

FEATURES & SPECIFICATIONS

INTENDED USE — Typical applications include corridors, lobbies, conference rooms and private offices.
CONSTRUCTION — Galvanized steel mounting/plaster frame; galvanized steel junction box with bottom-hinged access covers and spring latches. Reflectors are retained by torsion springs.

Vertically adjustable mounting brackets with commercial bar hangers provide 3-3/4" total adjustment. Two combination 1/2"-3/4" and four 1/2" knockouts for straight-through conduit runs. Capacity: 8 (4 in, 4 out). No. 12 AWG conductors, rated for 90°C.

Accommodates 12"-24" joist spacing.

Passive cooling thermal management for 25°C standard; high ambient (40°C) option available. Light engine and drivers are accessible from above or below ceiling.

Max ceiling thickness 1-1/2".

OPTICS — LEDs are binned to a 3-step SDCM; 80 CRI minimum. 90 CRI optional.

LED light source concealed with diffusing optical lens.

General illumination lighting with 1.0 S/MH and 55° cutoff to source and source image.

Self-flanged anodized reflectors in specular, semi-specular, or matte diffuse finishes. Also available in white and black painted reflectors.

ELECTRICAL — Multi-volt (120-277V, 50/60Hz) 0-10V dimming drivers mounted to junction box, 10% or 1% minimum dimming level available.

0-10V dimming fixture requires two (2) additional low-voltage wires to be pulled.

70% lumen maintenance at 60,000 hours.

LISTINGS — Certified to US and Canadian safety standards. Wet location standard (covered ceiling). IP55 rated. ENERGY STAR® certified product.

BUY AMERICAN — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY — 5-year limited warranty. Complete warranty terms located at:

www.acuitybrands.com/support/warranty/terms-and-conditions

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.



A+ Capable options indicated by this color background.

Catalog Number
Notes
Type



LDN6

**6" Open and WallWash LED
Non-IC
New Construction Downlight**



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: LDN6 35/15 L06AR LSS MVOLT EZ10

LDN6					
Series	Color temperature	Lumens ¹	Aperture/Trim Color	Finish	Voltage
LDN6 6" round	27/ 2700K 30/ 3000K 35/ 3500K 40/ 4000K 50/ 5000K	05 500 lumens 07 750 lumens 10 1000 lumens 15 1500 lumens 20 2000 lumens	25 2500 lumens 30 3000 lumens 40 4000 lumens 50 5000 lumens	L06 Downlight LW6 Wallwash AR Clear WR ² White BR ² Black	LSS Semi-specular LD Matte diffuse LS Specular MVOLT Multi-volt 120 120V 277 277V 347 ³ 347V

Driver	Options
GZ10 0-10V driver dims to 10%	SF ⁴ Single fuse
GZ1 0-10V driver dims to 1%	TRW ⁵ White painted flange
D10 Minimum dimming 10% driver for use with JOT	TRBL ⁵ Black painted flange
D1 Minimum dimming 1% driver for use with JOT	EL ⁶ Emergency battery pack with integral test switch. 10W Constant Power, Not Certified in CA Title 20 MAEDBS
EZ10 0-10V eldoLED driver with smooth and flicker-free deep dimming performance down to 10%	ELR ⁶ Emergency battery pack with remote test switch. 10W Constant Power, Not Certified in CA Title 20 MAEDBS
EZ1 0-10V eldoLED driver with smooth and flicker-free deep dimming performance down to 1%	ELSD ⁶ Emergency battery pack with self-diagnostics, integral test switch. 10W Constant Power, Not Certified in CA Title 20 MAEDBS
EDAB eldoLED DALI SOLDRIIVE dim to dark	ELRSD ⁶ Emergency battery pack with self-diagnostics, remote test switch. 10W Constant Power, Not Certified in CA Title 20 MAEDBS
	E10WCP ⁶ Emergency battery pack, 10W Constant Power with integral test switch. Certified in CA Title 20 MAEDB
	E10WCPR ⁶ Emergency battery pack, 10W Constant Power with remote test switch. Certified in CA Title 20 MAEDB
	NPP16D ⁷ nLight® network power/relay pack with 0-10V dimming for non-eldoLED drivers (GZ10, GZ1).
	NPP16DER ⁷ nLight® network power/relay pack with 0-10V dimming for non-eldoLED drivers (GZ10, GZ1). ER controls fixtures on emergency circuit.
	N80 ⁸ nLight™ Lumen Compensation
	JOT ¹³ Wireless room control with "Just One Touch" pairing
	NPS80EZ ⁷ nLight® dimming pack controls 0-10V eldoLED drivers (EZ10, EZ1).
	NPS80EZER ⁷ nLight® dimming pack controls 0-10V eldoLED drivers (EZ10, EZ1). ER controls fixtures on emergency circuit.
	HAO ¹¹ High ambient option
	CP ¹² Chicago Plenum
	RRL ^{___} RELOC®-ready luminaire connectors enable a simple and consistent factory installed option across all ABL luminaire brands. Available only in RRLA, RRLB, RRLAE, and RRLC12S. Refer to RRL spec sheet on www.acuitybrands.com for the RELOC product specifications.
	NLTAIR2 ^{9,10} nLight® Air enabled
	NLTAIRER2 ^{9,10} nLight® AIR Dimming Pack Wireless Controls. Controls fixtures on emergency circuit, not available with battery pack options
	NLTAIREM2 ^{9,10} nLight® AIR Dimming Pack Wireless Controls. UL924 Emergency Operation, via power interrupt detection. Available with battery pack options.
	BAA Buy America(n) Act Compliant
	90CRI High CRI (90+)

Accessories: Order as separate catalog number.	
PS1055CP	FMC Power Sentry battery pack, T20 compliant, field installable, 10w constant power
EAC ISSM 375	Compact interruptible emergency AC power system
EAC ISSM 125	Compact interruptible emergency AC power system
GRA68 JZ	Oversized trim ring with 8" outside diameter ¹

Notes

- Overall height varies based on lumen package; refer to dimensional chart on page 3.
- Not available with finishes.
- Not available with emergency options.
- Must specify voltage 120V or 277V.
- Available with clear (AR) reflector only.
- 12.5" of plenum depth or top access required for battery pack maintenance.
- Specify voltage. ER for use with generator supply EM power. Will require an emergency hot feed and normal hot feed.
- Fixture begins at 80% light level. Must be specified with NPS80EZ or NPS80EZ ER. Only available with EZ10 and EZ1 drivers.
- Not available with CP, NPS80EZ, NPS80EZER, NPP16D, NPP16DER or N80 options.
- NLTAIR2, NLTAIRER2 and NLTAIREM2 not recommended for metal ceiling installations.
- Fixture height is 6.5" for all lumen packages with HAO.
- Must specify voltage for 3000lm and above. 5000lm with marked spacing 24 L x 24 W x 14 H. Not available with emergency battery pack option.
- Must specify D10 or D1 driver. Not available with nLight options. Not available with CP. Not recommended for metal ceiling installation. Not for use with emergency backup power systems other than battery packs.



Type DP Fixture

MRP LED

LED Area Luminaire

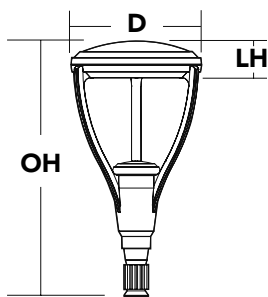


Buy American

OMERO

Specifications

EPA:	1.125 ft ² (0.105 m ²)
Luminaire Height:	6-3/8" (16.2 cm)
Overall Height:	32" (81.3 cm)
Diameter:	18" (45.7 cm)
Weight (max):	37.5 lbs (17 kg)



Catalog
Number

Notes

Type

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

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® 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: MRP LED 42C 700 40K SR5 MVOLT DDBXD

MRP LED						
Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Mounting
MRP LED	42C 42 LEDs (one engine)	350 350mA 530 530mA 700 700mA 1000 1000mA (1A)	30K 3000K 40K 4000K 50K 5000K	SR2 Type II SR3 Type III SR4 Type IV SR5 Type V	MVOLT ¹ 277 ² 120 ² 347 ² 208 ² 480 ² 240 ²	Shipped included (blank) Fits 4"OD round pole Shipped separately ³ MRPT20 2-3/8" tenon slipfitter MRPT25 2-7/8" tenon slipfitter Shipped separately ³ MRPT30 3-1/2" tenon slipfitter MRPT35 4" tenon slipfitter MRPF3 3"OD round pole adapter MRPF5 5"OD round pole adapter ⁴

Control options	Other options	Finish (required)
Shipped installed PER NEMA twist-lock receptacle only (control ordered separate) PER5 Five-wire receptacle only (control ordered separate) ⁵ PER7 Seven-wire receptacle only (control ordered separate) ⁵	PNMTDD3 Part night, dim till dawn ⁶ PNMT5D3 Part night, dim 5 hrs ⁶ PNMT6D3 Part night, dim 6 hrs ⁶ PNMT7D3 Part night, dim 7 hrs ⁶ SF Single fuse (120, 277, 347V) ² DF Double fuse (208, 240, 480V) ²	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze DBLTXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white



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MRP-LED
Rev. 03/17/21

Ordering Information

Accessories

Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ⁷
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ⁷
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ⁷
DSHORT SBK U	Shorting cap ⁷
MRPT20 DDBXD U	2-3/8" tenon slipfitter (specify finish)
MRPT25 DDBXD U	2-7/8" tenon slipfitter (specify finish)
MRPT30 DDBXD U	3-1/2" tenon slipfitter (specify finish)
MRPT35 DDBXD U	4" tenon slipfitter (specify finish)
MRPF3 DDBXD U	3" OD round pole adapter (specify finish)
MRPF5 DDBXD U	5" OD round pole adapter (specify finish) ³

For more control options, visit [DTL](#) and [ROAM](#) online.

Type DP Fixture

NOTES

- 1 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- 2 Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- 3 Also available as a separate accessory; see Accessories information at left.
- 4 Maximum pole wall thickness is 0.156".
- 5 If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls.
- 6 Dimming driver standard. Not available with 347V, 480V, SF, DF, PER5 or PER7.
- 7 Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item.

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.

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K					40K					50K				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
42C (42 LEDs)	530	75W	SR2	5,456	1	2	1	73	6,605	1	2	1	88	6,671	1	2	1	89
			SR3	5,436	1	1	1	72	6,581	1	1	2	88	6,647	1	1	2	89
			SR4	5,399	1	1	1	72	6,537	1	1	2	87	6,602	1	1	2	88
			SR5	5,748	3	1	3	77	6,959	3	1	3	83	7,029	3	1	3	94
	700	100W	SR2	6,630	1	2	1	66	8,026	2	2	2	80	8,106	2	2	2	81
			SR3	6,605	1	1	2	66	7,997	1	2	2	80	8,077	1	2	2	81
			SR4	6,561	1	1	2	66	7,943	1	2	2	79	8,022	1	2	2	80
			SR5	6,985	3	1	3	70	8,456	3	2	3	85	8,541	3	2	3	85
	1000	151W	SR2	8,165	2	2	2	54	9,885	2	2	2	65	9,983	2	2	2	66
			SR3	8,135	1	2	2	54	9,848	2	2	2	65	9,947	2	2	2	66
			SR4	8,080	2	2	2	54	9,782	2	2	2	65	9,880	2	2	2	65
			SR5	8,602	3	2	3	57	10,414	4	2	4	70	10,518	4	2	4	70

PER Table

Control	PER (3 wire)	PER5 (5 wire)		PER7 (7 wire)		
			Wire 4/Wire5		Wire 4/Wire5	Wire 6/Wire7
Photocontrol Only (On/Off)	✓	⚠	Wired to dimming leads on driver	⚠	Wired to dimming leads on driver	Wires Capped inside fixture
ROAM	✗	✓	Wired to dimming leads on driver	⚠	Wired to dimming leads on driver	Wires Capped inside fixture
ROAM with Motion (ROAM on/off only)	✗	⚠	Wired to dimming leads on driver	⚠	Wired to dimming leads on driver	Wires Capped inside fixture
Futureproof*	✗	⚠	Wired to dimming leads on driver	✓	Wired to dimming leads on driver	Wires Capped inside fixture
Futureproof* with Motion	✗	⚠	Wired to dimming leads on driver	✓	Wired to dimming leads on driver	Wires Capped inside fixture

✓ Recommended

✗ Will not work

⚠ Alternate

*Futureproof means: Ability to change controls in the future.

