

N. HIGLEY ROAD.

N. 54TH STREET

ZONING: L-1

ZONING: L-1

ZONING: RS-40

ZONING: RS-40

ZONING: RS-40

ZONING: RS-40

ZONING: RS-40

Schedule						
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Number Lamps
	A	29	Lithonia Lighting	LDN1 3010 LOSAR LD MVOLT G210	6IN LDN1 3000K 1000LM CLEAR MATTE DIFFUSE REFLECTOR, C980	1
	AE	9	Lithonia Lighting	LDN1 3010 LOSAR LD MVOLT G210 BL	6IN LDN1 3000K 1000LM CLEAR MATTE DIFFUSE REFLECTOR, C980 WITH INTEGRAL BATTERY PACK	1
	B	13	Lithonia Lighting	LDN1 3015 LOSAR LD MVOLT G210	6IN LDN1 3000K 1500LM CLEAR MATTE DIFFUSE REFLECTOR, C980	1
	C	12	Lithonia Lighting	DMW2 3000LM MD AFL MVOLT G210 30K 60CRI	DMW2 124 3000LM MD AFL MVOLT G21 30K 60CRI (GLED)	1
	D	55	Lithonia Lighting	VCPOX LED P5 30K T3M MVOLT SRM (P98SH)	VCPOX LED WITH P5 - PERFORMANCE PACKAGE, 3000K, T3M OPTIC TYPE	1
	DE	8	Lithonia Lighting	VCPOX LED P6 30K T3M MVOLT SRM (P98SH)	VCPOX LED WITH P6 - PERFORMANCE PACKAGE, 3000K, T3M OPTIC TYPE WITH INTEGRAL BATTERY PACK	1
	F	56	WAC Lighting	WSW1116-4Z	Wall Scones / SURFACE MOUNT AT 10' AFG	1
	SA	12	Lithonia Lighting	DSX0 LED P5 30K BLC MVOLT SPA DBX0 G1 / SSS 12.5 WITH 2.5' BASE	DSX0 LED P5 30K BLC MVOLT	1
	SB	5	Lithonia Lighting	DSX0 LED P5 30K T3M MVOLT SPA DBX0 G1 / SSS 12.5 WITH 2.5' BASE	DSX0 LED P5 30K T3M MVOLT	1
	SC	2	Lithonia Lighting	DSX0 LED P5 30K T3M MVOLT SPA DBX0 G1 / SSS 12.5 WITH 2.5' BASE	DSX0 LED P5 30K T3M MVOLT	1
	SD	6	Lithonia Lighting	DSX0 LED P5 30K T4M MVOLT SPA DBX0 G1 / SSS 12.5 WITH 2.5' BASE	DSX0 LED P5 30K T4M MVOLT	1
	SE	10	Lithonia Lighting	DSX0 LED P5 30K T5W MVOLT SPA DBX0 G1 / SSS 12.5 WITH 2.5' BASE	DSX0 LED P5 30K T5W MVOLT	1
	SF	8	Lithonia Lighting	DSX0 LED P5 30K T4M MVOLT SPA DBX0 G1 / SSS 12 WITH 3' BASE	DSX0 LED P5 30K T4M MVOLT with HOUSING 30460 / 3' BASE AT THIS LOCATION DUE TO TRUCK TRAFFIC	1
	SG	0	Lithonia Lighting	DSX0 LED P5 30K T5W MVOLT SPA DBX0 G1 / SSS 12 WITH 3' BASE	DSX0 LED P5 30K T5W MVOLT / 3' BASE AT THIS LOCATION DUE TO TRUCK TRAFFIC	1
	SH	10	SELUX Corporation	IBL-X4G-36-X6-126-DS	LED BOLLARD	1



SITE PHOTOMETRIC PLAN

SCALE:

1"=50'-0"



SITE PHOTOMETRIC PLAN

SCALE:

1"=50'-0"

NO.	REVISIONS	DATE
1		
2		
3		
4		
5		



**MOOSAVI DESIGN GROUP, INC.**  
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**HIGLEY/202 COMMERCE INDUSTRIAL**  
**3813 NORTH HIGLEY ROAD, MESA, AZ 85215**

**CONCEPTUAL SITE PHOTOMETRIC**

DRAWN BY  
**RSM**  
CHECKED BY  
**TM**  
DATE  
**10-20-2022**  
SCALE  
**AS SHOWN**  
JOB NO.  
**2212.00**  
SHEET

**A0.1**  
OF SHEETS

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Date: \_\_\_\_\_ Customer: \_\_\_\_\_

Project: \_\_\_\_\_

Type: \_\_\_\_\_ Qty: \_\_\_\_\_

**selux**

## Inula Bollard LED



Order Code: IBL - - - - -

IBL	Series	IBL Inula Bollard LED						
Height	1.5 1.5' (consult factory)	2 2' (consult factory)	2.5 2.5'	3 3'	3.5 3.5'	4 4'		
Light Engine	1Q <sup>1</sup> 7.6W/577lm	2Q90 14.1W/1156lm	2Q90MU 14.1W/854lm (max uniformity)	2Q180 14.1W/1156lm	3Q 20.5W/1689lm	4QS 27.2W/2246lm	4QD 27.2W/2246lm	*Based on 5000K CCT. <sup>1</sup> Not available with EM.
CCT	AM <sup>2</sup> Amber	27 <sup>2*</sup> 2700K	30 <sup>2</sup> 3000K	35 <sup>*</sup> 4000K	40 4000K	50 <sup>*</sup> 5000K		<sup>2</sup> IDA Approved. *Consult factory
Finish	WH White	BK Black	BL Semi-Matte Black	BZ Bronze	SV Silver	SP Specify Premium Color		
Voltage	UNV 120-277V	120 120V	208 208V	240 240V	277 240V	347 <sup>3</sup> 347V	480 <sup>3</sup> 480V	*50 or 60 Hertz. <sup>3</sup> Requires step down transformer, 60 Hertz Only.
Options	DM Dimming (0-10V)	HL30 <sup>4,9,11</sup> Hi-Lo Switching 100-30%	REC <sup>4,5,15</sup> GFCI Receptacle with weather- proof cover	REC2 <sup>4,5,15</sup> GFCI Receptacle with padlockable in-use cover	REC3 <sup>4,5,15</sup> USB & Duplex Receptacle with weather- proof cover	REC4 <sup>4,5,15</sup> USB & Duplex Receptacle with weatherproof padlockable in-use cover	EM <sup>7,8,12</sup> Emergency Battery Pack -20C	<sup>4</sup> 120V Only. <sup>5</sup> Not available in 2.5' height. <sup>6</sup> Only available with 120V,240V or 277V. <sup>7</sup> Not available with IQ. <sup>8</sup> 120V or 277V only. <sup>9</sup> Not available with DM Option. <sup>10</sup> Not available at 480V. <sup>11</sup> Not available with EM option. <sup>12</sup> Not available with PC or LP option. <sup>13</sup> Not available with HL30 or HP options. <sup>14</sup> For 1Q, 2Qxx and 3Q please consult factory. <sup>15</sup> See page 6 for details.
	PC <sup>10,11</sup> Photocell	LP <sup>11,13,14</sup> Lower Power Version Decreases Light Output by 60%	HP <sup>11</sup> High Power Version Increases Light Output by 100%					

### Product Modifications

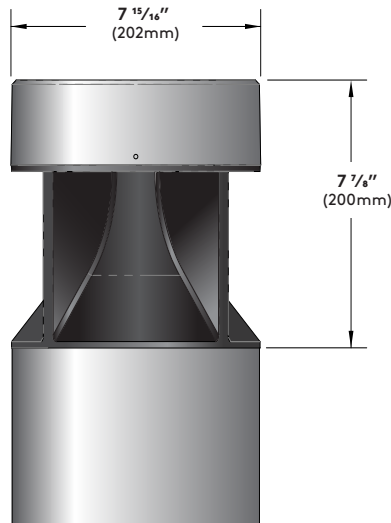
Please list modification requirements for review by factory:

### Approvals

Date:



## IBL



Net Weight (35lbs)

### Specifications

**Fixture Housing** - Die cast low-copper and low-iron aluminum fixture body provides corrosion resistance in marine environments.

**Gasketing** - (not shown) Continuous gaskets provide weather-proofing, dust, and insect control between castings.

**LED Light Engine** - (not shown) High efficiency LED light engine equipped with brand-name LEDs, available in 2700K, 3000K, 4000K, 5000K CCT tolerance within a 3-step MacAdams ellipse, and Amber CCT. Suitable for max ambient temperatures up to 45°C.

**Optics** - (not shown) Proprietary vandal and UV resistant acrylic optic provides optimal light blending between quadrants.

**Surge Protector** - (not shown) Designed to protect luminaire from electrical surge (20kA).

**Hi-Lo Switching Option** - (not shown) Controlled switching between 100% and 30% power. See wiring diagrams for additional details.

**Low Power Option** - (not shown) 60% decrease in Lumen output in same physical package.

**High Power Option** - (not shown) 100% increase in Lumen output in same physical package.

**Light Chamber** - Castings around Light Engine are painted with special Matte Black light absorbing powder coat paint. Meets International Dark-Sky Association (IDA) requirements B0, U0, and G0 BUG ratings at 2700K and 3000K CCT.

**Low-Temperature Emergency Battery Pack Option** - (not shown) Provide 90 minutes of constant-power egress lighting when external power is lost. -20°C to +55°C ambient temperature operation.

