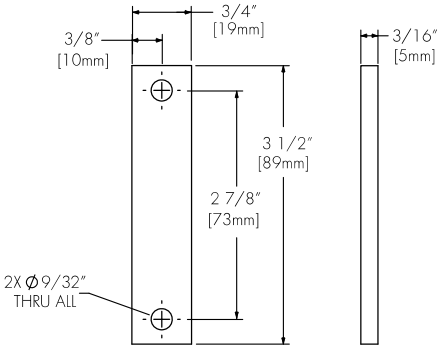
WAM2
Adjustable Wall Mounting 2"

WAM6
Adjustable Extended Arm Mounting 6"

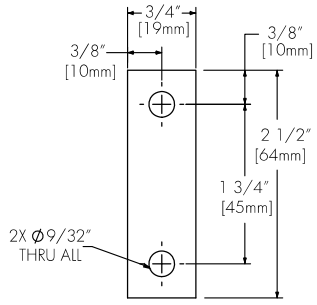
WAM12
Adjustable Extended Arm Mounting 12"

WAM18
Adjustable Extended Arm Mounting 18"

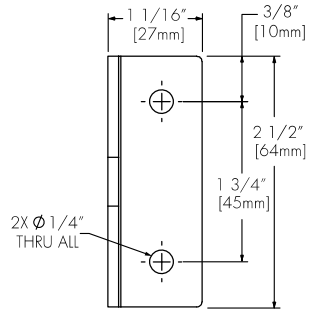




UMP
Mounting Hole Pattern



UMAS
Mounting Hole Pattern



WAM
Mounting Hole Pattern

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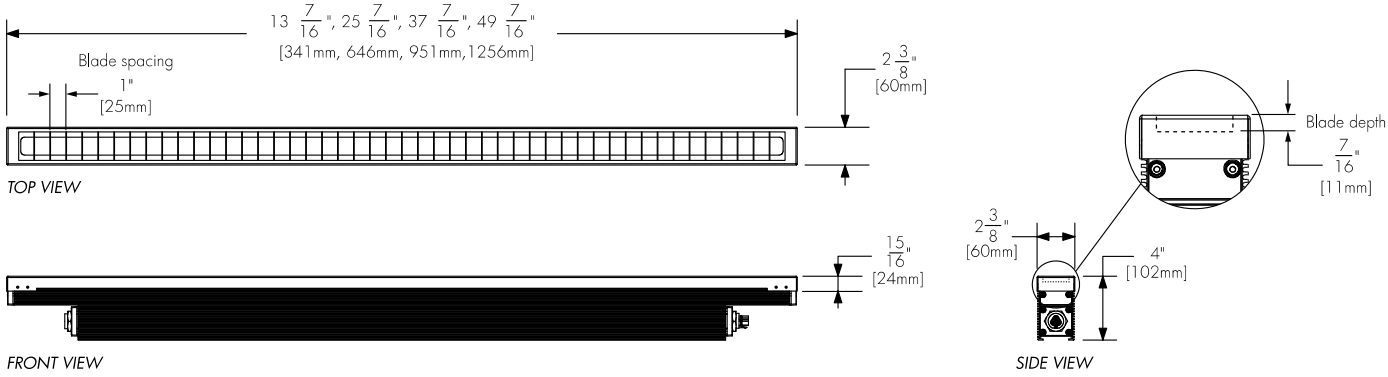
LOUVER ACCESSORY INSTALLATION DETAIL

Not suitable for asymmetric wallwash optic



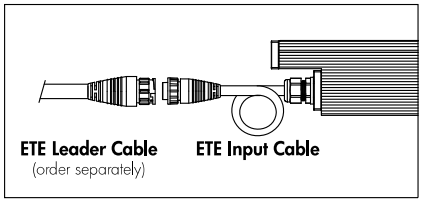
LOGRD

Radial Louver for Lumenfacade

(See page 6 for ordering code)

OPTION

ETE - End-to-end configuration, 16" black input cable, no jumper cable needed.



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ACCESSORIES
Order separately

Control Systems:

LTO2 Lumentouch is a wall mount DMX 512 controller keypad.

LCU Lumencue is a USB / mini SD DMX 512 controller.

LID LumenID is a diagnostic and addressing DMX 512 controller.
It must be specified for all DMX applications.
Refer to LID specification sheet for details.