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	1.06
10°C	50°F	1.04
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.96

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the **MRP LED 42C 700** platform 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	1.0	0.96	0.92	0.85



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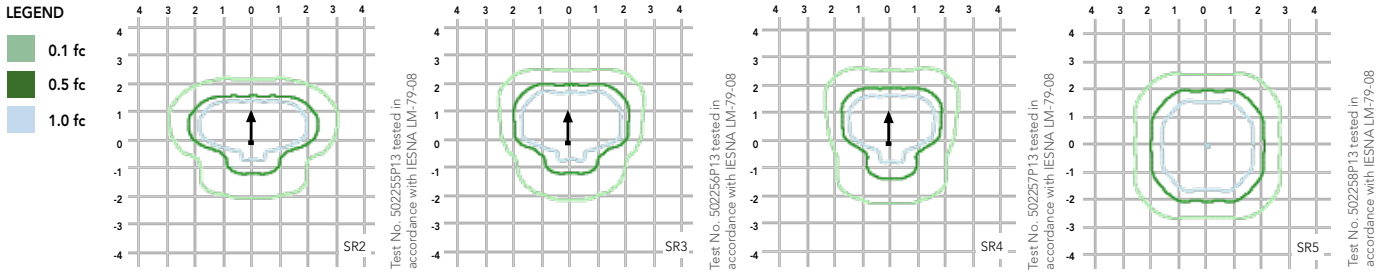
MRP-LED
Rev. 03/17/21

Type DP Fixture

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [MRP LED homepage](#).

Isofootcandle plots are considered to be representative of available optical distributions.



Part Night Controls

Part-Night controls are simple, energy-saving devices that allow luminaires dim during the late-night hours without the need of additional control circuits or wireless signals. With this luminaire-embedded device, the luminaires operate at full light output beginning at dusk (when turned on by the photocell or time clock), but then automatically reduce the light output (typically to 30%) for a period during the late-night hours when occupancy is lowest. The part-night device can keep the luminaire in energy-saving mode until dawn when the external photocell/timeclock switches off the luminaire, or it can be programmed for a shorter period, allowing early-morning occupants to enjoy full light output.

A luminaire with a factory-installed part-night device is easy to install as there no additional wires and no required commissioning.

Luminaires equipped with part-night devices require some dusk to dawn control in order to operate correctly. This on-at-dusk and off-at-dawn capability may be in the form of a branch circuit photocontrol or astrological timeclock, or it could be a local photocontrol in the luminaire itself. Without dusk to dawn controls, the part-night will become disabled and the luminaire will remain on at 100%.

Available configurations are as follows:

PNMTDD3	Dims mid-way through the night	Remains dimmed until dawn	Dimmed at 30%
PNMT5D3	Dims mid-way through the night	Remains dimmed for 5 hours	Dimmed at 30%
PNMT6D3	Dims mid-way through the night	Remains dimmed for 6 hours	Dimmed at 30%
PNMT7D3	Dims mid-way through the night	Remains dimmed for 7 hours	Dimmed at 30%

The part-night device uses an algorithm which averages the durations of the last three dusk-to-dawn periods (length of time the luminaire was powered) and divides it in half to determine the mid-point of the night. This accounts for seasonality and specific environmental elements that might affect the lighting in the specific locations. The luminaire may operate at full power for the first three nights in order to calibrate.

FEATURES & SPECIFICATIONS

INTENDED USE

Streets, walkways, parking lots and surrounding areas.

CONSTRUCTION

Single-piece die-cast aluminum housing with nominal wall thickness of .012". Die-cast top access doorframe has impact-resistant, tempered glass lens (3/16" thick). Doorframe is fully gasketed with one-piece tubular silicone.

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 and white. Available in textured and non-textured finishes.

OPTICS

Precision acrylic refractive optics for optimum light distribution through the flat glass lens. Light engines are available in standard 3000K (70 CRI) or optional 4000K (70 CRI) or 5000K (70 CRI) configurations.

ELECTRICAL

Light engine consists of 42 high-efficacy LEDs mounted to a metal-core circuit board and aluminum heat sink, ensuring optimal thermal management and long life. Class 1 electronic driver has a power factor >90%, THD <20%, and has an expected life of 100,000 hours with <1% failure rate. Easily-serviceable surge protection device meets a minimum Category C Low for operation (per ANSI/IEEE C62.41.2).

INSTALLATION

Standard post-top mounting configuration fits into a 4" OD open pole top (round pole only). Multiple options and accessories are available for other mounting needs.

LISTINGS

CSA certified to U.S. and Canadian standards. Luminaire is IP65 rated. Rated for -40°C minimum ambient. **U.S. Patent No. D556,357.**

BUY AMERICAN

This product is assembled in the USA and meets the Buy America(n) government procurement requirements under FARS, DFARS and DOT. Please refer to www.acuitybrands.com/resources/buy-american for additional information.

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.



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MRP-LED
Rev. 03/17/21



Type CL Fixture

WHITEWAY
CLED
Surface Mount Canopy



Features

Built for superior LED performance packed with features

- Stylish vertically finned die-cast heatsink
- Designed for optimal thermal transfer and easy installation
- Made from low-copper marine-grade cast aluminum
- Optical assembly designed to exceed IP66 design standards allowing for light hose-down cleaning
- Thermal frame technology provides state-of-the-art passive cooling in the most demanding environments
- 73 CRI standard

Certifications/Listings



Ordering Information

CLED	HL	7	UNV	S	5	WH	MP	
SERIES	OUTPUT	DRIVE CURRENT		MOUNTING	CCT	COLOR		OPTIONS/RETROFIT ACCESSORIES
CLED LED surface mount fixture	LW 33 Watts LL 66 Watts HL 120 Watts	7 700 mA		S Surface Mount ¹	5 5100K 4 4000K ⁴ 3 3500K ⁴	WH White DB Dark Bronze CC Custom ⁴		CLRT1 Surface mounted retrofit for Whitteway Vision, Riviera II, Thunderbird, 21" housing ³ CLRT2 Surface mounted retrofit for LSI Masters/Dakota, 23" housing ³ CLRT3 Surface mounted retrofit for Jet Philips Houstonian SHO/RHO, 22" housing ³ CLEDSJK Stem and Junction Box CLED18CP Retrofit kit for Whitteway Civic, LSI Richmond CLEDMP CLED No Top Access Plate CLEDENCP Cover plate for LSI Encore ² OCC ⁴ Occ sensor 80 ⁴ 80 CRI
				VOLTAGE		MOUNTING PLATE		
				UNV 120-277		MP Mounting Plate		

Notes:

¹ 3/4" Conduit hub for pendant mount

² 13" x 13"

³ Measure outside deminsion of existing housing

⁴ Contact factory for lead time

Ordering Example

Recessed Single Skin/Open Top Canopy

1. CLED-HL-7-UNV-S-5-WH

Surface Mount Retrofit

1. CLED-HL-7-UNV-S-5-WH
2. CLRT1

Recessed Double Skin/Enclosed Soffit

1. CLED-HL-7-UNV-S-5-WH
2. CLEDMP

Web: www.securitylighting.com

2100 Golf Road, Suite 460, Rolling Meadows, IL 60008-4704

Phone: 1-800-LIGHT IT, 1-800-544-4848, Fax: 847-279-0642

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Type CL Fixture



Specifications

Construction:

- Die cast aluminum heat sink
- Shipping weight - 19lbs

Electrical:

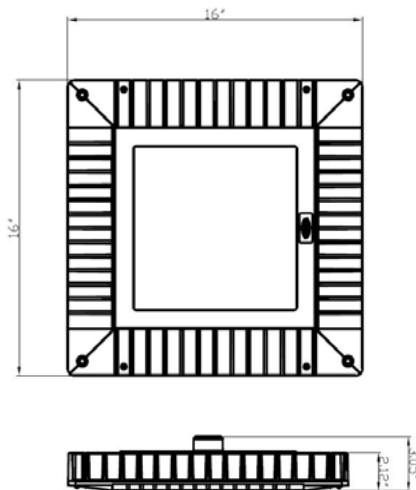
- Universal input voltage 120-277 VAC, 50/60 Hz
- Automatic thermal self-protection
- LED drivers have output power over-voltage, over-current protection and short circuit protection with auto recovery
- LED electrical assembly, including PR devices, consumes no power in the 'off' state
- Surge protection standard
- Expected life: 65,000 hours

Warranty:

- 5 year

Listings:

- UL
- DesignLights Consortium qualified



Performance Summary

Distribution	Engine	Delivered Lumens	No. of LEDs	CCT	Wattage	Lumens per watt	Replaces
Type V	LW-700	3,975	312	5100K	33	115	100-175W
	LL-700	8,713	312	5100K	66	132	175-250W
	HL-700	14,754	312	5100K	120	123	320-400W

All performance data has been acquired by physical test reports conducted to LM-79-08 standards in a controlled testing laboratory.

Web: www.securitylighting.com

2100 Golf Road, Suite 460, Rolling Meadows, IL 60008-4704

Phone: 1-800-LIGHT IT, 1-800-544-4848, Fax: 847-279-0642

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WST LED

Architectural Wall Sconce



Catalog
Number

Notes

Type

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

Type WL & WLE Fixture

Specifications

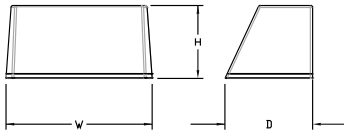
Luminaire

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)

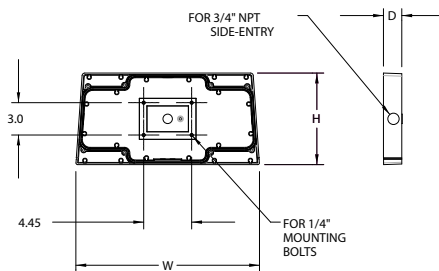


Optional Back Box (PBBW)

Height: 8.49"
(21.56 cm)

Width: 17.01"
(43.21 cm)

Depth: 1.70"
(4.32 cm)

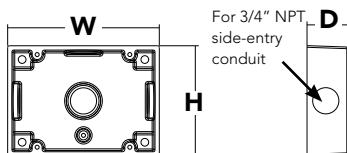


Optional Back Box (BBW)

Height: 4"
(10.2 cm)

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

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



A+ Capable Luminaire

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

See ordering tree for details.

A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: [Link to Roam](#); [Link to DTL DLL](#)



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WST-LED
Rev. 03/17/21

Type WL & WLE Fixture

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	27K 2700 K	VF Visual comfort forward throw	MVOLT ¹ 277 ²	Shipped included (blank) Surface mounting bracket Shipped separately BBW Surface-mounted back box ³ PBBW Premium surface-mounted back box ^{3,4}	
	P2 3,000 Lumen package	30K 3000 K	VW Visual comfort wide	120 ² 347 ²		
	P3 6,000 Lumen package	40K 4000 K		208 ² 480 ²		
		50K 5000 K		240 ²		

Options		Finish (required)
NLTAIR2 PIR	nLIGHT AIR Wireless enabled motion/ambient sensor for 8'-15' mounting heights ^{5,6,7}	DDBXD Dark bronze
NLTAIR2 PIRH	nLIGHT AIR Wireless enabled motion/ambient sensor for 15'-30' mounting heights ^{5,6,7}	DBLXD Black
PE	Photoelectric cell, button type ⁸	DNAXD Natural aluminum
PER	NEMA twist-lock receptacle only (controls ordered separate) ⁹	DWHXD White
PER5	Five-wire receptacle only (controls ordered separate) ⁹	DSSXD Sandstone
PER7	Seven-wire receptacle only (controls ordered separate) ⁹	DDBTXD Textured dark bronze
PIR	Motion/Ambient Light Sensor, 8'-15' mounting height ^{5,6}	DBLBXD Textured black
PIR1FC3V	Motion/ambient sensor, 8'-15' mounting height, ambient sensor enabled at 1fc ^{5,6}	DNATXD Textured natural aluminum
PIRH	180° motion/ambient light sensor, 15'-30' mounting height ^{5,6}	DWHGXD Textured white
PIRH1FC3V	Motion/ambient sensor, 15'-30' mounting height, ambient sensor enabled at 1fc ^{5,6}	DSSTXD Textured sandstone
SF	Single fuse (120, 277, 347V) ²	
DF	Double fuse (208, 240, 480V) ²	
DS	Dual switching ¹⁰	
DMG	0-10V dimming extend out back of housing for external control (control ordered separate) ¹¹	
E7WH	Emergency battery backup, Non CEC compliant (7W) ⁷	
E7WC	Emergency battery backup, CA Title 20 Noncompliant (cold, 7W) ^{7,12}	
E7WHR	Remote emergency battery backup, CA Title 20 Noncompliant (remote 7W) ^{7,13}	
E20WH	Emergency battery pack 18W constant power, Certified in CA Title 20 MAEDBS ⁷	
E20WC	Emergency battery pack -20°C 18W constant power, Certified in CA Title 20 MAEDBS ^{7,12}	
E23WHR	Remote emergency battery backup, CA Title 20 Noncompliant (remote 20W) ^{7,12,14}	
LCE	Left side conduit entry ¹⁵	
RCE	Right side conduit entry ¹⁵	
Shipped separately		
RBPW	Retrofit back plate ³	
VG	Vandal guard ¹⁵	
WG	Wire guard ¹⁵	

Accessories

Ordered and shipped separately.