**Exterior Luminaire Finish** - Selux utilizes a high quality Polyester Powder Coating. All Selux luminaires and poles are finished in our Tiger Drylac certified facility and undergo a five stage intensive pretreatment process where product is thoroughly cleaned, phosphated and sealed. Selux powder coated products provide excellent salt and humidity resistance as well as ultraviolet resistance for color retention. All products are tested in accordance with test specifications for coatings from ASTM and PCI.

Standard exterior colors are White (WH), Black (BK), Semi-Matte Black (BL), Bronze (BZ), and Silver (SV). Selux premium colors (SP) are available, please specify from your Selux color selection guide.

### 5 Year Limited LED Luminaire Warranty -

Selux offers a 5 Year Limited Warranty to the original purchaser that the Inula Bollard LED luminaire shall be free from defects in material and workmanship for up to five (5) years from date of shipment. This limited warranty covers the LED driver and LED array when installed and operated according to Selux instructions. For details, see "Selux Terms and Condition of Sale."

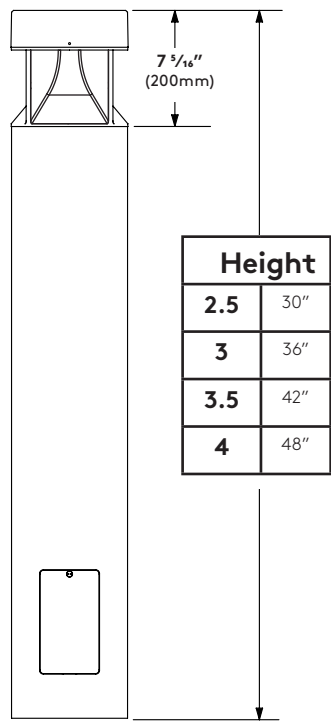
**Listings and Ratings:** Tested to NRTL Wet Location and IESNA LM-79-08 standards. LED tested to LM-80 standards.

**Luminaire tested to IK10 standard, IDA Approved and Lighting Facts Certified.**

**Luminaire and LED tested at 25°C (77°F) ambient temperature.**

**Visit [selux.us](http://selux.us) for our LED End of Life recycling policy.**

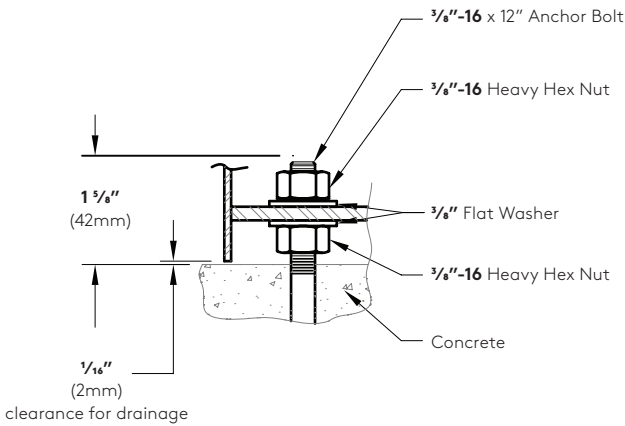
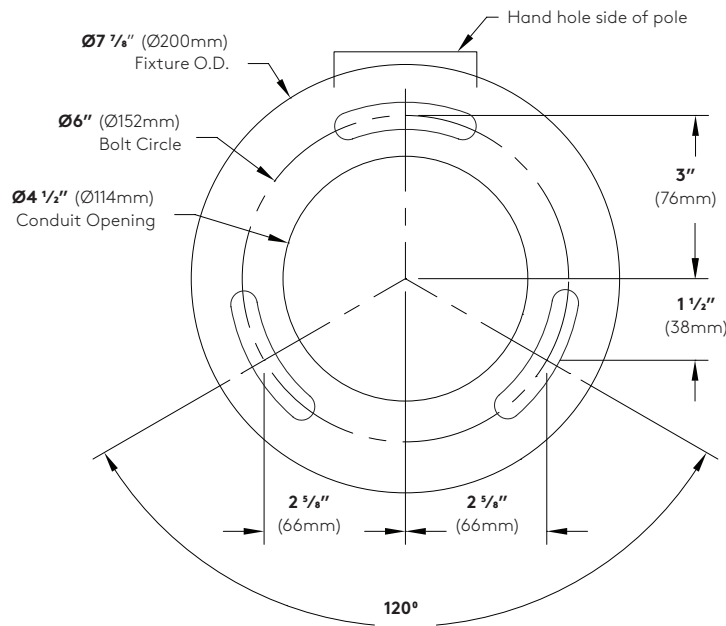
Profiles IBL-XX-4QD



Mounting Information

- Notes:
1. Bollard orientation is critical, rod and hand hole locations are critical.
  2. Locate single bolt and hand hole location.
  3. Adequate drainage must be provided in concrete foundation.
  4. Conduit should be stubbed up above the concrete footing.

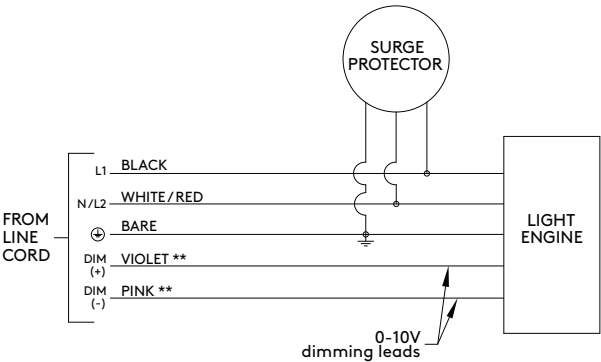
**Bolt Circle Detail (Not to Scale)**  
Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown.



Wiring Diagrams

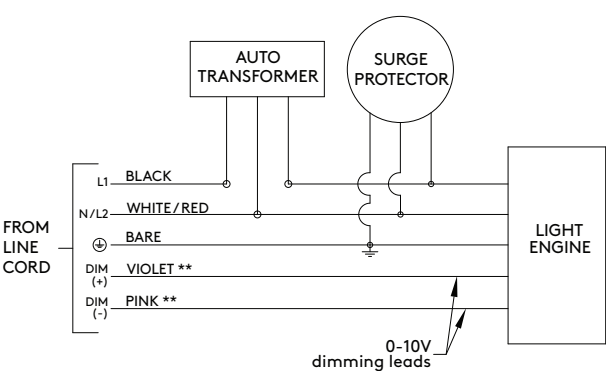
Standard Wiring (120V-277V)

\*\*When dimming is not required cap dimming wires.



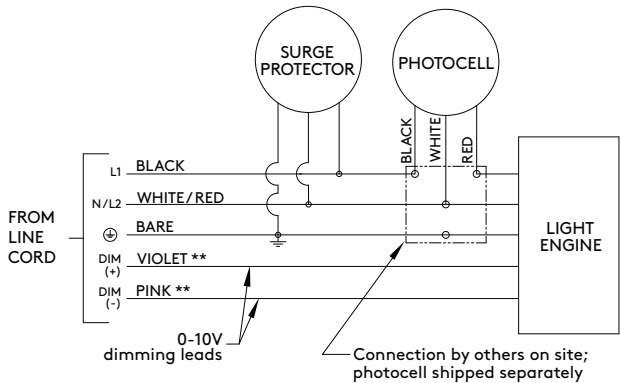
Standard Wiring (347/480V with Step-down Transformer)

\*\*When dimming is not required cap dimming wires.



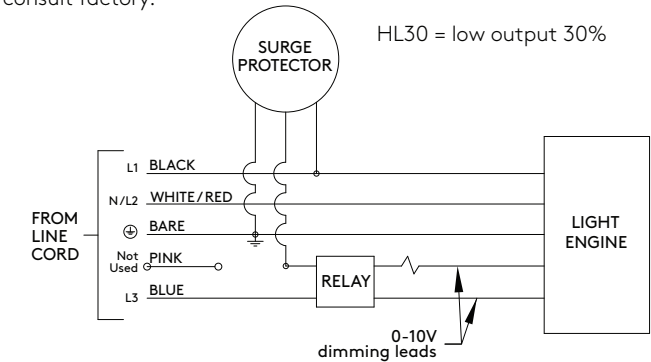
Photocell Option (PC) Wiring

\*\*When dimming is not required cap dimming wires.



Hi-Lo Switching Option (HL) Wiring HL30 Only

120V, 240V, 277V. When blue is energized, light output will be at "Lo" level. Specify low-level by using the level listed below For other combinations, consult factory.