LID-LT LumentalkID is a diagnostic and addressing controller.
It must be specified for all Lumentalk (LT) applications.
Refer to LID-LT specification sheet for details.

LTN Lumentone is a simple pre-programmed DMX 512 controller with a push button rotary dial and live feedback.

Control Boxes:

CBX DMX/RDM control box.
Up to six power and data outputs to fixtures or fixture runs.
Ethernet enabled option.
Refer to CBX specification sheet for details.

LDB Lumentalk Data Bridge, 0-10V or DMX output.
Refer to LDB specification sheet for details.

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ACCESSORIES - continued
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Leader and Jumpers Cables for Standard Construction :

LOGLC-__-STD-__-__ Leader Cable for Lumenfacade.
Please specify certification (UL or CE), cable length (10', 25', 50',100', 150' or 200' [3m, 7.6m,15.2m, 30m, 45m or 61m] standard) and cable color (BK-Black or WH-White, connectors are black as standard).
Suitable for dimming/data and non-dimming applications.
Sealing endcap is mandatory for any unused connector. (1) included with every leader cable.
Consult Lumenfacade leader cable specifiation sheet for details.

LOGJC-__-STD-__-__ Jumper Cable for Lumenfacade.
Please specify certification (UL or CE), cable length (1', 2', 3', 4', 5' or 50' [0.3m, 0.6m, 0.9m, 1.2m, 1.5m or 15m] standard) and cable color (BK-Black or WH-White, connectors are black as standard).
Lengths between 5' and 30' [1.5m and 10m] are also available, please specify desired length in 1' [0.3m] increments.
Suitable for dimming/data and non-dimming applications.
Consult Lumenfacade jumper cable specifiation sheet for details.

Leader and Jumpers Cables for End-to-End (ETE) Option :

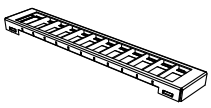
LOGLC-__-ETE__-__ Leader Cable for Lumenfacade, ETE option.
Please specify certification (UL or CE), cable length (10', 25', 50',100', 150' or 200' [3m, 7.6m,15.2m, 30m, 45m or 61m] standard) and cable color (BK-Black or WH-White, connectors and fixture input cables are black as standard).
Suitable for dimming/data and non-dimming applications.
Sealing endcap is mandatory for any unused connector. (1) included with every leader cable.
Consult Lumenfacade leader cable specifiation sheet for details.

LOGJC-__-ETE-__-__ Jumper Cable for Lumenfacade, ETE option.
Please specify certification (UL or CE), cable length (1', 2', 3', 4', 5' or 50' [0.3m, 0.6m, 0.9m, 1.2m, 1.5m or 15m] standard) and cable color (BK-Black or WH-White, connectors and fixture input cables are black as standard).
Lengths between 5' and 30' [1.5m and 10m] are also available, please specify desired length in 1' [0.3m] increments.
Suitable for dimming/data and non-dimming applications.
Consult Lumenfacade jumper cable specifiation sheet for details.

Radial Louver :

Not suitable for asymmetric wallwash optic

LOGRD___-___ Radial louver for Lumenfacade.
Louver blade depth: 7/16" [11mm]; louver blade spacing: 1" [25mm]
Please specify nominal length (1', 2', 3' or 4' [0.3m, 0.6m, 0.9m or 1.2m]) and finish (BK-Black Sandtex, BRZ-Bronze Sandtex, SI-Silver Sandtex, or WH-Smooth white. Custom color available on request, please specify as CC together with RAL color : _____).



The addition of a louver will affect beam distribution, consult factory for application support.

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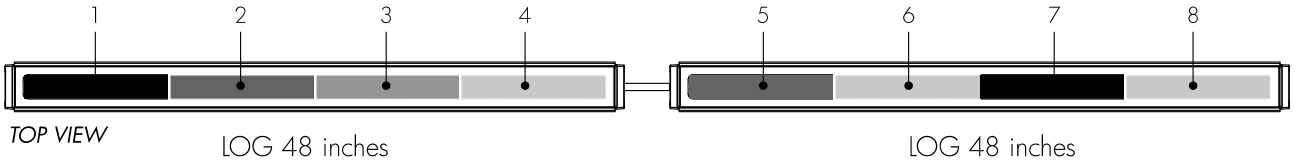
RESOLUTION DETAILS

Applicable for DMX/RDM control option only.
Fixture resolution can be configured on-site within the LumenID V3 software. A DMX/RDM enabled CBX is required.