WSTVCPBBW DDBXD U	Premium Surface - mounted back box
WSBBW DDBTXD U	Surface - mounted back box
RBPW DDBXD U	Retrofit back plate
DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ¹⁷
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ¹⁷
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ¹⁷

NOTES

- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Also available as a separate accessory; see accessories information.
- Top conduit entry standard.
- Not available with VG or WG. See PER Table.
- Reference Motion Sensor table.
- Not available with 347/480V.
- Need to specify 120, 208, 240 or 277 voltage.
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. Shorting Cap included.

- Not available with Emergency options, PE or PER options.
- DMG option not available with standalone or networked sensors/controls.
- Battery pack rated for -20° to 40°C.
- Comes with PBBW.
- Warranty period is 3-years.
- Not available with BBW.
- Must order with fixture; not an accessory.
- Requires luminaire to be specified with PER, PER5 or PER7 option. See PER Table.

Emergency Battery Operation

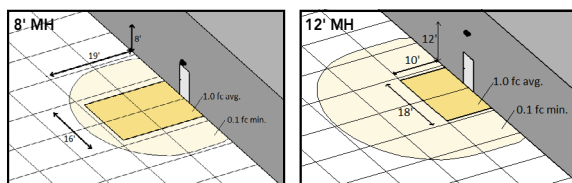
The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product.

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](#)

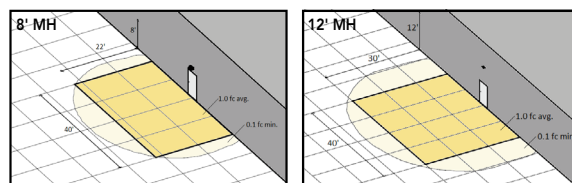
The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time supply power is lost, per [International Building Code Section 1006](#) and [NFPA 101 Life Safety Code Section 7.9](#), provided luminaires are mounted at an appropriate 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



WST LED

Architectural Wall Sconce



Catalog
Number

Notes

Type

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

Type WLE Fixture

Specifications

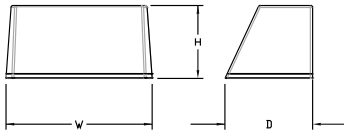
Luminaire

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)

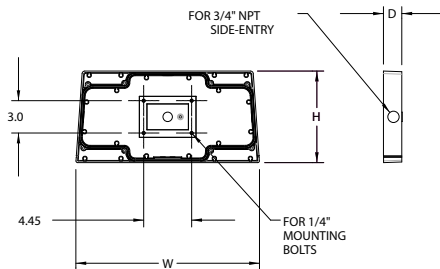


Optional Back Box (PBBW)

Height: 8.49"
(21.56 cm)

Width: 17.01"
(43.21 cm)

Depth: 1.70"
(4.32 cm)

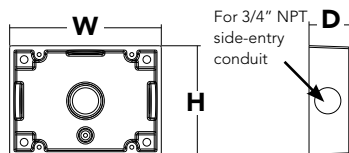


Optional Back Box (BBW)

Height: 4"
(10.2 cm)

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

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



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® 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 background¹

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

See ordering tree for details.

A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: [Link to Roam](#); [Link to DTL DLL](#)



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WST-LED
Rev. 03/17/21

Type WLE Fixture

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 ¹ 120 ² 208 ² 240 ²	277 ² 347 ² 480 ²	Shipped included (blank) Surface mounting bracket Shipped separately BBW Surface-mounted back box ³ PBBW Premium surface-mounted back box ^{3,4}

Options		Finish (required)
NLTAIR2 PIR nLIGHT AIR Wireless enabled motion/ambient sensor for 8'-15' mounting heights ^{5,6,7}	E7WC Emergency battery backup, CA Title 20 Noncompliant (cold, 7W) ^{7,12}	DDBXD Dark bronze
NLTAIR2 PIRH nLIGHT AIR Wireless enabled motion/ambient sensor for 15'-30' mounting heights ^{5,6,7}	E7WHR Remote emergency battery backup, CA Title 20 Noncompliant (remote 7W) ^{7,13}	DBLXD Black
PE Photoelectric cell, button type ⁸	E20WH Emergency battery pack 18W constant power, Certified in CA Title 20 MAEDBS ⁷	DNAXD Natural aluminum
PER NEMA twist-lock receptacle only (controls ordered separate) ⁹	E20WC Emergency battery pack -20°C 18W constant power, Certified in CA Title 20 MAEDBS ^{7,12}	DWHXD White
PER5 Five-wire receptacle only (controls ordered separate) ⁹	E23WHR Remote emergency battery backup, CA Title 20 Noncompliant (remote 20W) ^{7,12,14}	DSSXD Sandstone
PER7 Seven-wire receptacle only (controls ordered separate) ⁹	LCE Left side conduit entry ¹⁵	DDBTXD Textured dark bronze
PIR Motion/Ambient Light Sensor, 8'-15' mounting height ^{5,6}	RCE Right side conduit entry ¹⁵	DBLBXD Textured black
PIR1FC3V Motion/ambient sensor, 8'-15' mounting height, ambient sensor enabled at 1fc ^{5,6}	Shipped separately	DNATXD Textured natural aluminum
PIRH 180° motion/ambient light sensor, 15'-30' mounting height ^{5,6}	RBPW Retrofit back plate ³	DWHGXD Textured white
PIRH1FC3V Motion/ambient sensor, 15'-30' mounting height, ambient sensor enabled at 1fc ^{5,6}	VG Vandal guard ¹⁵	DSSTXD Textured sandstone
SF Single fuse (120, 277, 347V) ²	WG Wire guard ¹⁵	
DF Double fuse (208, 240, 480V) ²		
DS Dual switching ¹⁰		
DMG 0-10V dimming extend out back of housing for external control (control ordered separate) ¹¹		
E7WH Emergency battery backup, Non CEC compliant (7W) ⁷		

Accessories

Ordered and shipped separately.

WSTVCPBBW DDBXD U	Premium Surface - mounted back box
WSBBW DDBTXD U	Surface - mounted back box
RBPW DDBXD U	Retrofit back plate
DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ¹⁷
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ¹⁷
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ¹⁷

NOTES

- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Also available as a separate accessory; see accessories information.
- Top conduit entry standard.
- Not available with VG or WG. See PER Table.
- Reference Motion Sensor table.
- Not available with 347/480V.
- Need to specify 120, 208, 240 or 277 voltage.
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. Shorting Cap included.

- Not available with Emergency options, PE or PER options.
- DMG option not available with standalone or networked sensors/controls.
- Battery pack rated for -20° to 40°C.
- Comes with PBBW.
- Warranty period is 3-years.
- Not available with BBW.
- Must order with fixture; not an accessory.
- Requires luminaire to be specified with PER, PER5 or PER7 option. See PER Table.

Emergency Battery Operation

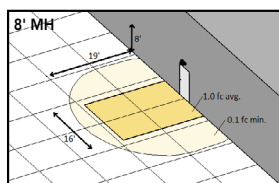
The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product.

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](#)

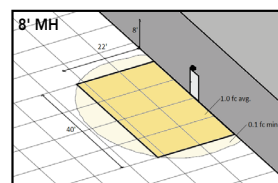
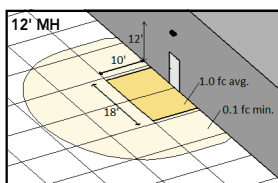
The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time supply power is lost, per [International Building Code Section 1006](#) and [NFPA 101 Life Safety Code Section 7.9](#), provided luminaires are mounted at an appropriate 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.

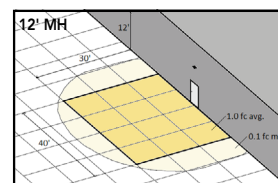
10' x 10' Gridlines
8' and 12' Mounting Height



WST LED P1 27K VF MVOLT E7WH



WST LED P2 40K VF MVOLT E20WH





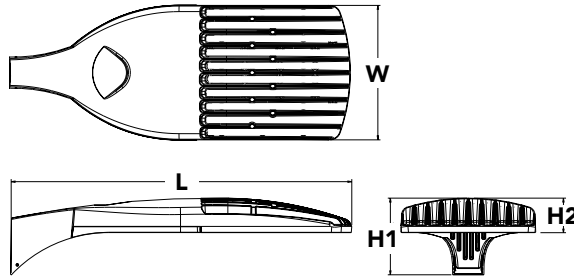
D-Series Size 1 LED Area Luminaire



d#series

Specifications

EPA:	1.01 ft ² (0.09 m ²)
Length:	33" (83.8 cm)
Width:	13" (33.0 cm)
Height H1:	7-1/2" (19.0 cm)
Height H2:	3-1/2"
Weight (max):	27 lbs (12.2 kg)



Type WM Fixture

Catalog
Number

Notes

Type

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

Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment. The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 750W metal halide in pedestrian and area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

Ordering Information

EXAMPLE: DSX1 LED P7 40K T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX1 LED						
Series	LEDs	Color temperature	Distribution	Voltage	Mounting	
DSX1 LED	Forward optics	30K 3000 K	T1S Type I short	T5VS Type V very short ³	MVOLT ⁵	Shipped included
	P1 P4 ¹ P7 ¹	40K 4000 K	(Automotive)	T5S Type V short ³	XVOLT (277V-480V) ^{6,7,8}	SPA Square pole mounting
	P2 P5 ¹ P8	50K 5000 K	T2S Type II short	T5M Type V medium ³	120 ⁹	RPA Round pole mounting ¹⁰
	P3 P6 ¹ P9 ¹		T2M Type II medium	T5W Type V wide ³	208 ⁹	WBA Wall bracket ³
	Rotated optics		T3S Type III short	BLC Backlight control ⁴	240 ⁹	SPUMBA Square pole universal mounting adaptor ¹¹
	P10 ² P12 ²		T3M Type III medium	LCCO Left corner cutoff ⁴	277 ⁹	RPUMBA Round pole universal mounting adaptor ⁹
	P11 ² P13 ^{1,2}		T4M Type IV medium	RCCO Right corner cutoff ⁴	347 ⁹	Shipped separately
			TFTM Forward throw medium		480 ⁹	KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) ¹²

Control options			Other options		Finish <i>(required)</i>	
Shipped installed			Shipped installed		DDBXD Dark bronze	
NLTAIR2	nLight AIR generation 2 enabled ¹³	PIR	High/low, motion/ambient sensor, 8–15’ mounting height, ambient sensor enabled at 5fc ^{20,21}	HS	House-side shield ²³	DBLXD Black
PIRHN	Network, high/low motion/ambient sensor ¹⁴	PIRHH	High/low, motion/ambient sensor, 15–30’ mounting height, ambient sensor enabled at 5fc ^{20,21}	SF	Single fuse (120, 277, 347V) ⁹	DNAXD Natural aluminum
PER	NEMA twist-lock receptacle only (controls ordered separate) ¹⁵	PIR1FC3V	High/low, motion/ambient sensor, 8–15’ mounting height, ambient sensor enabled at 1fc ^{20,21}	DF	Double fuse (208, 240, 480V) ⁹	DWHXD White
PER5	Five-pin receptacle only (controls ordered separate) ^{15,16}	PIRHH1FC3V	Bi-level, motion/ambient sensor, 15–30’ mounting height, ambient sensor enabled at 1fc ^{20,21}	L90	Left rotated optics ²	DDBTXD Textured dark bronze
PER7	Seven-pin receptacle only (controls ordered separate) ^{15,16}	FAO	Field adjustable output ^{20,21}	R90	Right rotated optics ²	DBLBXD Textured black
DMG	0–10v dimming wires pulled outside fixture (for use with an external control, ordered separately) ¹⁷			HA	50°C ambient operations ¹	DNATXD Textured natural aluminum
DS	Dual switching ^{18,19,20}			BAA	Buy America(n) Act Compliant	DWHGXD Textured white
				Shipped separately		
				BS	Bird spikes ²⁴	
				EGS	External glare shield	



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DSX1-LED

Rev. 07/19/21

Page 1 of 8

Ordering Information

Accessories

Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ²⁵
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ²⁵
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ²⁵
DSHORT SBK U	Shorting cap ²⁵
DSX1HS 30C U	House-side shield for P1, P2, P3, P4 and P5 ²³
DSX1HS 40C U	House-side shield for P6 and P7 ²³
DSX1HS 60C U	House-side shield for P8, P9, P10, P11 and P12 ²³
PUMBA DOBXD U*	Square and round pole universal mounting bracket (specify finish) ²⁵
KMA8 DOBXD U	Mast arm mounting bracket adaptor (specify finish) ¹²
DSX1EGS (FINISH) U	External glare shield

For more control options, visit [DTL](#) and [ROAM](#) online.