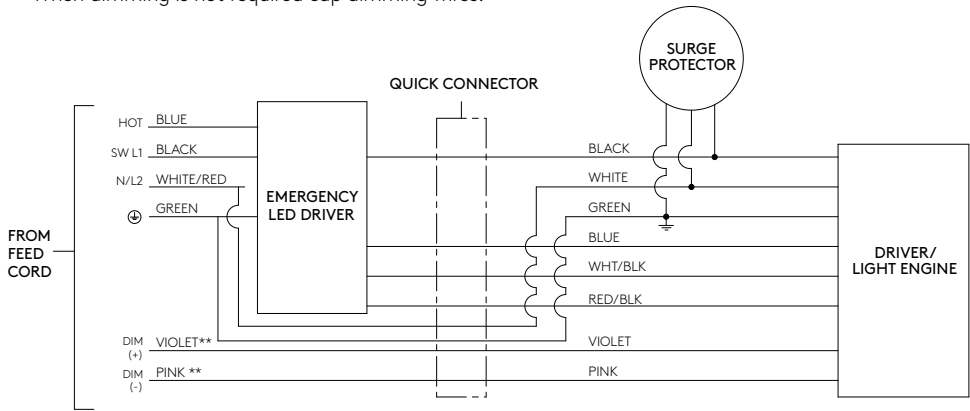
Wire Designation Table		
Source Voltage (VAC)	Wire Color	Wire Designation
120V, 277V, or 347V	Black	L1
	White	Neutral
208V, 240V, or 480V	Black	L1
	Red	L2
UNV (120V-277V)	Black	L1
	White	Neutral (120/277V) or L2 (208/240V)

Wiring Diagrams

Standard Wiring (120V-277V) with (EM) Option

100% light output at 10V, down to 1% light output at 0V.

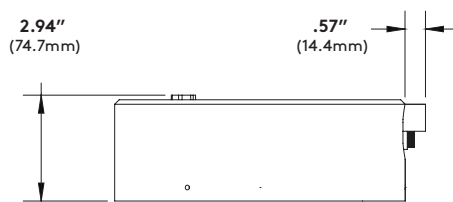
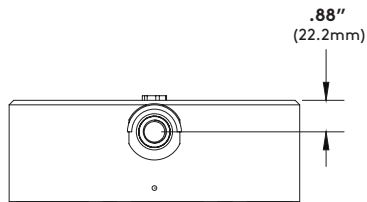
\*\* When dimming is not required cap dimming wires.



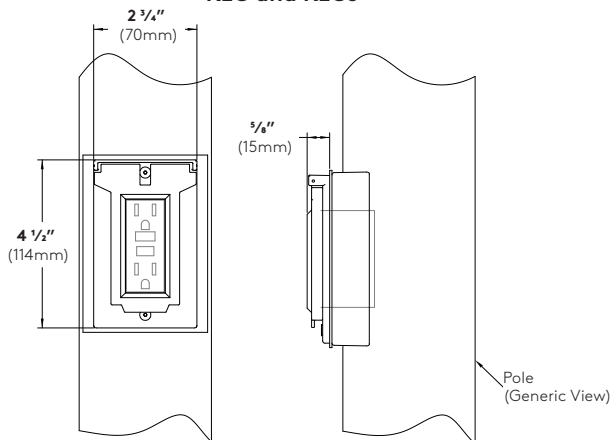
Wire Designation Table		
Source Voltage (VAC)	Wire Color	Wire Designation
120V or 277V	Black	L1 (Switched)
	White	Neutral
	Red	Hot (Unswitched)
208V or 240V	Black	L1 (Switched)
	Blue	L2
	Red	Hot (Unswitched)
UNV (120V-277V)	Black	L1 (Switched)
	White	Neutral (120/277V) or L2 (208/240V)
	Red	Hot (Unswitched)

## Optional Accessories

**Photo Cell (PC)** - Integrated in top cap for 360° of orientation adjustment in the field.



### REC and REC3



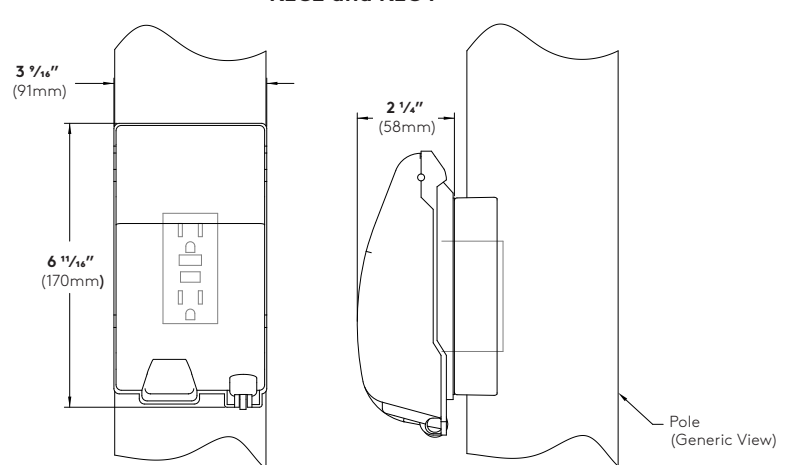
Cover shown in the closed position

**GFCI Receptacle (REC)** - 120V 15A GFCI duplex receptacle with weatherproof, self-closing cover; located 36" (915mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel (120V only).

**USB & Duplex Receptacle (REC3)** (not shown) - 120V 20A duplex receptacle with USB combination ports. (1) type A and (1) type C high power 5A, 5V USB outlets. With weatherproof, self-closing cover; located 36" (915mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel.

REC3 does not incorporate GFCI (Ground Fault Circuit Interrupter) protection, and shall be powered by a GFCI protected branch circuit (by others).

### REC2 and REC4



Cover shown in the closed position

**GFCI Receptacle (REC2)** - 120V 15A GFCI duplex receptacle with weatherproof, self-closing, padlockable in-use cover; located 36" (915mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel (120V only).

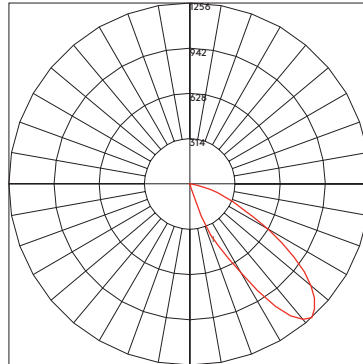
**USB & Duplex Receptacle (REC4)** (not shown) - 120V 20A duplex receptacle with USB combination ports. (1) type A and (1) type C high power 5A, 5V USB outlets. With weatherproof, self-closing padlockable in-use cover; located 36" (915mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel.

REC4 does not incorporate GFCI (Ground Fault Circuit Interrupter) protection, and shall be powered by a GFCI protected branch circuit (by others).

## Photometry

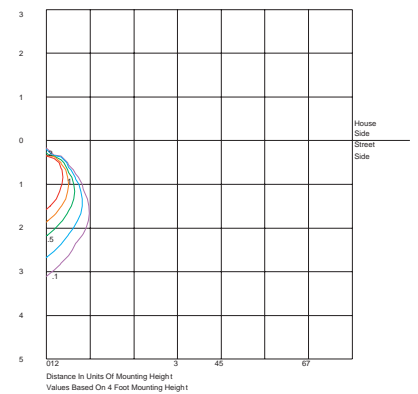
## 1Q / 8W LED / 5000K CCT

Catalog #: IBL-X-1Q-50-XX-120-DS  
 Report #: 1197031-50  
 Maximum candela of 1256 at 42.5° from vertical.  
 Mounting Height = 4' (1.22 m)  
 577 Delivered Lumens  
 75 Lumens per Watt  
 B0-U0-G0



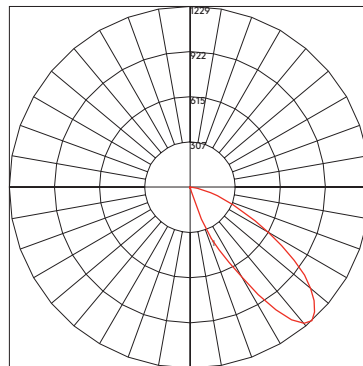
Maximum Candela = 1256.772 Located At Horizontal Angle = 315, Vertical Angle = 42.5  
 # 1 - Vertical Plane Through Horizontal Angles (315 - 135) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



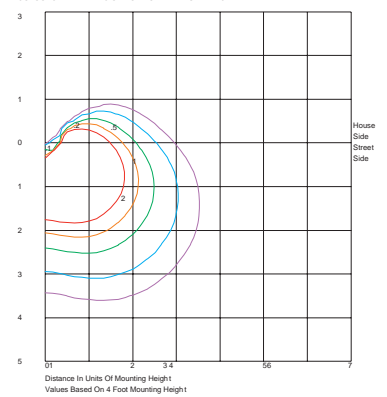
## 2Q90 / 14W LED / 5000K CCT

Catalog #: IBL-X-2Q90-50-XX-120-DS  
 Report #: 1197029-50  
 Maximum candela of 1229 at 42.5° from vertical.  
 Mounting Height = 4' (1.22 m)  
 1158 Delivered Lumens  
 82 Lumens per Watt  
 B0-U0-G0



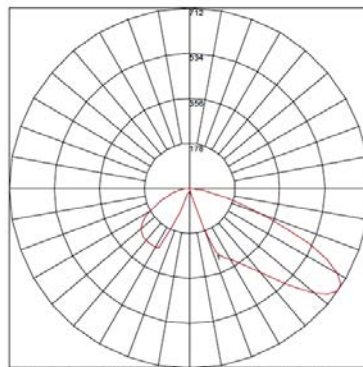
Maximum Candela = 1229.367 Located At Horizontal Angle = 45, Vertical Angle = 42.5  
 # 1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



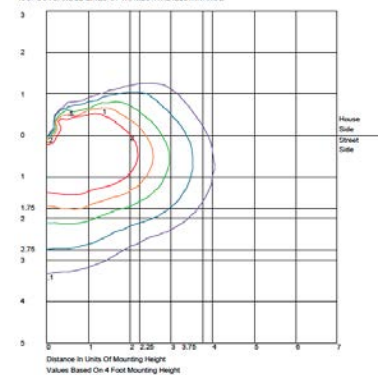
## 2Q90MU / 14W LED / 5000K CCT

Catalog #: IBL-XX-2Q90MU-50-XX-UNV  
 Report #: 13374611.02  
 Maximum candela of 712 at 55° from vertical.  
 Mounting Height = 4' (1.22 m)  
 854 Delivered Lumens  
 81 Lumens per Watt  
 B1-U0-G1