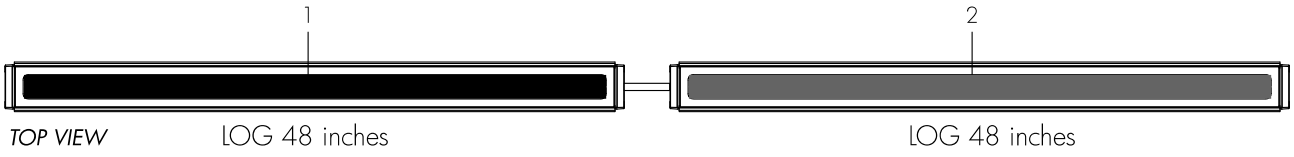
Resolution per foot: each foot is addressed independently

DMX ADDRESSES:



Resolution per fixture: each fixture is addressed independently

DMX ADDRESSES:



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TYPICAL WIRING DIAGRAMS

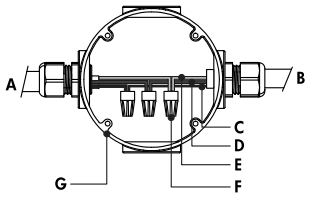
Wiring Color Code

American Color Code	*CE Color Code*	*USE*
Green	*Yellow/Green*	*Ground*
Black	*Brown*	*Live 100-277V*
White	*Blue*	*Neutral*
Red/Purple	*Black*	*0-10V / Data +*
Orange	*Grey*	*0-10V / Data -*

Non-Dimming (NO)

A - Power input (100-277V)
B - Junction box (by others)
C - Leader cable (LOGLC)
D - Lumenfacade (LOG-NO)
E - Jumper cable (LOGJC)
F - Sealing end cap

Non-Dimming (NO) - Wiring detail



A - Power input
B - To fixture
C - Line
D - Ground
E - Neutral
F - Wire-nuts (by others)
G - Junction box (by others)

Notes:
• Consult factory for specific applications and maximum fixture count/cable length recommendations.
• ASHRAE version: 5 watts per foot [0.3m], Regular Output version: 8.5 watts per foot [0.3m], High Output version: 15.25 watts per foot [0.3m].

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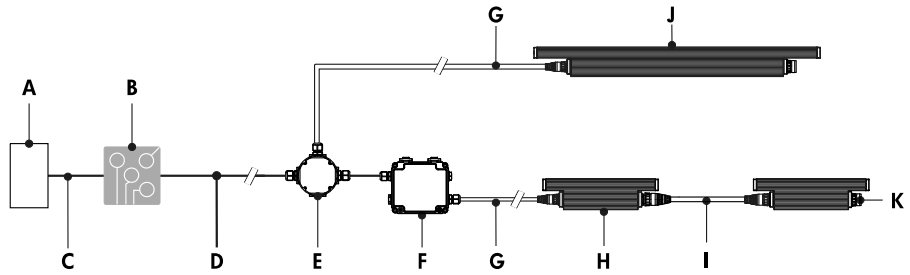
TYPICAL WIRING DIAGRAMS - continued

Wiring Color Code

American Color Code	CE Color Code	USE
Green	Yellow/Green	Ground
Black	Brown	Live 100-277V
White	Blue	Neutral
Red/Purple	Black	0-10V / Data +
Orange	Grey	0-10V / Data -

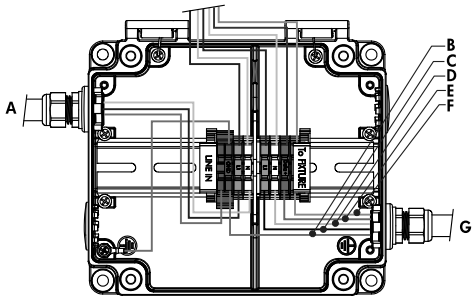
Lumentalk (LT)