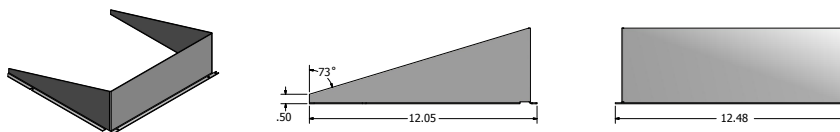
NOTES

- HA not available with P4, P5, P6, P7, P9 and P13.
- P10, P11, P12 or P13 and rotated optics (L90, R90) only available together.
- Any Type 5 distribution with photocell, is not available with WBA.
- Not available with HS.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- XVOLT only suitable for use with P3, P5, P6, P7, P9 and P13.
- XVOLT works with any voltage between 277V and 480V.
- XVOLT not available with fusing (SF or DF) and not available with PIR, PIRH, PIR1FC3V, PIRH1FC3V.
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V. XVOLT not available with fusing (SF or DF).
- Suitable for mounting to round poles between 3.5" and 12" diameter.
- Universal mounting brackets intended for retrofit on existing, pre-drilled poles only. 1.5 G vibration load rating per ANCI C136.31. Only usable when pole's drill pattern is NOT Lithonia template #8.
- Must order fixture with SPA option. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" diameter mast arm (not included).
- Must be ordered with PIRHN. Sensor cover available only in dark bronze, black, white and natural aluminum colors.
- Must be ordered with NLTAIR2. For more information on nLight Air 2 visit [this link](#).
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting cap included.
- If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Node with integral dimming.
- DMG not available with PIRHN, PER5, PER7, PIR, PIRH, PIR1FC3V or PIRH1FC3V, FAO.
- Provides 50/50 fixture operation via (2) independent drivers. Not available with PER, PER5, PER7, PIR or PIRH. Not available P1, P2, P3, P4 or P5.
- Requires (2) separately switched circuits with isolated neutral.
- Reference Controls Option Default settings table on page 4.
- Reference Motion Sensor table on page 4 to see functionality.
- Not available with other dimming controls options.
- Not available with BLC, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
- Must be ordered with fixture for factory pre-drilling.
- Requires luminaire to be specified with PER, PER5 or PER7 option. See Control Option Table on page 4.
- For retrofit use only. Only usable when pole's drill pattern is NOT Lithonia template #8.

Type WM Fixture

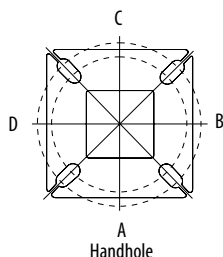
Options

EGS - External Glare Shield



Drilling

HANDHOLE ORIENTATION



Tenon Mounting Slipfitter

Tenon O.D.	Mounting	Single Unit	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
2-3/8"	RPA	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 390	AS3-5 320	AS3-5 490
2-7/8"	RPA	AST25-190	AST25-280	AST25-290	AST25-390	AST25-320	AST25-490
4"	RPA	AST35-190	AST35-280	AST35-290	AST35-390	AST35-320	AST35-490

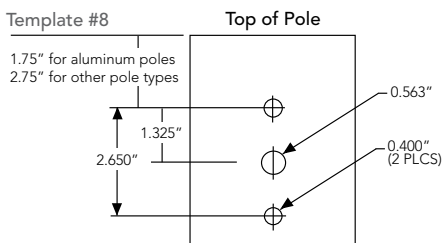
Mounting Option	Drilling Template	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS

DSX1 Area Luminaire - EPA

*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

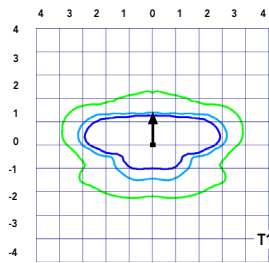
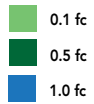
Fixture Quantity & Mounting Configuration	Single DM19	2 @ 180 DM28	2 @ 90 DM29	3 @ 90 DM39	3 @ 120 DM32	4 @ 90 DM49
Mounting Type						
DSX1 LED	1.013	2.025	1.945	3.038	2.850	3.749

	Drilling Template	Minimum Acceptable Outside Pole Dimension					
SPA	#8	2-7/8"	2-7/8"	3.5"	3.5"	3"	3.5"
RPA	#8	2-7/8"	2-7/8"	3.5"	3.5"	3"	3.5"
SPUMBA	#5	2-7/8"	3"	4"	4"	3.5"	4"
RPUMBA	#5	2-7/8"	3.5"	5"	5"	3.5"	5"

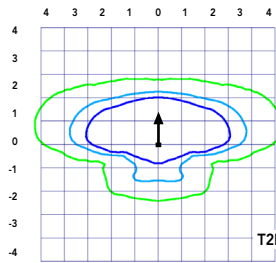


Isofootcandle plots for the DSX1 LED 60C 1000 40K. Distances are in units of mounting height (25').

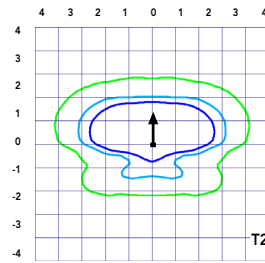
LEGEND



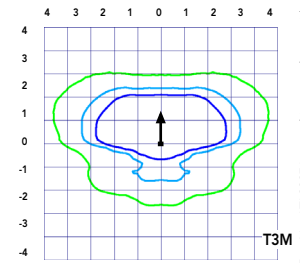
Test No. LTL23211 tested in accordance with IESNA LM-79-08.



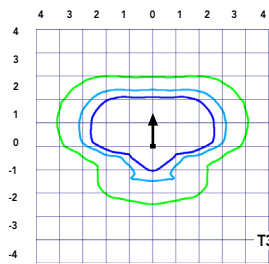
Test No. LTL23164B tested in accordance with IESNA LM-79-08.



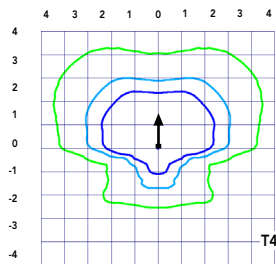
Test No. LTL23222 tested in accordance with IESNA LM-79-08.



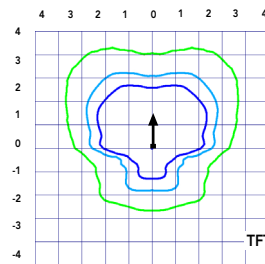
Test No. LTL23271 tested in accordance with IESNA LM-79-08.



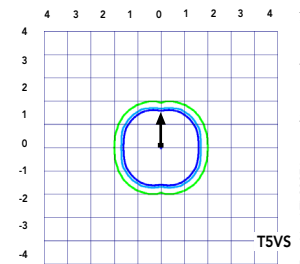
Test No. LTL23211 tested in accordance with IESNA LM-79-08.



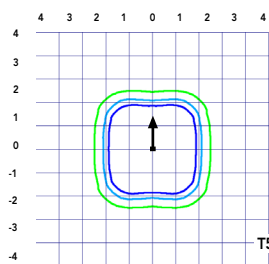
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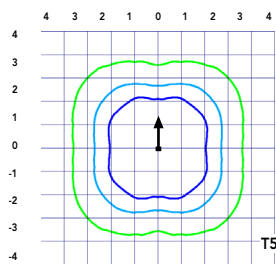
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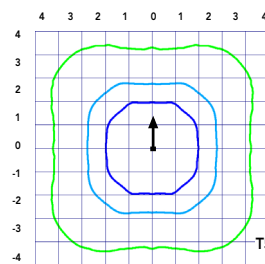
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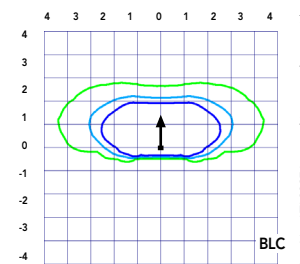
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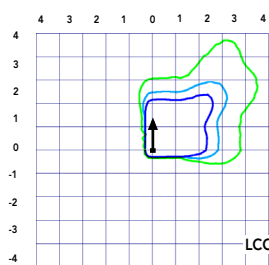
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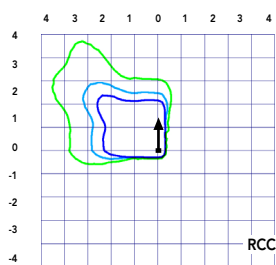
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Test No. LTL23271 tested in accordance with IESNA LM-79-08.



Test No. LTL23211 tested in accordance with IESNA LM-79-08.



Test No. LTL23164B tested in accordance with IESNA LM-79-08.

Type WM Fixture



D-Series Size 1 LED Area Luminaire



Type WM1 & WM2 Fixture

Catalog
Number

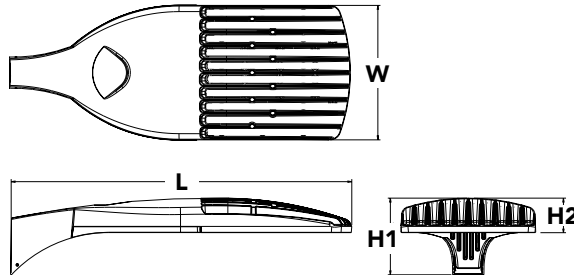
Notes

Type

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

Specifications

EPA:	1.01 ft ² (0.09 m ²)
Length:	33" (83.8 cm)
Width:	13" (33.0 cm)
Height H1:	7-1/2" (19.0 cm)
Height H2:	3-1/2"
Weight (max):	27 lbs (12.2 kg)



Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment. The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 750W metal halide in pedestrian and area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

Ordering Information

EXAMPLE: DSX1 LED P7 40K T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX1 LED					
Series	LEDs	Color temperature	Distribution	Voltage	Mounting
DSX1 LED	Forward optics P1 P4 ¹ P7 ¹ P2 P5 ¹ P8 P3 P6 ¹ P9 ¹ Rotated optics P10 ² P12 ² P11 ² P13 ^{1,2}	30K 3000 K 40K 4000 K 50K 5000 K	T1S Type I short (Automotive) 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 ³ T5S Type V short ³ T5M Type V medium ³ T5W Type V wide ³ BLC Backlight control ⁴ LCCO Left corner cutoff ⁴ RCCO Right corner cutoff ⁴	MVOLT ⁵ XVOLT (277V-480V) ^{6,7,8} 120 ⁹ 208 ⁹ 240 ⁹ 277 ⁹ 347 ⁹ 480 ⁹	Shipped included SPA Square pole mounting RPA Round pole mounting ¹⁰ WBA Wall bracket ³ SPUMBA Square pole universal mounting adaptor ¹¹ RPUMBA Round pole universal mounting adaptor ⁹ Shipped separately KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) ¹²

Control options	Other options	Finish (required)
Shipped installed NLTAIR2 nLight AIR generation 2 enabled ¹³ PIRHN Network, high/low motion/ambient sensor ¹⁴ PER NEMA twist-lock receptacle only (controls ordered separate) ¹⁵ PER5 Five-pin receptacle only (controls ordered separate) ^{15,16} PER7 Seven-pin receptacle only (controls ordered separate) ^{15,16} DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) ¹⁷ DS Dual switching ^{18,19,20}	PIR High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc ^{20,21} PIRH High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc ^{20,21} PIR1FC3V High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc ^{20,21} PIRH1FC3V Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc ^{20,21} FAO Field adjustable output ^{20,21} HS House-side shield ²³ SF Single fuse (120, 277, 347V) ⁹ DF Double fuse (208, 240, 480V) ⁹ L90 Left rotated optics ² R90 Right rotated optics ² HA 50°C ambient operations ¹ BAA Buy America(n) Act Compliant Shipped separately BS Bird spikes ²⁴ EGS External glare shield	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white



COMMERCIAL OUTDOOR

One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com
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DSX1-LED

Rev. 07/19/21

Page 1 of 8

Ordering Information

Accessories

Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ²⁵
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ²⁵
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ²⁵
DSHORT SBK U	Shorting cap ²⁵
DSX1HS 30C U	House-side shield for P1, P2, P3, P4 and P5 ²³
DSX1HS 40C U	House-side shield for P6 and P7 ²³
DSX1HS 60C U	House-side shield for P8, P9, P10, P11 and P12 ²³
PUMBA DOBXD U*	Square and round pole universal mounting bracket (specify finish) ²⁵
KMA8 DOBXD U	Mast arm mounting bracket adaptor (specify finish) ¹²
DSX1EGS (FINISH) U	External glare shield

For more control options, visit [DTL](#) and [ROAM](#) online.