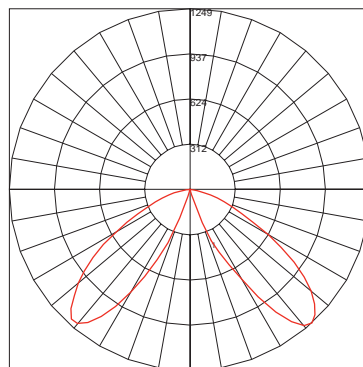
Maximum Candela = 712.165 Located At Horizontal Angle = 75, Vertical Angle = 55  
 # 1 - Vertical Plane Through Horizontal Angles (75 - 285) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



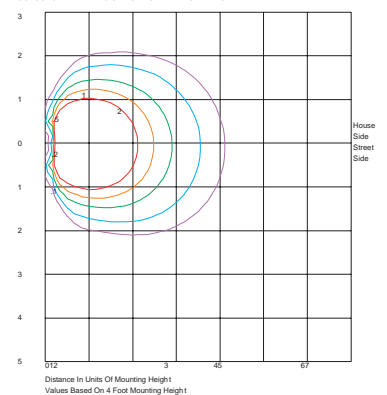
## 2Q180 / 14W LED / 5000K CCT

Catalog #: IBL-X-2Q180-50-XX-120-DS  
 Report #: 1197024-50  
 Maximum candela of 1249 at 42.5° from vertical.  
 Mounting Height = 4' (1.22 m)  
 1156 Delivered Lumens  
 81 Lumens per Watt  
 B1-U0-G0



Maximum Candela = 1248.93 Located At Horizontal Angle = 85, Vertical Angle = 42.5  
 # 1 - Vertical Plane Through Horizontal Angles (85 - 265) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE

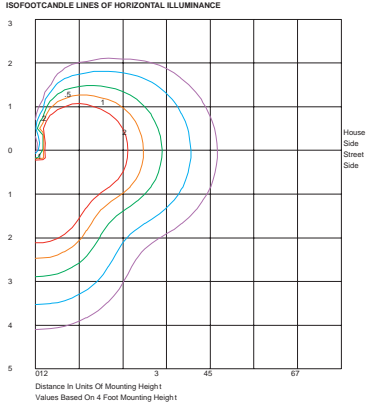
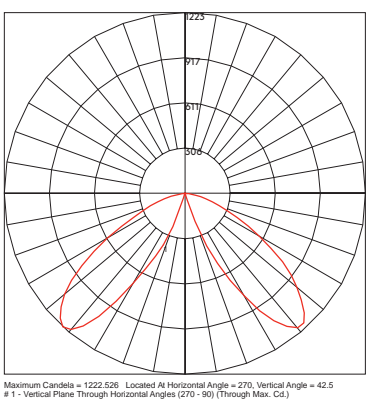




Photometry

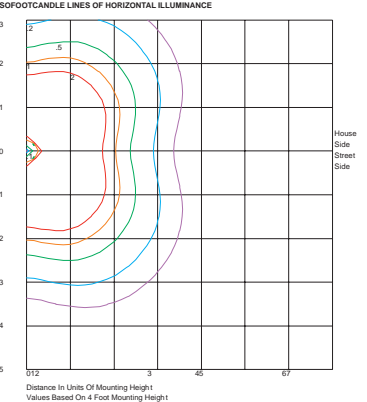
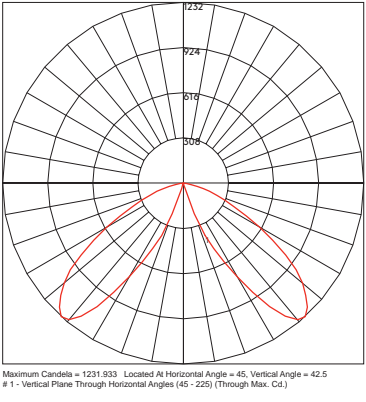
3Q / 20W LED / 5000K CCT

Catalog #: IBL-X-3Q-50-XX-120-DS  
Report #: 1197021-50  
Maximum candela of 1223 at 42.5° from vertical.  
Mounting Height = 4' (1.22 m)  
1689 Delivered Lumens  
82 Lumens per Watt  
B1-U0-G0



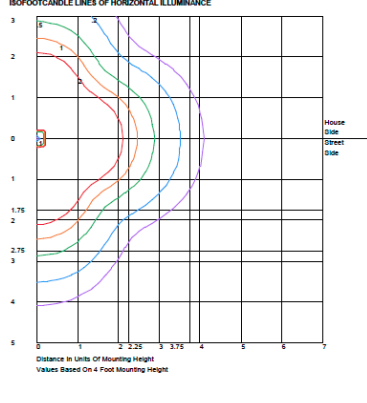
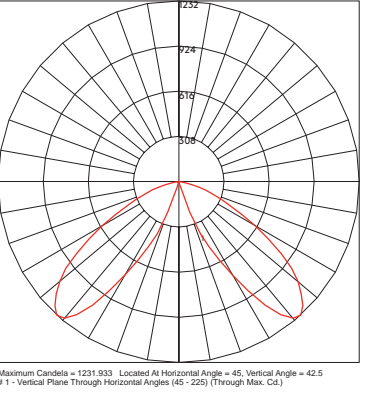
4QS / 27W LED / 5000K CCT

Catalog #: IBL-X-4QS-50-XX-120-DS  
Report #: 1197039-50  
Maximum candela of 1232 at 42.5° from vertical.  
Mounting Height = 4' (1.22 m)  
2246 Delivered Lumens  
83 Lumens per Watt  
B1-U0-G0



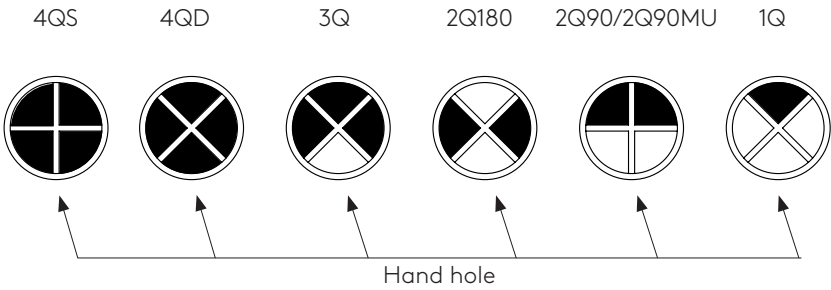
4QD / 27W LED / 5000K CCT

Catalog #: IBL-X-4QD-50-XX-120-DS  
Report #: 1197039-50  
Maximum candela of 1232 at 42.5° from vertical.  
Mounting Height = 4' (1.22 m)  
2246 Delivered Lumens  
83 Lumens per Watt  
B1-U0-G0



Multiplier Chart	
3000K to Amber	0.22
3000K to 2700K	0.92
3000K to 4000K	1.00
3000K to 4000K	1.00
3000K to 5000K	1.07

LED Light Engine Distribution Guide



TM-21 Lifetime Calculation					
Light Engine	Ambient Temp (°C)	Lumen Maintenance (% at hours)			Reported L <sub>70</sub> <sup>1</sup>
		25K	50K	70K	
All <sup>2</sup>	25°C	99.8%	99.8%	99.8%	L <sub>70</sub> (12K) > 70,000 hours
	40°C	99.8%	99.8%	99.8%	L <sub>70</sub> (12K) > 70,000 hours

1. Calculated in accordance with IESNA TM-21-11, projected values are within 6 times (6x) the IESNA LM-80-08 test duration  
2. Thermal measurements based on Order Code: IBL-x-2Q90MU-27-SV-UNV



# VCPGX Ultimate LED Parking Garage

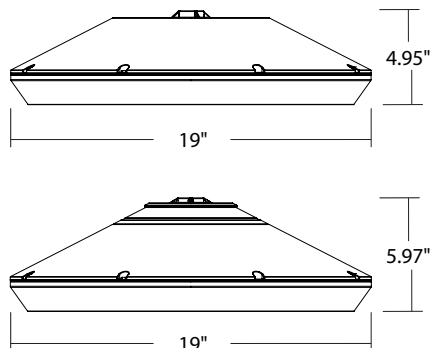


## Specifications

**Diameter:** 19"

**Height:** 4.95"  
(6" with Up-Light)

**Weight** 25 lbs  
(max, with no options):



A+ Capable options indicated by this color background.

Catalog Number

Notes

Type

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

## Introduction

The all new VCPGX LED (Visually Comfortable Parking Garage) luminaire is the ultimate solution for parking garage applications. The deep recessed lens design of VCPGX LED minimizes high angle glare, while its patent pending transition zone reduces the contrast ratio between the luminaire and the dark ceiling. The dedicated up-light module option further reduces this contrast, creating a more visually comfortable environment.

The VCPGX LED delivers up to 87% in energy savings when replacing 175W metal halide luminaires. With over 100,000 hour life expectancy (12+ years of 24/7 continuous operation), the VCPGX LED luminaire provides significant maintenance savings over traditional luminaires.