1% minimum dimming value



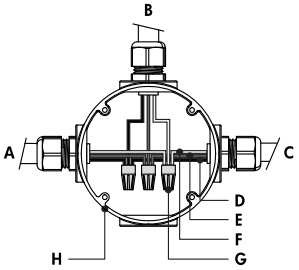
A - Third party dimmer/controller
B - Lumentranslator (LTI-010,DMX, -TRIAC, -DALI)
C - Data wiring (by others)
D - Power line (120-277V AC)
E - Junction box (by others)
F - Lumentalk Data Bridge (LDB-DIM or LDB-DMX)
G - leader cable (LOGLC)
H - Lumenfacade 1' [0.3m] (LOG-DIM or LOG -DMX/RDM)
I - Jumper cable (LOGJC)
J - Lumenfacade (LOG-LT)
(2', 3', or 4' fixture lengths) [0.6, 0.9 or 1.2m]
K - Sealing end cap

Wiring detail using LDB-DIM or LDB-DMX (for 1' fixtures [0.3 m])



A - Power input (control over power line via Lumentalk system)
B - Ground
C - Line
D - Neutral
E - 0-10V + / Data +
F - 0-10V - / Data -
G - To fixture

Lumentalk (LT) - Wiring detail (for 2, 3 or 4' fixture lengths [0.6, 0.9 or 1.2m]



A - Power input (control over power line via Lumentalk system)
B - To fixture
C - To Lumentalk Data Bridge (for run lengths with 1' fixtures [0.3m])
D - Line
E - Ground
F - Neutral
G - Wire-nuts (by others)
H - Junction box (by others)

Notes:

- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Lumentalk Data Bridge required for 1' [0.3m] fixture lengths.
  For applications with all fixtures controlled as 1 zone: fixtures and Lumentalk Data Bridge must be specified as DIM. Maximum of 10 fixtures per LDB-DIM, consult factory for applications that require additional capabilities.For application with fixtures controlled individually: fixtures and Lumentalk Data Bridge must be specified as DMX, 2-step commissioning process: 1 - DMX/RDM system using LumenID software and a LID, 2 - Lumentalk system using LumentalkID software and a LID-LT. Maximum of 32 fixtures per LDB-DMX. Consult factory for details.
- For DMX applications: 1 DMX controller per Lumentalk network, maximum of 48 DMX channels per Lumentalk network (minimum step transition update rate is 1 second, minimum fade time between two colors is 1 minute). Consult factory for applications that require additional capabilities.
- Maximum of 1 transmitter (Lumentranslator or Lumenlink) per system
- No third party fixtures allowed on the same circuit.
- Consult factory for DALI Lumentalk applications.
- ASHRAE version: 5 watts per foot [0.3m], Regular Output version: 8.5 watts per foot [0.3m], High Output version: 15.25 watts per foot [0.3m].

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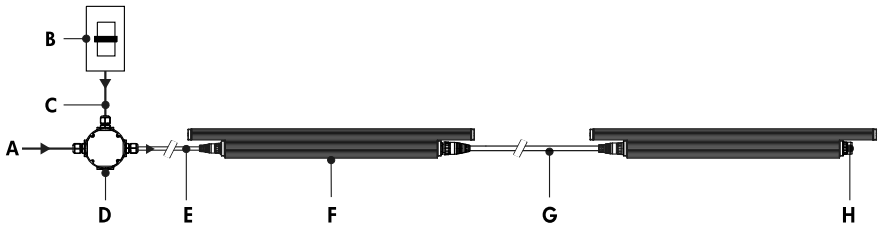
TYPICAL WIRING DIAGRAMS - continued

Wiring Color Code

American Color Code	CE Color Code	USE
Green	Yellow/Green	Ground
Black	Brown	Live 100-277V
White	Blue	Neutral
Red/Purple	Black	0-10V / Data +
Orange	Grey	0-10V / Data -

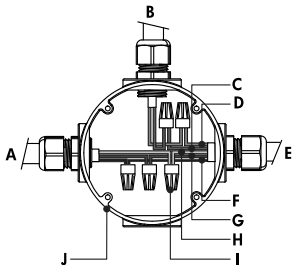
0-10V Dimming (DIM)

10% minimum dimming value



A - Power input (100-277V)
B - Third party dimmer
C - Data wiring (by others)
D - Junction box (by others)
E - Leader cable (LOGLC)
F - Lumenfacade (LOG-DIM)
G - Jumper cable (LOGJC)
H - Sealing end cap