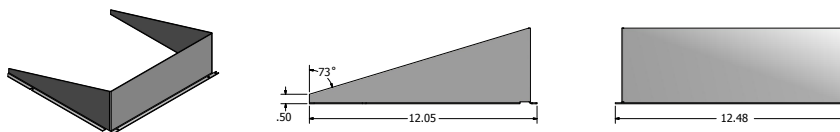
NOTES

- HA not available with P4, P5, P6, P7, P9 and P13.
- P10, P11, P12 or P13 and rotated optics (L90, R90) only available together.
- Any Type 5 distribution with photocell, is not available with WBA.
- Not available with HS.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- XVOLT only suitable for use with P3, P5, P6, P7, P9 and P13.
- XVOLT works with any voltage between 277V and 480V.
- XVOLT not available with fusing (SF or DF) and not available with PIR, PIRH, PIR1FC3V, PIRH1FC3V.
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V. XVOLT not available with fusing (SF or DF).
- Suitable for mounting to round poles between 3.5" and 12" diameter.
- Universal mounting brackets intended for retrofit on existing, pre-drilled poles only. 1.5 G vibration load rating per ANCI C136.31. Only usable when pole's drill pattern is NOT Lithonia template #8.
- Must order fixture with SPA option. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" diameter mast arm (not included).
- Must be ordered with PIRHN. Sensor cover available only in dark bronze, black, white and natural aluminum colors.
- Must be ordered with NLTAIR2. For more information on nLight Air 2 visit [this link](#).
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting cap included.
- If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Node with integral dimming.
- DMG not available with PIRHN, PER5, PER7, PIR, PIRH, PIR1FC3V or PIRH1FC3V, FAO.
- Provides 50/50 fixture operation via (2) independent drivers. Not available with PER, PER5, PER7, PIR or PIRH. Not available P1, P2, P3, P4 or P5.
- Requires (2) separately switched circuits with isolated neutral.
- Reference Controls Option Default settings table on page 4.
- Reference Motion Sensor table on page 4 to see functionality.
- Not available with other dimming controls options.
- Not available with BLC, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
- Must be ordered with fixture for factory pre-drilling.
- Requires luminaire to be specified with PER, PER5 or PER7 option. See Control Option Table on page 4.
- For retrofit use only. Only usable when pole's drill pattern is NOT Lithonia template #8.

Type WM1 & WM2 Fixture

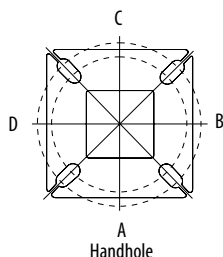
Options

EGS - External Glare Shield



Drilling

HANDHOLE ORIENTATION



Tenon Mounting Slipfitter

Tenon O.D.	Mounting	Single Unit	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
2-3/8"	RPA	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 390	AS3-5 320	AS3-5 490
2-7/8"	RPA	AST25-190	AST25-280	AST25-290	AST25-390	AST25-320	AST25-490
4"	RPA	AST35-190	AST35-280	AST35-290	AST35-390	AST35-320	AST35-490

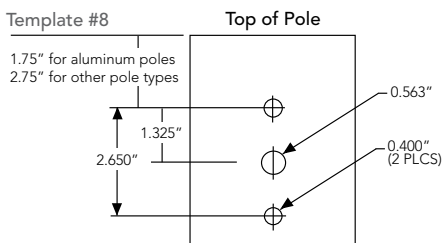
Mounting Option	Drilling Template	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS

DSX1 Area Luminaire - EPA

*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

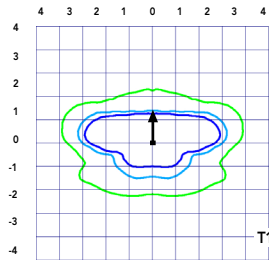
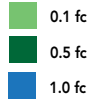
Fixture Quantity & Mounting Configuration	Single DM19	2 @ 180 DM28	2 @ 90 DM29	3 @ 90 DM39	3 @ 120 DM32	4 @ 90 DM49
Mounting Type						
DSX1 LED	1.013	2.025	1.945	3.038	2.850	3.749

	Drilling Template	Minimum Acceptable Outside Pole Dimension					
SPA	#8	2-7/8"	2-7/8"	3.5"	3.5"	3"	3.5"
RPA	#8	2-7/8"	2-7/8"	3.5"	3.5"	3"	3.5"
SPUMBA	#5	2-7/8"	3"	4"	4"	3.5"	4"
RPUMBA	#5	2-7/8"	3.5"	5"	5"	3.5"	5"

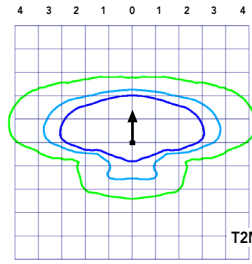


Isofootcandle plots for the DSX1 LED 60C 1000 40K. Distances are in units of mounting height (25').

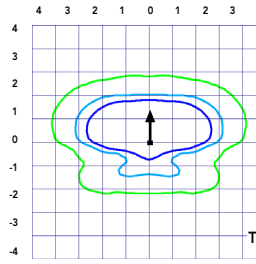
LEGEND



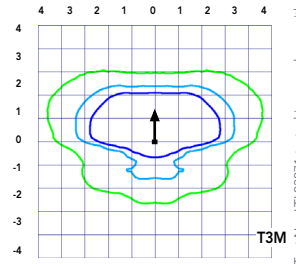
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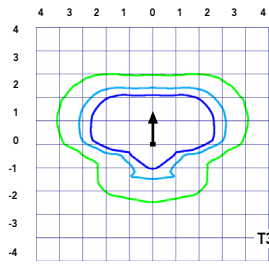
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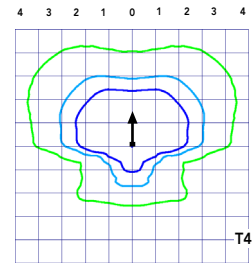
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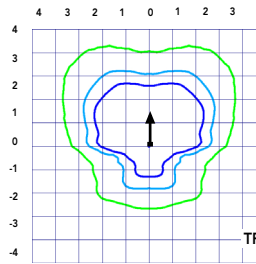
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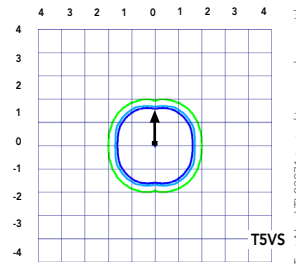
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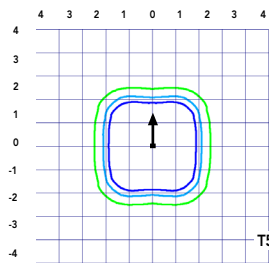
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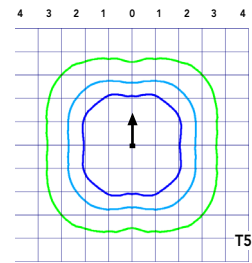
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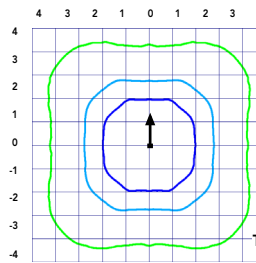
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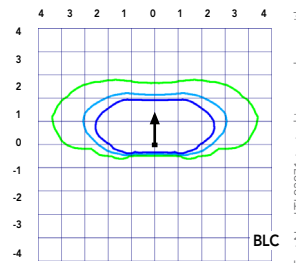
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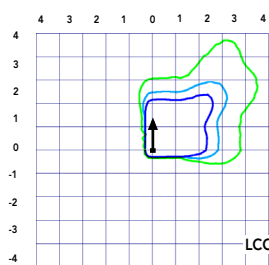
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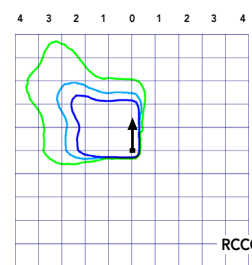
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Test No. LTL23211 tested in accordance with IESNA LM-79-08.



Test No. LTL23164B tested in accordance with IESNA LM-79-08.

Type WM1 & WM2 Fixture



M9700C In-Grade Luminaire

HIGHLIGHTS

- Factory-sealed LED lamp module and encapsulated power module
- Optical and mechanical aiming with an optional double lens
- Optimal efficiency through photometric improvements
- Color temperature: 27K - 50K
- In-line & 0-10V Dimming
- Flow-through technology

5
YEAR
warranty



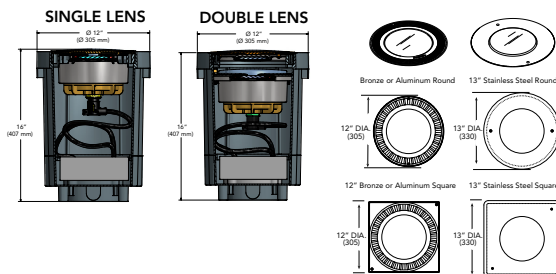
IP68



Specifications	SINGLE LENS	DOUBLE LENS
Length:	12"	12"
	305 mm	305 mm
Width:	12"	12"
	305 mm	305 mm
Height:	16"	16"
	407 mm	407 mm
Weight:	25lbs	27lbs

Weight is based on aluminum material.
For B and SS material add 2lbs.

DIMENSIONS

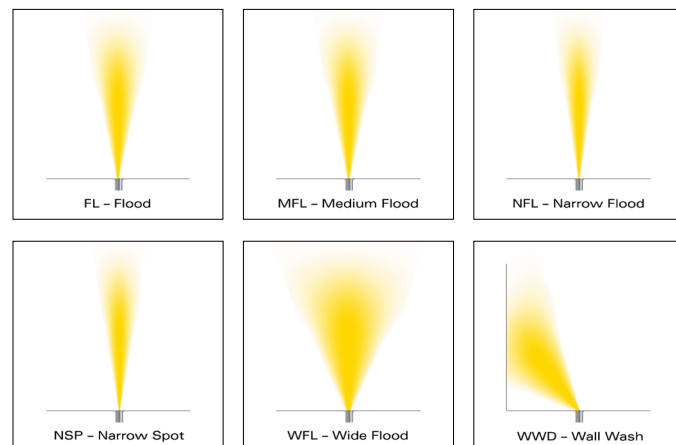


LUMEN PACKAGES

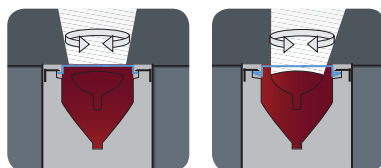
	NSP	NFL	MFL	FL	WFL	WWD
Delivered Lumens	4,205	3,786	3,537	3,576	3,320	2,871
Watts	35	35	35	35	35	35
LPW	120	110	108	101	95	82
Peak Candela	40,082	10,183	5,440	3,417	2,225	2,649

Note: Information based on 4000K @ P2 Performance Package - Single lens (M9710C and M9730C)

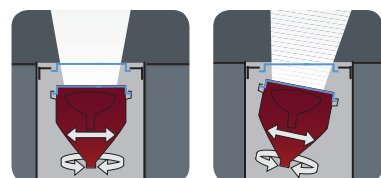
STANDARD DISTRIBUTION



AIMING DETAILS



Single lensed fixture can be aimed using
10° and 20° optical tilt lenses only.



Double lens, mechanically and optically aimed.