## Ordering Information

EXAMPLE: VCPGX LED V8 P3 40K 70CRI T5M MVOLT PM UPL2 DWHXD

VCPGX LED							
Series	LED Light Engines	Package	Color temperature	Color Rendering Index	Distribution	Voltage	Mounting
VCPGX LED	V4 4 Light Engines	P1	30K 3000 K	70CRI	T5M Type V, medium	MVOLT	<b>Shipped included</b> PM Pendant mount standard (24-inch length supply leads) SRM Surface mount (24-inch length supply leads) ARM Arm mount (use RSXWBA accessory to mount to a wall)  <b>Shipped separately</b> YK Yoke/trunnion mount <sup>2</sup>
	V8 8 Light Engines	P2	35K 3500 K	80CRI	T5R <sup>1</sup> Type V, rectangular	347 120	
		P3	40K 4000 K		T5W Type V, wide	480 208	
		P4	50K 5000 K		T5E Type V entry	240 277	
		P5			LANE <sup>1</sup> Drive lane	347 347	
		P6				480 480	
		P7 (with V8 only)					

Options	Finish (required)
<b>Shipped installed</b> UPL1 Up-Light: 500 lumens UPL2 Up-Light: 700 lumens E8WC Emergency battery backup, CEC compliant (8W, -20°C min) <sup>3,4,5</sup> E10WH Emergency battery backup, CEC compliant (10W, 5°C min) <sup>3,4,5</sup> HA High ambient (50°C, only P1-P4) SF Single fuse (120V, 277V, 347V) DF Double fuse (208V, 240V, 480V) SPD10KV 10KV Surge Pack LDS36 36in (3ft) lead length LDS72 72in (6ft) lead length LDS108 108in (9ft) lead length DMG External 0-10V leads (no controls) <sup>6</sup> TP Tamper proof screws	DWHXD White DNAXD Natural aluminum DDBXD Dark bronze DBLXD Black
<b>Standalone Sensors/Controls</b> PIR Motion/ambient sensor for 8-15' mounting heights PIRH Motion/ambient sensor for 15-30' mounting heights PIR3FC3V Motion/ambient sensor for 8-15' mounting heights, pre programmed to 3fc and 35% light output PIRH3FC3V Motion/ambient sensor for 15-30' mounting heights, pre programmed to 3fc and 35% light output	
<b>Networked Sensors/Controls</b> NLTAIR2 PIR nLIGHT AIR Wireless enabled motion/ambient sensor for 8-15' mounting heights NLTAIR2 PIRH nLIGHT AIR Wireless enabled motion/ambient sensor for 15'-30' mounting heights NLTAIR2 PIR924 nLIGHT AIR Wireless enabled, UL924 Listed motion/ambient sensor for 8-15' mounting heights <sup>7</sup> NLTAIR2 PIRH924 nLIGHT AIR Wireless enabled, UL924 Listed motion/ambient sensor for 15'-30' mounting heights <sup>7</sup>	
<b>Shipped Separately</b> BDS Bird Shroud BSW Bird Spikes	



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VCPGX LED  
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## Ordering Information Cont.

### Accessories

Ordered and shipped separately.

VCPGBDS DWHXD U	Bird shroud for PM (specify finish)
VCPGBDS YK DWHXD U	Bird shroud for YK (specify finish)
VCPGUBDS DWHXD U	Bird shroud for PM with Up-Light (specify finish)
VCPGUBDS YK DWHXD U	Bird shroud for YK with Up-Light (specify finish)
VCPGSRM U	Surface mount kit, with no Up-Light
VCPGUSRM U	Surface mount kit, with Up-Light
VCPGWG U	Wire guard
SLVSQ	Quick mount pendant swivel kit, square
SLVRD	Quick mount pendant swivel kit, round
VCPG YK DWHXD U	Yoke mount kit (specify finish)
RSXWBA DWHXD U	RSX WBA wall bracket (specify finish)
VCPGHS DWHXD U	House side shield (specify finish)

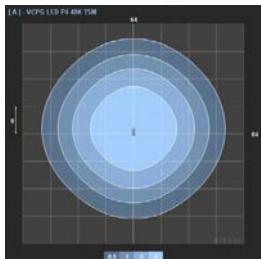
### NOTES

- 1 Not available in P7 package or with V8 option.
- 2 Only vertical height adjustment. No angle adjustment. Use PM and SLVSQ or SLVRD for mounting to angled ceiling or canopies.
- 3 Not available with 347V or 480V.
- 4 E8WC and E10WH only rated up to 35°C ambient.
- 5 E8WC & E10WH only available with P1-P4 packages.
- 6 DMG option not available with standalone or networked sensors/controls.
- 7 Needs an nLight Air Normal Power Sensing (NPS) device in the group. VCPG NLTAIR2 PIR and PIRH devices cannot act as NPS devices.

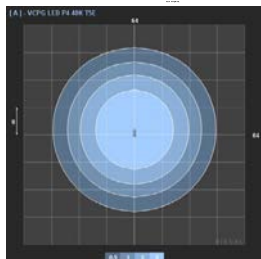
## Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the [VCPG Ultimate LED Parking Garage Luminaire homepage](#). Tested in accordance with IESNA LM-79 and LM-80 standards

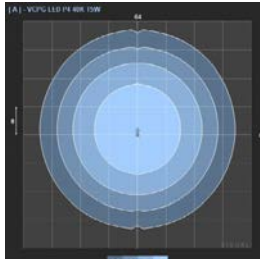
VCPG LED P4 TSM 40K



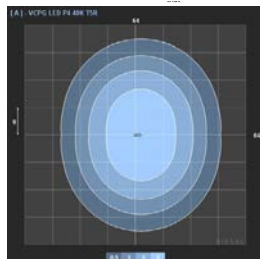
VCPG LED P4 T5E 40K



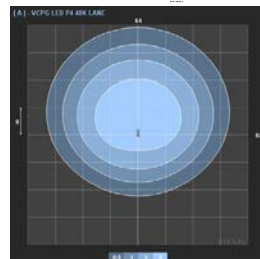
VCPG LED P4 T5W 40K



VCPG LED P4 T5R 40K



VCPG LED P4 LANE 40K



## Performance Data

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.

### 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	1.03
10°C	1.02
20°C	1.01
25°C	1
30°C	0.99
40°C	0.98

### Projected LED Lumen Maintenance

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

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

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	0.97	0.94	0.89

### Electrical Load

Power Package	System Watts	Current (A)					
		120V	208V	240V	277V	347V	480V
P1	27W	0.22	0.13	0.12	0.10	0.08	0.06
P2	34W	0.28	0.16	0.14	0.13	0.10	0.08
P3	43W	0.37	0.21	0.18	0.16	0.13	0.09
P4	56W	0.48	0.28	0.24	0.21	0.16	0.12
P5	82W	0.68	0.40	0.35	0.30	0.24	0.18
P6	108W	0.91	0.52	0.45	0.39	0.32	0.23
P7	124W	1.03	0.59	0.51	0.44	0.37	0.27



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## Performance Data

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.

### Lumen Output, V4 Option

Performance Package	Watts	Distribution Type	30K (3000K, 70 CRI)		35K (3500K, 70 CRI)		40K (4000K, 70 CRI)		50K (5000K, 70 CRI)	
			Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW
P1	27W	TSE	3,546	133	3,634	137	3,778	142	3,838	144
		TSM	3,573	134	3,662	138	3,807	143	3,867	146
		TSW	3,509	132	3,596	135	3,738	141	3,798	143
		TSR	3,421	129	3,506	132	3,645	137	3,703	139
		LANE	3,380	127	3,464	130	3,601	136	3,658	138
P2	34W	TSE	4,532	133	4,644	137	4,828	142	4,905	144
		TSM	4,567	134	4,680	138	4,865	143	4,942	146
		TSW	4,484	132	4,595	135	4,777	141	4,853	143
		TSR	4,372	129	4,481	132	4,658	137	4,732	139
		LANE	4,320	127	4,427	130	4,602	136	4,676	138
P3	43W	TSE	5,750	133	5,893	136	6,126	141	6,223	143
		TSM	5,795	134	5,938	137	6,173	142	6,271	145
		TSW	5,690	131	5,832	134	6,062	140	6,158	142
		TSR	5,548	128	5,686	131	5,910	136	6,004	138
		LANE	5,482	126	5,618	130	5,840	135	5,933	137
P4	56W	TSE	7,318	130	7,500	133	7,796	138	7,920	141
		TSM	7,375	131	7,558	134	7,856	140	7,981	142
		TSW	7,242	129	7,421	132	7,714	137	7,837	139
		TSR	7,061	125	7,236	129	7,522	134	7,641	136
		LANE	6,977	124	7,150	127	7,432	132	7,550	134
P5	82W	TSE	10,088	123	10,339	126	10,747	131	10,918	133
		TSM	10,166	124	10,418	127	10,830	132	11,002	134
		TSW	9,982	122	10,230	125	10,634	129	10,803	132
		TSR	9,733	118	9,974	121	10,368	126	10,534	128
		LANE	9,617	117	9,856	120	10,245	125	10,408	127
P6	108W	TSE	12,751	118	13,067	121	13,583	126	13,799	128
		TSM	12,849	119	13,168	122	13,688	127	13,906	129
		TSW	12,617	117	12,930	120	13,441	125	13,655	127
		TSR	12,302	114	12,607	117	13,105	122	13,313	124
		LANE	12,155	113	12,457	116	12,948	120	13,155	122