0-10V Dimming (DIM) - Wiring detail

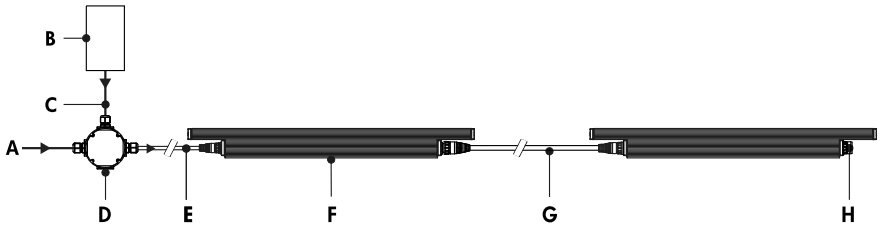


A - Power input
B - From third party dimmer
C - 0-10V +
D - 0-10V -
E - To fixture
F - Line
G - Ground
H - Neutral
I - Wire-nuts (by others)
J - Junction box (by others)

Notes:
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- 0-10V mA ratings: passive dimmer (Current Sink): 3mA per fixture, active dimmer (Current Source): 0.5mA per fixture.
- ASHRAE version: 5 watts per foot [0.3m], Regular Output version: 8.5 watts per foot [0.3m], High Output version: 15.25 watts per foot [0.3m].

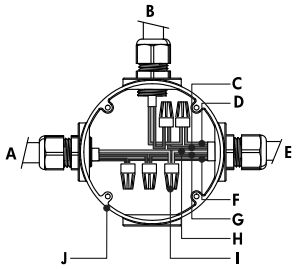
DALI Dimming (DALI)

1% dimming value



A - Power input (100-277V)
B - Third party DALI controller
C - Data wiring (by others)
D - Junction box (by others)
E - Leader cable (LOGLC)
F - Lumenfacade (LOG-DALI)
G - Jumper cable (LOGJC)
H - Sealing end cap

DALI Dimming (DALI) - Wiring detail



A - Power input
B - From DALI controller
C - Data +
D - Data -
E - To fixture
F - Line
G - Ground
H - Neutral
I - Wire-nuts (by others)
J - Junction box (by others)

Notes:
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Maximum of 64 DALI fixtures per DALI loop.
- ASHRAE version: 5 watts per foot [0.3m], Regular Output version: 8.5 watts per foot [0.3m], High Output version: 15.25 watts per foot [0.3m].

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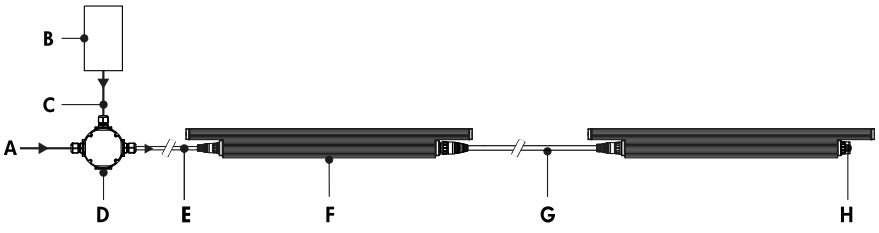
TYPICAL WIRING DIAGRAMS - continued

Wiring Color Code

American Color Code	CE Color Code	USE
Green	Yellow/Green	Ground
Black	Brown	Live 100-277V
White	Blue	Neutral
Red/Purple	Black	0-10V / Data +
Orange	Grey	0-10V / Data -

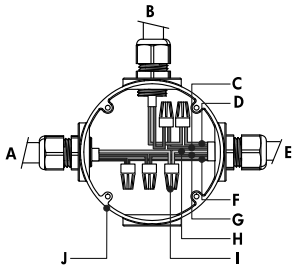
Lutron® EcoSystem® Enabled Dimming (ES)

1% minimum dimming value



A - Power input (100-277V)
B - Lutron® EcoSystem® controller
C - Data wiring (by others)
D - Junction box (by others)
E - Leader cable (LOGLC)
F - Lumenfacade (LOG-ES) (2, 3,or 4ft fixture lengths) [0.6, 0.9,1or 1.2m]
G - Jumper cable (LOGJC)
H - Sealing end cap

Lutron® EcoSystem® Enabled Dimming (ES) - Wiring detail



A - Power input
B - From Lutron® EcoSystem® controller
C - Data +
D - Data -
E - To fixture
F - Line
G - Ground
H - Neutral
I - Wire-nuts (by others)
J - Junction box (by others)

Notes:
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Each Lutron® EcoSystem® enabled fixture has its own address; for the example shown, there are a total of 2 EcoSystem® addresses.
- ASHRAE version: 5 watts per foot [0.3m], Regular Output version: 8.5 watts per foot [0.3m], High Output version: 15.25 watts per foot [0.3m].