ORDERING INFORMATION

EXAMPLE: M9720C SS LED P3 40K MVOLT NSP FLC 34S

Model	Door Material	Source	Performance Package	LED Color	Voltage	Distribution	Lens ³
M9710C	Round Door, Single Lens	A Aluminum	LED	P1 29W	27K 2700K	MVOLT (120 - 277 volt 50/60HZ)	FLC Flat Lens Clear
M9720C	Round Door, Double Lens	B Bronze		P2 35W	30K 3000K		FLC5 Flat Lens Clear, 5° Axial Spread
M9730C	Square Door, Single Lens	SS Stainless Steel		P3 46W	35K 3500K		FLC10 Flat Lens Clear, 10° optical tilt
M9740C	Square Door, Double Lens			P4 ¹ 53W	40K 4000K		FLC20 Flat Lens Clear, 20° optical tilt
					50K 5000K		FLF Flat Lens Frosted
						WFL Wide Flood	FLCAS Flat Lens Clear, Anti-Slip
						WWD ^{1,2} Wall Wash	FLC5AS Flat Lens Clear, 5° Axial Spread, Anti-Slip

Lens (cont.)	Conduit Entries	Accessories	Options	Finish ¹¹	Listing
FLCSR ⁴ Flat Lens Clear Slip Resistant	12B 1/2" NPT Bottom	Internal ^{6,7}	LDIM 0-10V Dimming (Dims to 10%)	BL Black	IEC ⁴ International Electro-technical Commission (50HZ applications only)
FLC5SR ⁴ Flat Lens Clear, 5° Axial Spread, Slip Resistant	12S 1/2" NPT Side	IHL Internal Honeycomb Louver	IDIM ¹⁰ Inline Dimming (Dims to 40%)	BZ Bronze	
FLC10SR ⁴ Flat Lens Clear, 10° optical tilt, Slip Resistant	34B 3/4" NPT Bottom	LSF Linear Spread Filter		DDB Dark Bronze	
FLC20SR ⁴ Flat Lens Clear, 20° optical tilt, Slip Resistant	34S 3/4" NPT Side	External ^{6,8}		DNA Natural Alum.	
CLC Convex Lens, Clear	25S ⁵ Two 25mm Side	GS Glare Shield		GN Green	
CLF Convex Lens, Frosted		LC ⁸ Lexan Cover		GR Gray	
		LS Light Shield		SND Sand	
		RG ⁹ Rock Guard		STG Steel Gray	
		Trim Ring ^{6,8}		TVG Terra Verde Green	
		BTR Brass Round		WH White	
		BTS Brass Square		— Z ¹² Zinc Undercoat (i.e. BLZ)	
		STR Stainless Round			
		STS Stainless Square			

ELECTRICAL LOAD

Light Engines	Drive Current (mA)	System Watts	Current (A)			
			120	208	240	277
P1	250mA	29	0.24	0.14	0.12	0.10
P2	300mA	35	0.29	0.17	0.15	0.13
P3	400mA	46	0.38	0.22	0.19	0.17
P4	450mA	53	0.44	0.25	0.22	0.19

PROJECTED LED LUMEN MAINTENANCE

Data references the extrapolated performance projections for the Fixture platform in a 25°C ambient, based on 13,000 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.

Based on 2700K-5000K LED color

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.00	0.94	0.93	0.92

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	1.02
10°C	1.01
20°C	1.00
25°C	1.00
30°C	1.00
40°C	0.99

M9700C LED Series Assembly consists of the following individual components parts

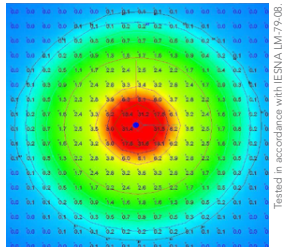
MRISC97 Rough-In Housing
MFSC97 Finishing Section
MACLC LED Module
MHSLC97 Power Module

Notes:

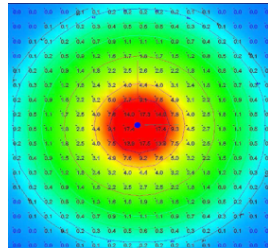
- P4 and WWD distribution are not available with double lens.
- Recommended to use the FLF or FLCSR lens with the WWD.
- Specify top lens. Bottom lens is FLC standard on M9720C and M9740C.
- Meets ADA requirements for coefficient of friction.
- Only for use in 50HZ applications.
- Accessories are mutually exclusive, choose one only.

- Not available with FLC10, FLC20, FLC10SR or FLC20SR.
- External accessory not available with SS door material.
- Not available with CLC or CLF convex lens.
- IDIM forward phase dimming not available with P3. IDIM option should be run at 120 volt.
- Finish only available on "A" door material.
- Add Zinc undercoat for harsh environments.

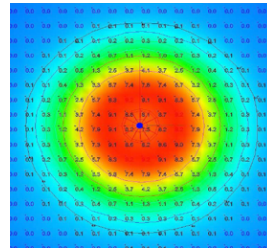
PERFORMANCE DATA



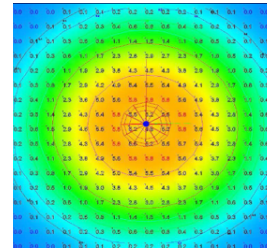
NSP 2x2



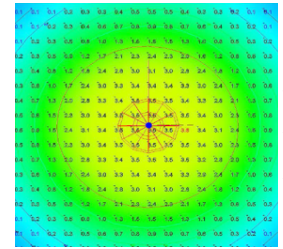
NFL 3x3



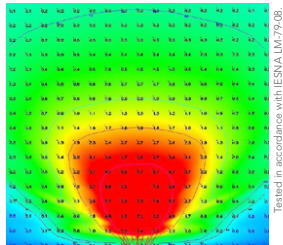
MFL 4x4



FL 5x5



WFL 6x6



WWD 6X5

To see complete photometric reports or download .ies files for this product, visit www.hydrel.com

SLIP RESISTANCE AND LOAD RATING

M9700C LED

MAXIMUM LOAD RATING

Peak compression force of 3,750 lbs. (single lens), 3,200 lbs. (double lens).

LENS STATIC COEFFICIENT OF FRICTION

M9700 Anti-Slip Lens (FLCAS): Dry = 0.76; Wet = 0.10

M9700 Slip Resistant Lens (FLSR): Dry = 0.84; Wet = 0.65

Maximum Lens Temperature

SINGLE LENS OPTION: 54°C

DOUBLE LENS OPTION: 44°C



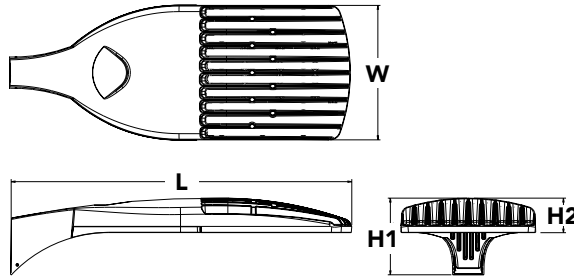
D-Series Size 1 LED Area Luminaire



d#series

Specifications

EPA:	1.01 ft ² (0.09 m ²)
Length:	33" (83.8 cm)
Width:	13" (33.0 cm)
Height H1:	7-1/2" (19.0 cm)
Height H2:	3-1/2"
Weight (max):	27 lbs (12.2 kg)



Catalog
Number

Notes

Type

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

Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment. The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 750W metal halide in pedestrian and area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

Ordering Information

EXAMPLE: DSX1 LED P7 40K T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX1 LED						
Series	LEDs	Color temperature	Distribution	Voltage	Mounting	
DSX1 LED	Forward optics	30K 3000 K	T1S Type I short	T5VS Type V very short ³	MVOLT ⁵	Shipped included
	P1 P4 ¹ P7 ¹	40K 4000 K	(Automotive)	T5S Type V short ³	XVOLT	SPA Square pole mounting
	P2 P5 ¹ P8	50K 5000 K	T2S Type II short	T5M Type V medium ³	(277V-480V) ^{6,7,8}	RPA Round pole mounting ¹⁰
	P3 P6 ¹ P9 ¹		T2M Type II medium	T5W Type V wide ³	120 ⁹	WBA Wall bracket ³
	Rotated optics		T3S Type III short	BLC Backlight control ⁴	208 ⁹	SPUMBA Square pole universal mounting adaptor ¹¹
	P10 ² P12 ²		T3M Type III medium	LCCO Left corner cutoff ⁴	240 ⁹	RPUMBA Round pole universal mounting adaptor ⁹
	P11 ² P13 ^{1,2}		T4M Type IV medium	RCCO Right corner cutoff ⁴	277 ⁹	Shipped separately
			TFTM Forward throw medium		347 ⁹	KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) ¹²
					480 ⁹	

Control options		Other options	Finish (required)
Shipped installed NLTAIR2 nLight AIR generation 2 enabled ¹³ PIRHN Network, high/low motion/ambient sensor ¹⁴ PER NEMA twist-lock receptacle only (controls ordered separate) ¹⁵ PER5 Five-pin receptacle only (controls ordered separate) ^{15,16} PER7 Seven-pin receptacle only (controls ordered separate) ^{15,16} DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) ¹⁷ DS Dual switching ^{18,19,20}	PIR High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc ^{20,21} PIRH High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc ^{20,21} PIR1FC3V High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc ^{20,21} PIRH1FC3V Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc ^{20,21} FA0 Field adjustable output ^{20,21}	Shipped installed HS House-side shield ²³ SF Single fuse (120, 277, 347V) ⁹ DF Double fuse (208, 240, 480V) ⁹ L90 Left rotated optics ² R90 Right rotated optics ² HA 50°C ambient operations ¹ BAA Buy America(n) Act Compliant Shipped separately BS Bird spikes ²⁴ EGS External glare shield	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white

Type PL1, PL2-30, PL3-30, PL-4, PL-5, PL-6 Fixture



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DSX1-LED

Rev. 07/19/21

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Ordering Information

Accessories

Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ²⁵
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ²⁵
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ²⁵
DSHORT SBK U	Shorting cap ²⁵
DSX1HS 30C U	House-side shield for P1, P2, P3, P4 and P5 ²³
DSX1HS 40C U	House-side shield for P6 and P7 ²³
DSX1HS 60C U	House-side shield for P8, P9, P10, P11 and P12 ²³
PUMBA DDBXD U*	Square and round pole universal mounting bracket (specify finish) ²⁵
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) ¹²
DSX1EGS (FINISH) U	External glare shield

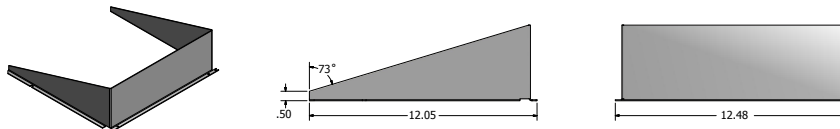
For more control options, visit [DTL](#) and [ROAM](#) online.

NOTES

- HA not available with P4, P5, P6, P7, P9 and P13.
- P10, P11, P12 or P13 and rotated optics (L90, R90) only available together.
- Any Type 5 distribution with photocell, is not available with WBA.
- Not available with HS.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- XVOLT only suitable for use with P3, P5, P6, P7, P9 and P13.
- XVOLT works with any voltage between 277V and 480V.
- XVOLT not available with fusing (SF or DF) and not available with PIR, PIRH, PIR1FC3V, PIRH1FC3V.
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V. XVOLT not available with fusing (SF or DF).
- Suitable for mounting to round poles between 3.5" and 12" diameter.
- Universal mounting brackets intended for retrofit on existing, pre-drilled poles only. 1.5 G vibration load rating per ANCI C136.31. Only usable when pole's drill pattern is NOT Lithonia template #8.
- Must order fixture with SPA option. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" diameter mast arm (not included).
- Must be ordered with PIRHN. Sensor cover available only in dark bronze, black, white and natural aluminum colors.
- Must be ordered with NLTAIR2. For more information on nLight Air 2 visit [this link](#).
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting cap included.
- If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Node with integral dimming.
- DMG not available with PIRHN, PER5, PER7, PIR, PIRH, PIR1FC3V or PIRH1FC3V, FAO.
- Provides 50/50 fixture operation via (2) independent drivers. Not available with PER, PER5, PER7, PIR or PIRH. Not available P1, P2, P3, P4 or P5.
- Requires (2) separately switched circuits with isolated neutral.
- Reference Controls Option Default settings table on page 4.
- Reference Motion Sensor table on page 4 to see functionality.
- Not available with other dimming controls options.
- Not available with BLC, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
- Must be ordered with fixture for factory pre-drilling.
- Requires luminaire to be specified with PER, PER5 or PER7 option. See Control Option Table on page 4.
- For retrofit use only. Only usable when pole's drill pattern is NOT Lithonia template #8.