### Up-light Lumen Output

Up-light Option	Watts	Lumens
UPL1	6.5W	519
UPL2	8.5W	715

### Lumen Multiplier for 80CRI

CCT	Multiplier
30K	0.926
35K	0.945
40K	0.967
50K	0.965

### Lumen Output, V8 Option

Performance Package	Watts	Distribution Type	30K (3000K, 70 CRI)		35K (3500K, 70 CRI)		40K (4000K, 70 CRI)		50K (5000K, 70 CRI)	
			Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW
P1	26W	TSE	3,639	140	3,729	143	3,876	149	3,938	151
		TSM	3,667	141	3,758	145	3,906	150	3,968	153
		TSW	3,600	138	3,690	142	3,835	148	3,897	150
P2	33W	TSE	4,650	140	4,765	143	4,954	149	5,033	151
		TSM	4,686	141	4,802	144	4,992	150	5,071	152
		TSW	4,601	138	4,715	142	4,901	147	4,980	150
P3	42W	TSE	5,900	139	6,047	143	6,286	148	6,386	151
		TSM	5,946	140	6,093	144	6,334	149	6,435	152
		TSW	5,839	138	5,984	141	6,220	147	6,319	149
P4	55W	TSE	7,509	136	7,696	139	7,999	145	8,127	147
		TSM	7,567	137	7,755	140	8,061	146	8,189	148
		TSW	7,431	135	7,615	138	7,916	143	8,042	146
P5	81W	TSE	10,351	129	10,608	132	11,027	137	11,203	139
		TSM	10,431	130	10,690	133	11,112	138	11,289	140
		TSW	10,242	127	10,497	130	10,911	136	11,085	138
P6	106W	TSE	13,083	124	13,408	127	13,937	132	14,159	134
		TSM	13,184	125	13,511	128	14,045	133	14,268	135
		TSW	12,946	123	13,267	126	13,791	131	14,011	133
P7	124W	TSE	15,350	124	15,730	127	16,351	132	16,612	134
		TSM	15,468	125	15,851	128	16,477	133	16,740	135
		TSW	15,189	122	15,566	126	16,180	130	16,438	133



## Control/Sensor Options

### Motion/Ambient Sensor (PIR\_, PIRH)

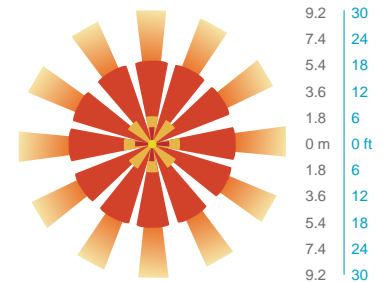
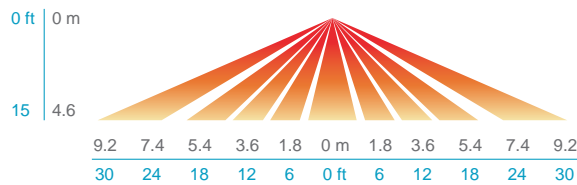
Motion/Ambient sensor (Sensor Switch MSOD, nLight AIR RMSOD) is integrated into the luminaire. The sensor provides both Motion and Daylight based dimming of the luminaire. For motion detection, the sensor utilizes 100% Digital Passive Infrared (PIR) technology that is tuned for walking size motion while preventing false tripping from the environment. The integrated photocell enables additional energy savings during daytime periods when there is sufficient daylight. Optimize sensor coverage by either selecting PIR or PIRH option. PIR option comes with a sensor lens that is optimized to provide maximum coverage for mounting heights between 8-15ft, while PIRH is optimized for 15-40ft mounting height.

### Networked Control (NLTAIR2)

nLight® AIR is a wireless lighting controls platform that allows for seamless integration of both indoor and outdoor luminaires. Five-tier security architecture, 900 MHz wireless communication and app (CLAIRITY™ Pro) based configurability combined together make nLight® AIR a secure, reliable and easy to use platform.

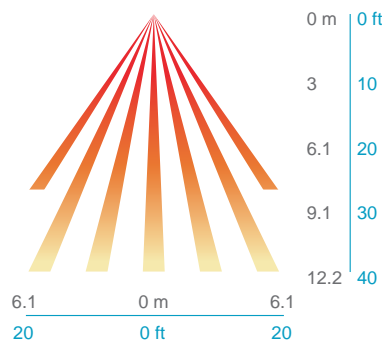
#### PIR

##### HIGH VIEW

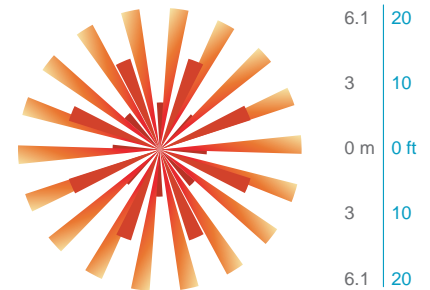


#### PIRH

##### SIDE VIEW



##### TOP VIEW



### Motion/Ambient Sensor Default Settings

Option	Dim Level	High Level (when triggered)	Photocell Operation	Motion Time Delay	Ramp-down Time	Ramp-up Time
PIR or PIRH	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
PIR3FC3V or PIRH3FC3V	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 3fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec

## Mounting, Options & Accessories



**PM – Pendant Mount**  
(compatible with 3/4" NPT,  
pendant stem provided by  
others)

D = 19"  
H = 4.1"



**SRM – Surface Mount**

D = 19"  
H = 4.1"



**SRM – Surface Mount  
with Up-Light**

D = 19"  
H = 5.3"



**YK – Yoke/Trunnion Mount**

D = 19"  
H (Yoke) = 10"-18"



**ARM – Arm Mount**

L = 28"  
W = 19"  
H = 8"



**PIR & PIRH – Motion/  
Ambient sensor**

L = 20.4"  
W = 19"  
H = 5.45" (no up-light)  
or 6.45" (with up-light)



**NLTAIR2 PIR – nLight AIR  
Motion/Ambient Sensor**

L = 20.4"  
W = 19"  
H = 5.45" (no up-light)  
or 6.45" (with up-light)



**BDS – Bird shroud for  
pendant mount**

D = 19"  
H = 8.85"



**BDS – Bird shroud for  
yoke mount**

D = 19"  
H (Yoke) = 10"-18"

## FEATURES & SPECIFICATIONS

### INTENDED USE

The visually comfortable optics, energy savings, and long life of the VCPGX LED Parking Garage luminaire make it an ideal choice for new commercial installations and retrofit parking garage opportunities. It is designed to meet or exceed recommended illuminance criteria when installed as a direct replacement of most HID parking garage luminaires. Its modern dayform and aesthetics also make it appealing for indoor low-bay applications.

### CONSTRUCTION

Two-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. The LED driver is separated from the heat generating light engines and mounted in direct contact with the casting to promote low operating temperatures, higher lumen maintenance and long life. The housing is completely sealed against moisture and environmental contaminants (IP66) and is suitable for hose-down application.

### FINISH

Exterior painted 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 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling.

### OPTICS

Light guide technology provides a diffused light source, reducing glare from direct view of the LEDs. The light source is recessed into the luminaire, further reducing the high angle glare from the luminaire. A combination of precision molded micro prismatic acrylic lenses and back reflectors provide five different photometric distributions tailored specifically to parking garage applications. Up-light option comes with a dedicated light engine and custom optic designed to efficiently spread light on to the ceiling, thus reducing the cave effect.

### ELECTRICAL

Light engine consists of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L89/100,000 hours at 25°C). The electronic driver has a power factor of >90%, THD <20%, and a minimum 6.0 KV surge rating. When ordering the SPD10KV option, a separate 10kV (5kA) surge protection device is installed within the luminaire which meets a minimum Category C low operation (per ANSI/IEEE C62.41.2). Luminaire is 0-10V dimmable down to 10% or lower.

### INSTALLATION

Standard configuration accepts a rigid or free-swinging 3/4" NPT stem for pendant mounting. The surface mount option attaches to a 4x4" recessed or surface mount outlet box using a quick-mount kit (included); kit contains galvanized steel luminaire and outlet box plates and a full pad gasket. Kit has an integral mounting support that allows the luminaire to hinge down for easy electrical connections. Luminaire and plates are secured with set screws. Also, available with a yoke/trunnion mount option with 3/4" NPT provision for flexible conduit entry (conduit by others); height can be adjusted from 10-18". Supply leads are 24" in length as standard. Longer supply leads are available as additional options. Design can withstand up to a 3.0 G vibration load rating per ANSI C136.31.

### LISTINGS

CSA certified to U.S. and Canadian standards. IP66 rated for outdoor applications. PIR options are rated for wet location. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified.

### 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](http://www.acuitybrands.com/resources/buy-american) for additional information.

### WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: [www.acuitybrands.com/support/warranty/terms-and-conditions](http://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.