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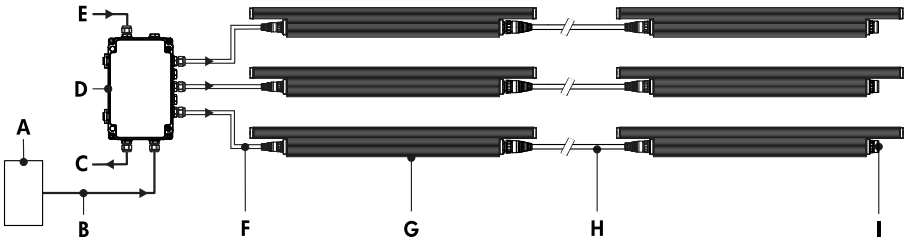
TYPICAL WIRING DIAGRAMS - continued

American Color Code	*CE Color Code*	*USE*
Green	*Yellow/Green*	*Ground*
Black	*Brown*	*Live 100-277V*
White	*Blue*	*Neutral*
Red/Purple	*Black*	*0-10V / Data +*
Orange	*Grey*	*0-10V / Data -*

Maximum run length by 15A circuit - Lumenfacade™ HO 15.25W/ft [0.3m]			
Cable length/Voltage	**120V**	**240V**	**277V**
50ft [15m] leader cable	68ft [21m]	76ft [23m]	84ft [26m]
Maximum run length by 15A circuit - Lumenfacade™ RO 8.5W/ft [0.3m]			
50ft [15m] leader cable	120ft [37m]	128ft [39m]	128ft [39m]
Maximum run length by 15A circuit - Lumenfacade™ ASHRAE 5W/ft [0.3m]			
50ft [15m] leader cable	128ft [39m]	128ft [39m]	128ft [39m]

Star Layout (DMX/RDM)

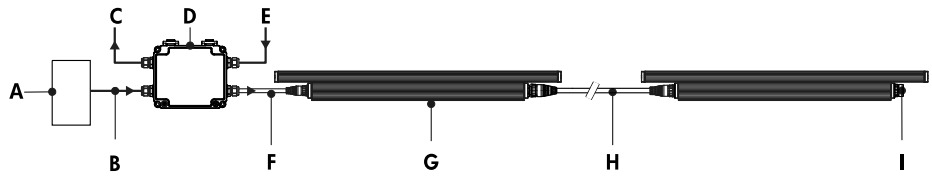
1% minimum dimming value



A - Third party DMX/RDM controller
B - Data input (Belden 9841 or equivalent, by others)
C - Data output to next CBX (optional, not isolated/not boosted)
D - CBX-ST
E - Power input (100-277V)
F - Leader cable (LOGLC)
G - Lumenfacade (LOG-DMX/RDM)
H - Jumper cable (LOGJC)
I - Sealing end cap

Daisy Chain Layout (DMX/RDM)

1% minimum dimming value



A - Third party DMX/RDM controller
B - Data input (Belden 9841 or equivalent, by others)
C - Data output to next CBX (optional, not isolated/not boosted)
D - CBX-DS
E - Power input (100-277V)
F - Leader cable (LOGLC)
G - Lumenfacade (LOG-DMX/RDM)
H - Jumper cable (LOGJC)
I - Sealing end cap

Notes:
- Consult factory for specific applications and maximum fixture count/cable length recommendations. Maximum run length calculations are typically based on 4' [1.2m] fixtures.
- Maximum of 32 DMX/RDM enabled fixtures per CBX output.
- Maximum of 4 DMX/RDM repeaters/CBX cascading in line.
- Maximum of 6 outputs per CBX-ST, maximum of 1output per CBX-DS
- Each fixture requires 1 DMX address.
- ASHRAE version: 5 watts per foot [0.3m], Regular Output version: 8.5 watts per foot [0.3m], High Output version: 15.25 watts per foot [0.3m].