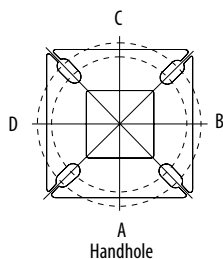
Options

EGS - External Glare Shield



Drilling

HANDHOLE ORIENTATION



Tenon Mounting Slipfitter

Tenon O.D.	Mounting	Single Unit	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
2-3/8"	RPA	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 390	AS3-5 320	AS3-5 490
2-7/8"	RPA	AST25-190	AST25-280	AST25-290	AST25-390	AST25-320	AST25-490
4"	RPA	AST35-190	AST35-280	AST35-290	AST35-390	AST35-320	AST35-490

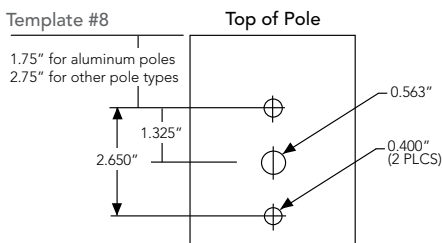
Mounting Option	Drilling Template	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS

DSX1 Area Luminaire - EPA

*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

Fixture Quantity & Mounting Configuration	Single DM19	2 @ 180 DM28	2 @ 90 DM29	3 @ 90 DM39	3 @ 120 DM32	4 @ 90 DM49
Mounting Type						
DSX1 LED	1.013	2.025	1.945	3.038	2.850	3.749

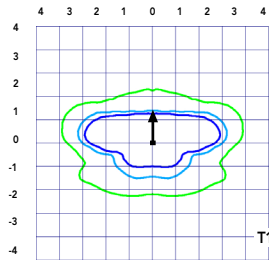
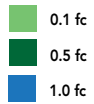
	Drilling Template	Minimum Acceptable Outside Pole Dimension					
SPA	#8	2-7/8"	2-7/8"	3.5"	3.5"	3"	3.5"
RPA	#8	2-7/8"	2-7/8"	3.5"	3.5"	3"	3.5"
SPUMBA	#5	2-7/8"	3"	4"	4"	3.5"	4"
RPUMBA	#5	2-7/8"	3.5"	5"	5"	3.5"	5"



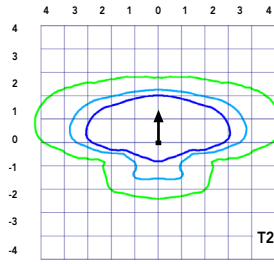
Type PL1, PL2-30, PL3-30, PL-4, PL-5, PL-6 Fixture

Isofootcandle plots for the DSX1 LED 60C 1000 40K. Distances are in units of mounting height (25').

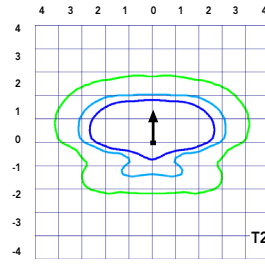
LEGEND



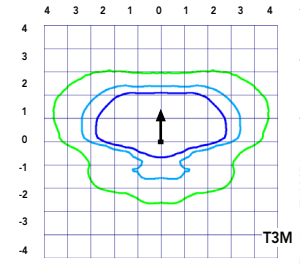
Test No. LTL23211 tested in accordance with IESNA LM-79-08.



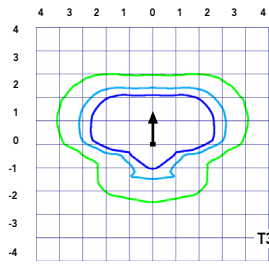
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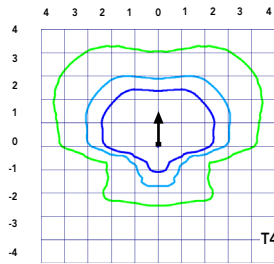
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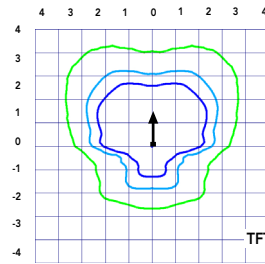
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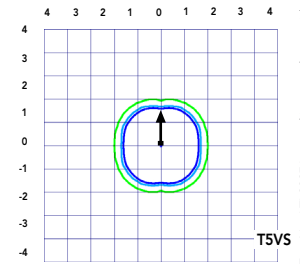
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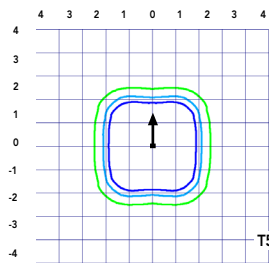
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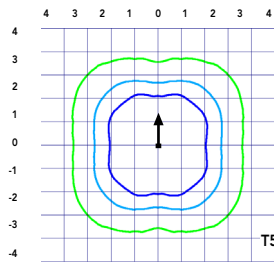
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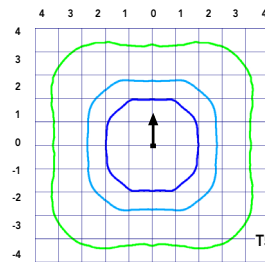
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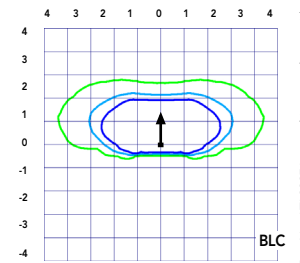
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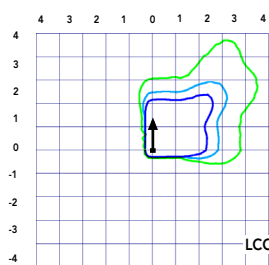
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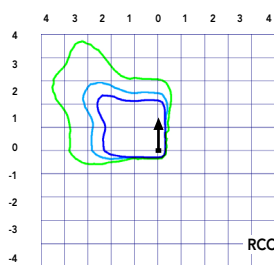
Test No. LTL23222 tested in accordance with IESNA LM-79-08.



Test No. LTL23271 tested in accordance with IESNA LM-79-08.



Test No. LTL23211 tested in accordance with IESNA LM-79-08.



Test No. LTL23164B tested in accordance with IESNA LM-79-08.

Type PL1, PL2-30, PL3-30, PL-4, PL-5, PL-6 Fixture



MRP LED LED Area Luminaire



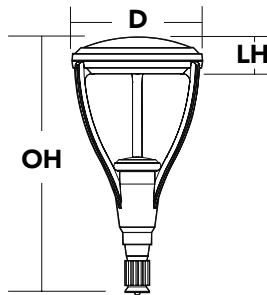
Buy American

OMERO

Type PT Fixture

Specifications

EPA:	1.125 ft ² (0.105 m ²)
Luminaire Height:	6-3/8" (16.2 cm)
Overall Height:	32" (81.3 cm)
Diameter:	18" (45.7 cm)
Weight (max):	37.5 lbs (17 kg)



Catalog
Number

Notes

Type

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

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® 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: MRP LED 42C 700 40K SR5 MVOLT DDBXD

MRP LED						
Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Mounting
MRP LED	42C 42 LEDs (one engine)	350 350mA 530 530mA 700 700mA 1000 1000mA (1A)	30K 3000K 40K 4000K 50K 5000K	SR2 Type II SR3 Type III SR4 Type IV SR5 Type V	MVOLT ¹ 277 ² 120 ² 347 ² 208 ² 480 ² 240 ²	Shipped included (blank) Fits 4"OD round pole Shipped separately ³ MRPT20 2-3/8" tenon slipfitter MRPT25 2-7/8" tenon slipfitter Shipped separately ³ MRPT30 3-1/2" tenon slipfitter MRPT35 4" tenon slipfitter MRP3 3"OD round pole adapter MRP5 5"OD round pole adapter ⁴

Control options	Other options	Finish (required)
Shipped installed PER NEMA twist-lock receptacle only (control ordered separate) PER5 Five-wire receptacle only (control ordered separate) ⁵ PER7 Seven-wire receptacle only (control ordered separate) ⁵	PNMTDD3 Part night, dim till dawn ⁶ PNMT5D3 Part night, dim 5 hrs ⁶ PNMT6D3 Part night, dim 6 hrs ⁶ PNMT7D3 Part night, dim 7 hrs ⁶ SF Single fuse (120, 277, 347V) ² DF Double fuse (208, 240, 480V) ²	DDBXD Dark bronze DDBTXD Textured dark bronze DBLXD Black DBLTXD Textured black DNAXD Natural aluminum DNATXD Textured natural aluminum DWHXD White DWHGXD Textured white



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MRP-LED
Rev. 03/17/21

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Ordering Information

Accessories

Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ⁷
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ⁷
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ⁷
DSHORT SBK U	Shorting cap ⁷
MRPT20 DDBXD U	2-3/8" tenon slipfitter (specify finish)
MRPT25 DDBXD U	2-7/8" tenon slipfitter (specify finish)
MRPT30 DDBXD U	3-1/2" tenon slipfitter (specify finish)
MRPT35 DDBXD U	4" tenon slipfitter (specify finish)
MRPF3 DDBXD U	3" OD round pole adapter (specify finish)
MRPF5 DDBXD U	5" OD round pole adapter (specify finish) ³

For more control options, visit [DTL](#) and [ROAM](#) online.

NOTES

- 1 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- 2 Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- 3 Also available as a separate accessory; see Accessories information at left.
- 4 Maximum pole wall thickness is 0.156".
- 5 If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls.
- 6 Dimming driver standard. Not available with 347V, 480V, SF, DF, PER5 or PER7.
- 7 Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item.

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.

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K					40K					50K				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
42C (42 LEDs)	530	75W	SR2	5,456	1	2	1	73	6,605	1	2	1	88	6,671	1	2	1	89
			SR3	5,436	1	1	1	72	6,581	1	1	2	88	6,647	1	1	2	89
			SR4	5,399	1	1	1	72	6,537	1	1	2	87	6,602	1	1	2	88
			SR5	5,748	3	1	3	77	6,959	3	1	3	83	7,029	3	1	3	94
	700	100W	SR2	6,630	1	2	1	66	8,026	2	2	2	80	8,106	2	2	2	81
			SR3	6,605	1	1	2	66	7,997	1	2	2	80	8,077	1	2	2	81
			SR4	6,561	1	1	2	66	7,943	1	2	2	79	8,022	1	2	2	80
			SR5	6,985	3	1	3	70	8,456	3	2	3	85	8,541	3	2	3	85
	1000	151W	SR2	8,165	2	2	2	54	9,885	2	2	2	65	9,983	2	2	2	66
			SR3	8,135	1	2	2	54	9,848	2	2	2	65	9,947	2	2	2	66
			SR4	8,080	2	2	2	54	9,782	2	2	2	65	9,880	2	2	2	65
			SR5	8,602	3	2	3	57	10,414	4	2	4	70	10,518	4	2	4	70

PER Table

Control	PER (3 wire)	PER5 (5 wire)		PER7 (7 wire)		
			Wire 4/Wire5		Wire 4/Wire5	Wire 6/Wire7
Photocontrol Only (On/Off)	✓	⚠	Wired to dimming leads on driver	⚠	Wired to dimming leads on driver	Wires Capped inside fixture
ROAM	✗	✓	Wired to dimming leads on driver	⚠	Wired to dimming leads on driver	Wires Capped inside fixture
ROAM with Motion (ROAM on/off only)	✗	⚠	Wired to dimming leads on driver	⚠	Wired to dimming leads on driver	Wires Capped inside fixture
Futureproof*	✗	⚠	Wired to dimming leads on driver	✓	Wired to dimming leads on driver	Wires Capped inside fixture
Futureproof* with Motion	✗	⚠	Wired to dimming leads on driver	✓	Wired to dimming leads on driver	Wires Capped inside fixture

✓ Recommended

✗ Will not work

⚠ Alternate

*Futureproof means: Ability to change controls in the future.

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	1.06
10°C	50°F	1.04
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.96

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the **MRP LED 42C 700** platform 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	1.0	0.96	0.92	0.85

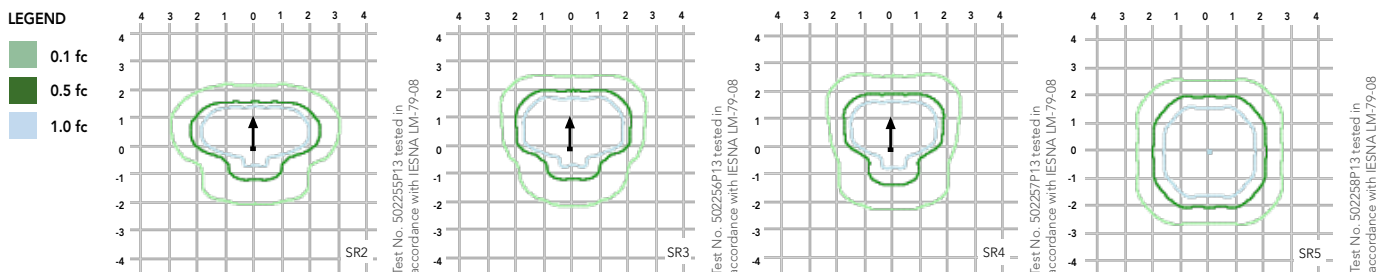


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MRP-LED
Rev. 03/17/21

Isofootcandle plots are considered to be representative of available optical distributions.



Part Night Controls

Part-Night controls are simple, energy-saving devices that allow luminaires dim during the late-night hours without the need of additional control circuits or wireless signals. With this luminaire-embedded device, the luminaires operate at full light output beginning at dusk (when turned on by the photocell or time clock), but then automatically reduce the light output (typically to 30%) for a period during the late-night hours when occupancy is lowest. The part-night device can keep the luminaire in energy-saving mode until dawn when the external photocell/timeclock switches off the luminaire, or it can be programmed for a shorter period, allowing early-morning occupants to enjoy full light output.