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VCPGX LED  
Rev. 09/13/22



# D-Series Size 0

## Legacy LED Area Luminaire



Catalog  
Number

Notes

Type

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

### Specifications

**EPA:** 0.95 ft<sup>2</sup>  
(.09 m<sup>2</sup>)

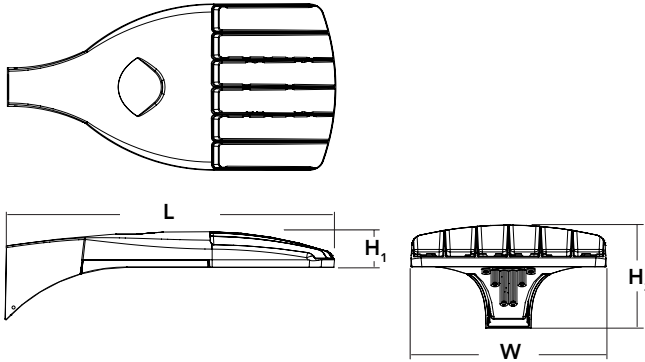
**Length:** 26"  
(66.0 cm)

**Width:** 13"  
(33.0 cm)

**Height<sub>1</sub>:** 3"  
(7.62 cm)

**Height<sub>2</sub>:** 7"  
(17.8 cm)

**Weight (max):** 16 lbs  
(7.25 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 400W metal halide with typical energy savings of 70% and expected service life of over 100,000 hours.

### Ordering Information

**EXAMPLE:** DSX0 LED P6 40K T3M MVOLT SPA NLTAIR2 PIRHN DDBXD G1

DSX0 LED					
Series	LEDs	Color temperature	Distribution	Voltage	Mounting
DSX0 LED	<b>Forward optics</b>	30K 3000 K	T1S Type I short (Automotive)	T5S Type V short <sup>3</sup>	<b>Shipped included</b> SPA Square pole mounting RPA Round pole mounting <sup>10</sup> WBA Wall bracket <sup>3</sup> SPUMBA Square pole universal mounting adaptor <sup>11</sup> RPUMBA Round pole universal mounting adaptor <sup>11</sup> <b>Shipped separately</b> KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) <sup>12</sup>
	P1 P5	40K 4000 K	T2S Type II short	T5M Type V medium <sup>3</sup>	
	P2 P6	50K 5000 K	T2M Type II medium	T5W Type V wide <sup>3</sup>	
	P3 P7 <sup>1</sup>		T3S Type III short	BLC Backlight control <sup>4</sup>	
	P4 <sup>1</sup>		T3M Type III medium	LCCO Left corner cutoff <sup>4</sup>	
	<b>Rotated optics</b>		T4M Type IV medium	RCCO Right corner cutoff <sup>4</sup>	
	P10 <sup>2</sup> P12 <sup>2</sup>		TFTM Forward throw medium		
	P11 <sup>2</sup> P13 <sup>1,2</sup>		T5VS Type V very short <sup>3</sup>		
				MVOLT (120V-277V) <sup>5,6</sup> XVOLT (277V-480V) <sup>7,8,9</sup> 120 <sup>6</sup> 208 <sup>6</sup> 240 <sup>6</sup> 277 <sup>6</sup> 347 <sup>6</sup> 480 <sup>6</sup>	

Control options	Other options	Finish (required)	Generation (required)
<b>Shipped installed</b> NLTAIR2 nLight AIR generation 2 enabled <sup>13,14</sup> PIRHN Network, high/low motion/ambient sensor <sup>15</sup> PER NEMA twist-lock receptacle only (control ordered separate) <sup>16</sup> PER5 Five-pin receptacle only (control ordered separate) <sup>16,17</sup> PER7 Seven-pin receptacle only (leads exit fixture) (control ordered separate) <sup>16,17</sup> DMG 0-10V dimming extend out back of housing for external control (control ordered separate) <sup>18</sup>	<b>Shipped installed</b> HS House-side shield <sup>22</sup> SF Single fuse (120, 277, 347V) <sup>6</sup> DF Double fuse (208, 240, 480V) <sup>6</sup> L90 Left rotated optics <sup>2</sup> R90 Right rotated optics <sup>2</sup> DDL Diffused drop lens <sup>22</sup> HA 50°C ambient operations <sup>1</sup> BAA Buy America(n) Act Compliant <b>Shipped separately</b> BS Bird spikes <sup>23</sup> 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	G1 Generation 1
PIR High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc <sup>19,20</sup> PIRH High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc <sup>19,20</sup> PIR1FC3V High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc <sup>19,20</sup> PIRH1FC3V High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc <sup>19,20</sup> FAO Field adjustable output <sup>19,21</sup>			



COMMERCIAL OUTDOOR

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DSX0 LED G1  
 Rev. 09/06/22  
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## Ordering Information

### Accessories

Ordered and shipped separately.

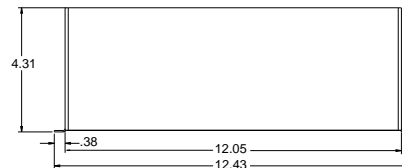
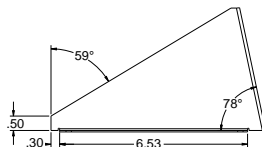
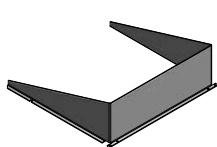
DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) <sup>24</sup>
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) <sup>24</sup>
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) <sup>24</sup>
DSHORT SBK U	Shorting cap <sup>24</sup>
DSX0HS 20C U G1	House-side shield for P1,P2,P3 and P4 <sup>22</sup>
DSX0HS 30C U G1	House-side shield for P10,P11,P12 and P13 <sup>22</sup>
DSX0HS 40C U G1	House-side shield for P5,P6 and P7 <sup>22</sup>
DSX0DDL U G1	Diffused drop lens (polycarbonate) <sup>22</sup>
PUMBA DDBXD U G1*	Square and round pole universal mounting bracket adaptor (specify finish) <sup>25</sup>
KMA8 DDBXD U	Master arm mounting bracket adaptor (specify finish) <sup>12</sup>
DSX0EGS (FINISH) U G1	External glare shield

For more control options, visit [DTL](#) and [ROAM](#) online.  
Link to [nLight Air 2](#)

### NOTES

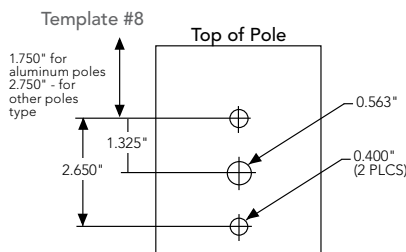
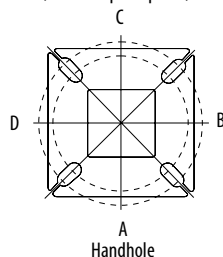
- HA not available with P4, P7, and P13.
- P10, P11, P12 and P13 and rotated options (L90 or R90) only available together.
- Any Type 5 distribution with photocell, is not available with WBA.
- Not available with HS or DDL.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V. XVOLT not available with fusing (SF or DF).
- XVOLT only suitable for use with P4, P7 and P13.
- XVOLT operates with any voltage between 277V and 480V.
- XVOLT not available with fusing (SF or DF) and not available with PIR, PIRH, PIR1FC3V, PIRH1FC3V.
- 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 ANSI C136.31. Only usable when pole's drill pattern is NOT Lithonia template #8.
- Must order fixture with SPA mounting. KMA8 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. Shorting Cap included.
- DMG not available with PIRHN, PER5, PER7, PIR, PIRH, PIR1FC3V or PIRH1FC3V, FAO.
- Reference Controls Options table on page 4.
- Reference Motion Sensor Default Table on page 4 to see functionality.
- Not available with other dimming controls options.
- Not available with BLC, LCCO and RCCO distribution.
- Must be ordered with fixture for factory pre-drilling.
- Requires luminaire to be specified with PER, PER5 or PER7 option. See Controls Table on page 4.
- For retrofit use only. Only usable when pole's drill pattern is NOT Lithonia template #8.

## EGS – External Glare Shield



## Drilling

### HANDHOLE ORIENTATION (from top of pole)



### 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
Minimum Acceptable Outside Pole Dimension							
SPA	#8	2-7/8"	2-7/8"	3.5"	3.5"		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"		4"
RPUMBA	#5	2-7/8"	3.5"	5"	5"	3.5"	5"

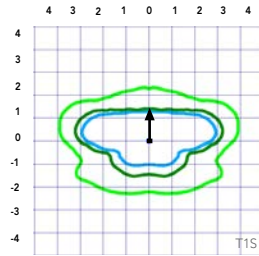
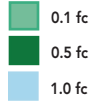
### DSX0 Area Luminaire - EPA

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

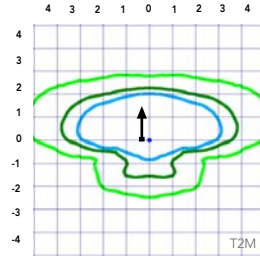
Fixture Quantity & Mounting Configuration	Single DM19	2 @ 180 DM28	2 @ 90 DM29	3 @ 90 DM39	3 @ 120 DM32	4 @ 90 DM49
Mounting Type						
DSX0 LED	0.950	1.900	1.830	2.850	2.850	3.544

Isofootcandle plots for the DSX0 LED P6 40K G1. Distances are in units of mounting height (20').