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Specification Sheet

lumenfacade™

WHITE & STATIC COLORS

HOW TO ORDER

LOG	Select:		Select:	Select:		Select:		Select:	Select:
	1	2	3	4	5	6	7	8	9

1

Housing:

LOG ASHRAE - Lumenfacade™, 5W/ft ASHRAE compliant[1]
LOG RO - Lumenfacade™ Regular Output, 8.5W/ft
LOG HO - Lumenfacade™ High Output, 15.25W/ft

2

Voltage:

100 - 100 volts
120 - 120 volts
208 - 208 volts
220 - 220 volts
240 - 240 volts
277 - 277 volts

3

Length:

12 - 13 3/8 inches (340mm) (2 kg/4.5 lbs)
24 - 25 3/8 inches (645mm) (3.17 kg/7 lbs)
36 - 37 3/8 inches (949mm) (4.75 kg/10.5 lbs)
48 - 49 3/8 inches (1254mm) (6.35 kg/14 lbs)

4

Colors and Color temperatures:

22K - 2200K
27K - 2700K
30K - 3000K
35K - 3500K
40K - 4000K
RD - Red
GR - Green
BL - Blue

Consult factory for availability of static Royal Blue, 6500K and 90+ CRI.

5

Optics:

Asymmetric

WWLF - Asymmetric Wallwash optic, left feed[2]
WWRF - Asymmetric Wallwash optic, right feed[2]

Symmetric

8x8 - 8° x 8°[3]
10x10 - 10° x 10°[3]
30x30 - 30° x 30°
35x35 - 35° x 35°
60x60 - 60° x 60°
80x80 - 80° x 80°
90x90 - 90° x 90°

Bi-symmetric

10x30 - 10° x 30°
10x60 - 10° x 60°
10x90 - 10° x 90°
15x25 - 15° x 25°
30x60 - 30° x 60°
50x80 - 50° x 80°

6

Mounting Option:

SAM - Slim Adjustable Mounting
UMP - Fixed Mounting[4]
UMAS - Universal Adjustable Mounting[4]
WAM2 - Adjustable Wall Mounting 2"
WAM6 - Adjustable Extended Arm Mounting 6"
WAM12 - Adjustable Extended Arm Mounting 12"
WAM18 - Adjustable Extended Arm Mounting 18"

7

Finish:

BK - Black Sandtex
BRZ - Bronze Sandtex
SI - Silver Sandtex
WH - Smooth white
CC - Custom color and finish (please specify RAL color)[5]

8

Control:

NO - No Dimming
LT - Lumentalk Dimming[6]
DIM - 0-10V Dimming option[7]
DALI - DALI Dimming option[8]
ES - Lutron® EcoSystem® Enabled Dimming[9]
DMX/RDM - DMX/RDM enabled[10]

9

Option:

ETE - End - to - end configuration, 16" black input cable, no jumper cable needed
CRC - Corrosion-resistant coating for hostile environments
3GV - 3G ANSI C136.31 Vibration Rating[11]
CE - CE (certification covers European Economic Area)

Notes:

[1] Not available for 1' [0.3m] fixture lengths. [2] Right feeding side is standard unless otherwise specified. [3] For best results use with HO fixtures at a 6-inch (15cm) setback from surface. Contact factory for application support. [4] Suitable to use when **3GV** option is specified. [5] North American RAL colors specified with RAL number only are provided with a smooth/high-gloss finish. Please consult factory for other RAL textures and glosses, or to match alternate color charts. Final color matching results may vary. [6] Lumentalk system is enabled with LDB accessory for 1' [0.3m] fixture lengths, see Typical Wiring Diagrams pages for details. 1% minimum dimming value. [7] 10% minimum dimming value. Current Sink: 3mA/fixture, Current Source: 0.5mA/fixture. [8] 1% minimum dimming value. 1 DALI address per fixture. [9] Available for 2' RO [0.6m], 3' [0.9m] and 4' [1.2m] fixture lengths only. 1% minimum dimming value. 1 EcoSystem® address per fixture length. [10] 1% minimum dimming value. Fixtures set to by fixture resolution. 1 DMX address per fixture. [11] Available with **UMP** and **UMAS** mounting options only.

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