A luminaire with a factory-installed part-night device is easy to install as there no additional wires and no required commissioning.

Luminaires equipped with part-night devices require some dusk to dawn control in order to operate correctly. This on-at-dusk and off-at-dawn capability may be in the form of a branch circuit photocontrol or astrological timeclock, or it could be a local photocontrol in the luminaire itself. Without dusk to dawn controls, the part-night will become disabled and the luminaire will remain on at 100%.

Available configurations are as follows:

PNMTDD3	Dims mid-way through the night	Remains dimmed until dawn	Dimmed at 30%
PNMT5D3	Dims mid-way through the night	Remains dimmed for 5 hours	Dimmed at 30%
PNMT6D3	Dims mid-way through the night	Remains dimmed for 6 hours	Dimmed at 30%
PNMT7D3	Dims mid-way through the night	Remains dimmed for 7 hours	Dimmed at 30%

The part-night device uses an algorithm which averages the durations of the last three dusk-to-dawn periods (length of time the luminaire was powered) and divides it in half to determine the mid-point of the night. This accounts for seasonality and specific environmental elements that might affect the lighting in the specific locations. The luminaire may operate at full power for the first three nights in order to calibrate.

FEATURES & SPECIFICATIONS

INTENDED USE

Streets, walkways, parking lots and surrounding areas.

CONSTRUCTION

Single-piece die-cast aluminum housing with nominal wall thickness of .012". Die-cast top access doorframe has impact-resistant, tempered glass lens (3/16" thick). Doorframe is fully gasketed with one-piece tubular silicone.

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 and white. Available in textured and non-textured finishes.

OPTICS

Precision acrylic refractive optics for optimum light distribution through the flat glass lens. Light engines are available in standard 3000K (70 CRI) or optional 4000K (70 CRI) or 5000K (70 CRI) configurations.

ELECTRICAL

Light engine consists of 42 high-efficacy LEDs mounted to a metal-core circuit board and aluminum heat sink, ensuring optimal thermal management and long life. Class 1 electronic driver has a power factor >90%, THD <20%, and has an expected life of 100,000 hours with <1% failure rate. Easily-serviceable surge protection device meets a minimum Category C Low for operation (per ANSI/IEEE C62.41.2).

INSTALLATION

Standard post-top mounting configuration fits into a 4" OD open pole top (round pole only). Multiple options and accessories are available for other mounting needs.

LISTINGS

CSA certified to U.S. and Canadian standards. Luminaire is IP65 rated. Rated for -40°C minimum ambient. **U.S. Patent No. D556,357.**

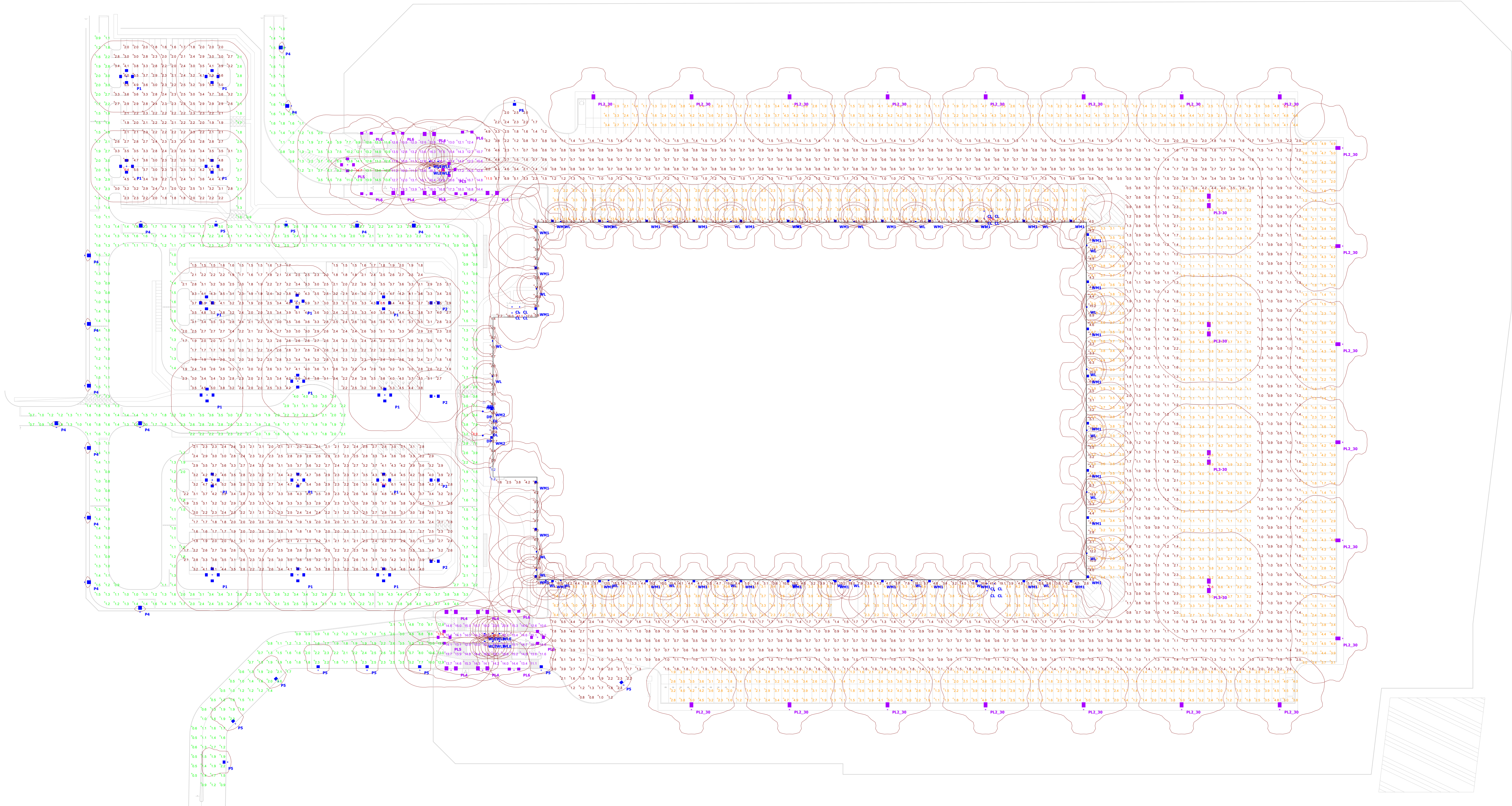
BUY AMERICAN

This product is assembled in the USA and meets the Buy America(n) government procurement requirements under FARS, DFARS and DOT. Please refer to www.acuitybrands.com/resources/buy-american for additional information.

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.



Plan View
Scale: 1" = 60'

Schedule									
Symbol	Label	QTY	Manufacturer	Catalog Number	Description	Filename	Lumens per Lamp	Wattage	Efficiency
	DL	3	Lithonia	LDN6 40/25 LD6R - 277V	RECESSED CANOPY DOWNLIGHT	LDN6_40_25_L	1927	28.25	100%
	DP	2	Lithonia	MHP LED 42C 700 40K 365 277V	POST TOP LED ON 8" POLE (POLE BASE FLUSH WITH GRADE)	MHP_LED_42C_700_40K_365_277V	8456	100	100%
	CL	12	5 LITE CO LTD	277V/1	SURFACE MOUNTED LED CANOPY LIGHT	CLED3LPLWWS	9938	66.3	100%
	WL	31	Lithonia	WST LED P3 40K 1'F 277V/1 WITH INTEGRAL PHOTOCELL	WALL LIGHT AT 12' AFF	WST_LED_P3_40K_1'F_WJVOL	6609	50	100%
	WLE	10	Lithonia	WST LED P3 40K 1'F 120V/1 WITH INTEGRAL PHOTOCELL	WALL LIGHT AT 30' AFF WITH 90 MINUTE EM BATTERY	WST_LED_P3_40K_1'F_WJVOL	6609	50	100%
	WM1	38	Lithonia	DSX1 LED P8 40K 1'FM 480/1	WALL LIGHT AT 25' AFF	DSX1_LED_P8_40K_1'FM_M	24252	207	100%
	WM2	2	Lithonia	DSX1 LED P8 40K 1'FM 480/1	WALL LIGHT AT 17'	DSX1_LED_P8_40K_1'FM_M	19037	163	100%
	FPL	3	Hydrel	M9700C LED P4 40K	IN-GRADE FLOOD LIGHT FOR FLAG POLE	M9700C_LED_P4_40K_NSP-6	5470	52.47	100%
	PL1	0	Lithonia	DSX1 LED P4 40K 1'FM 480/1 HS	POLE LIGHT - 25' (48" BASE, 21 POLE) WITH HOUSE SIDE SHIELD	DSX1_LED_P4_40K_1'FM_M	11311	125	100%
	PL2-30	21	Lithonia	DSX2 LED P8 40K 1'FM 480/1	POLE LIGHT - 30' (48" BASE, 26 POLE)	DSX2_LED_P8_40K_1'FM_M	49183	431	100%
	PL3-30	4	Lithonia	DSX2 LED P8 40K 1'FM 480/1	POLE LIGHT - 30' (48" BASE, 26 POLE)	DSX2_LED_P8_40K_1'FM_M	50729	862	100%
	PL4	8	Lithonia	DSX1 LED P8 40K 1'FM 480/1 HS	POLE LIGHT - 25' (48" BASE, 21 POLE) WITH HOUSE SIDE SHIELD	DSX1_LED_P8_40K_1'FM_M	15090	414	100%
	PL5	4	Lithonia	DSX1 LED P8 40K 1'FM 480/1	POLE LIGHT - 25' (48" BASE, 21 POLE) WITH HOUSE SIDE SHIELD	DSX1_LED_P8_40K_1'FM_M	25014	828	100%
	PL6	7	Lithonia	DSX1 LED P8 40K 1'FM 480/1 HS	POLE LIGHT - 25' (48" BASE, 21 POLE) WITH HOUSE SIDE SHIELD	DSX1_LED_P8_40K_1'FM_M	18935	414	100%
	P1	16	Lithonia	DSX1 LED P5 40K 1'FM 480/1	POLE LIGHT - 25' (30" BASE, 22.5' POLE)	DSX1_LED_P5_40K_1'FM_M	16327	352	100%
	P2	4	Lithonia	DSX1 LED P6 40K 1'FM 480/1	POLE LIGHT - 25' (30" BASE, 22.5' POLE)	DSX1_LED_P6_40K_1'FM_M	19635	326	100%
	P3	0	Lithonia	DSX1 LED P1 40K 1'FM 480/1	POLE LIGHT - 25' (30" BASE, 22.5' POLE)	DSX1_LED_P1_40K_1'FM_M	6816	54	100%
	P4	14	Lithonia	DSX1 LED P2 40K 1'FM 480/1	POLE LIGHT - 25' (30" BASE, 22.5' POLE)	DSX1_LED_P2_40K_1'FM_M	8641	70	100%
	P5	11	Lithonia	DSX1 LED P4 40K 1'FM 480/1 HS	POLE LIGHT - 25' (30" BASE, 22.5' POLE) WITH HOUSE SIDE SHIELD	DSX1_LED_P4_40K_1'FM_M	11311	125	100%

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
BUILDING PERIMETER	+	8.0%	47.1%	1.2%	39.3:1	6.7:1
DOCK DOORS-60' OUT (1.5FC)	+	4.3%	58.6%	1.6%	31.6:1	2.7:1
DRIVE (1.5FC)	+	1.9%	8.9%	0.7%	12.7:1	2.7:1
DRIVE-TO PRIMARY GH (0.5FC)	+	2.7%	13.9%	0.5%	27.8:1	5.4:1
DRIVE-TO SEC GH (0.5FC)	+	5.6%	14.7%	0.8%	18.4:1	7.0:1
GH-PRIM-70' OUT (1.0FC)	+	17.6%	46.4%	10.6%	4.4:1	1.7:1
GH-SEC-70' OUT (1.0FC)	+	15.9%	43.9%	10.3%	4.3:1	1.5:1
PARKING (1.5FC)	+	2.8%	6.5%	1.5%	4.3:1	1.9:1
PARKING (1.5FC)	+	2.9%	6.8%	1.6%	4.3:1	1.8:1
TRAILER PARKING (1FC)	+	2.6%	5.2%	1.1%	4.7:1	2.4:1
TRUCK COURT (0.5FC)	+	1.3%	11.5%	0.5%	23.0:1	2.6:1