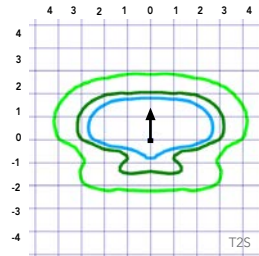
## LEGEND



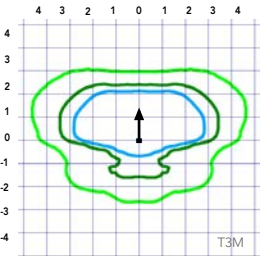
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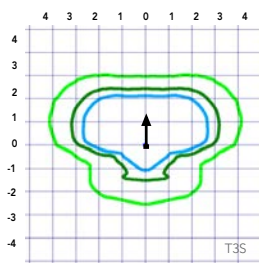
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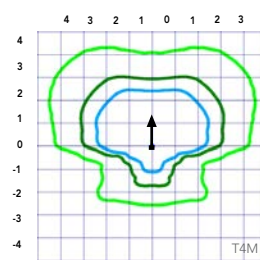
Test No. LTL2345/P25 tested in accordance with IESNA LM-79-08.



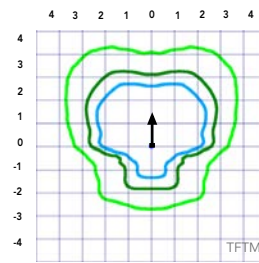
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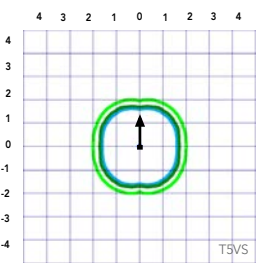
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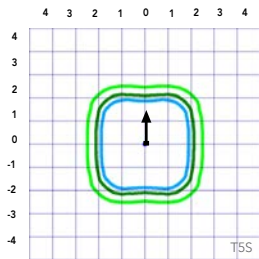
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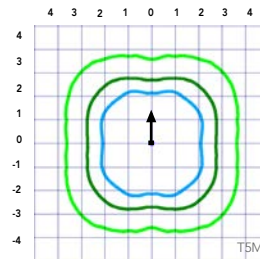
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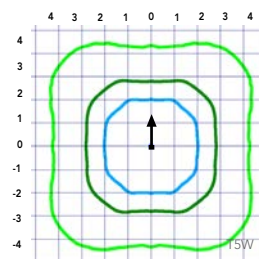
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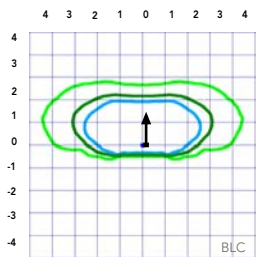
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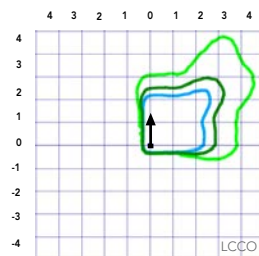
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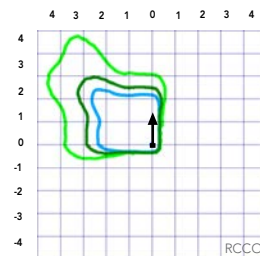
Test No. LTL2345/P25 tested in accordance with IESNA LM-79-08.



Test No.



Test No.



Test No.



## Performance Data

### 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	1.04
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
<b>25°C</b>	<b>77°F</b>	<b>1.00</b>
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

### Projected LED Lumen Maintenance

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

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

Operating Hours	Lumen Maintenance Factor
25,000	0.96
50,000	0.92
100,000	0.85

Motion Sensor Default Settings						
Option	Dimmed State	High Level (when triggered)	Photocell Operation	Dwell Time	Ramp-up Time	Ramp-down Time
PIR or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	5 min	3 sec	5 min
*PIR1FC3V or PIRH1FC3V	3V (37%) Output	10V (100%) Output	Enabled @ 1FC	5 min	3 sec	5 min

\*for use when motion sensor is used as dusk to dawn control.

### Electrical Load

					Current (A)					
	Performance Package	LED Count	Drive Current	Wattage	120	208	240	277	347	480
Forward Optics (Non-Rotated)	P1	20	530	38	0.32	0.18	0.15	0.15	0.10	0.08
	P2	20	700	49	0.41	0.23	0.20	0.19	0.14	0.11
	P3	20	1050	71	0.60	0.37	0.32	0.27	0.21	0.15
	P4	20	1400	92	0.77	0.45	0.39	0.35	0.28	0.20
	P5	40	700	89	0.74	0.43	0.38	0.34	0.26	0.20
	P6	40	1050	134	1.13	0.65	0.55	0.48	0.39	0.29
	P7	40	1300	166	1.38	0.80	0.69	0.60	0.50	0.37
Rotated Optics (Requires L90 or R90)	P10	30	530	53	0.45	0.26	0.23	0.21	0.16	0.12
	P11	30	700	72	0.60	0.35	0.30	0.27	0.20	0.16
	P12	30	1050	104	0.88	0.50	0.44	0.39	0.31	0.23
	P13	30	1300	128	1.08	0.62	0.54	0.48	0.37	0.27

### Controls Options

Nomenclature	Description	Functionality	Primary control device	Notes
FAO	Field adjustable output device installed inside the luminaire; wired to the driver dimming leads.	Allows the luminaire to be manually dimmed, effectively trimming the light output.	FAO device	Cannot be used with other controls options that need the 0-10V leads
DS	Drivers wired independently for 50/50 luminaire operation	The luminaire is wired to two separate circuits, allowing for 50/50 operation.	Independently wired drivers	Requires two separately switched circuits. Consider nLight AIR as a more cost effective alternative.
PERS or PER7	Twist-lock photocell receptacle	Compatible with standard twist-lock photocells for dusk to dawn operation, or advanced control nodes that provide 0-10V dimming signals.	Twist-lock photocells such as DLL Elite or advanced control nodes such as ROAM.	Pins 4 & 5 to dimming leads on driver, Pins 6 & 7 are capped inside luminaire
PIR or PIRH	Motion sensors with integral photocell. PIR for 8-15' mounting; PIRH for 15-30' mounting	Luminaires dim when no occupancy is detected.	Acuity Controls SBGR	Also available with PIRH1FC3V when the sensor photocell is used for dusk-to-dawn operation.
NLTAIR2 PIRHN	nLight AIR enabled luminaire for motion sensing, photocell and wireless communication.	Motion and ambient light sensing with group response. Scheduled dimming with motion sensor over-ride when wirelessly connected to the nLight Eclipse.	nLight Air rSDGR	nLight AIR sensors can be programmed and commissioned from the ground using the CIAIRity Pro app.

## Performance Data

### Lumen Output

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

#### Forward Optics

Power Package	LED Count	Drive Current	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	20	530	38W	T1S	4,369	1	0	1	115	4,706	1	0	1	124	4,766	1	0	1	125
				T2S	4,387	1	0	1	115	4,726	1	0	1	124	4,785	1	0	1	126
				T2M	4,364	1	0	1	115	4,701	1	0	1	124	4,761	1	0	1	125
				T3S	4,376	1	0	1	115	4,714	1	0	1	124	4,774	1	0	1	126
				T3M	4,248	1	0	1	112	4,577	1	0	1	120	4,634	1	0	1	122
				T4M	4,281	1	0	1	113	4,612	1	0	2	121	4,670	1	0	2	123
				TFTM	4,373	1	0	1	115	4,711	1	0	2	124	4,771	1	0	2	126
				TSVS	4,548	2	0	0	120	4,900	2	0	0	129	4,962	2	0	0	131
				TSS	4,552	2	0	0	120	4,904	2	0	0	129	4,966	2	0	0	131
				TSM	4,541	3	0	1	120	4,891	3	0	1	129	4,953	3	0	1	130
				TSW	4,576	3	0	2	120	4,929	3	0	2	130	4,992	3	0	2	131
				BLC	3,586	1	0	1	94	3,863	1	0	1	102	3,912	1	0	1	103
				LCCO	2,668	1	0	1	70	2,874	1	0	2	76	2,911	1	0	2	77
				RCCO	2,668	1	0	1	70	2,874	1	0	2	76	2,911	1	0	2	77
P2	20	700	49W	T1S	5,570	1	0	1	114	6,001	1	0	1	122	6,077	2	0	2	124
				T2S	5,593	1	0	1	114	6,025	1	0	1	123	6,102	1	0	1	124
				T2M	5,564	1	0	2	114	5,994	1	0	2	122	6,070	2	0	2	125
				T3S	5,580	1	0	2	114	6,011	1	0	2	123	6,087	1	0	2	124
				T3M	5,417	1	0	2	111	5,835	1	0	2	119	5,909	2	0	2	121
				T4M	5,458	1	0	2	111	5,880	1	0	2	120	5,955	1	0	2	122
				TFTM	5,576	1	0	2	114	6,007	1	0	2	123	6,083	1	0	2	124
				TSVS	5,799	2	0	0	118	6,247	2	0	0	127	6,327	2	0	0	129
				TSS	5,804	2	0	0	118	6,252	2	0	0	128	6,332	2	0	1	129
				TSM	5,789	3	0	1	118	6,237	3	0	1	127	6,316	3	0	1	129
				TSW	5,834	3	0	2	119	6,285	3	0	2	128	6,364	3	0	2	130
				BLC	4,572	1	0	1	93	4,925	1	0	1	101	4,987	1	0	1	102
				LCCO	3,402	1	0	2	69	3,665	1	0	2	75	3,711	1	0	2	76
				RCCO	3,402	1	0	2	69	3,665	1	0	2	75	3,711	1	0	2	76
P3	20	1050	71W	T1S	7,833	2	0	2	110	8,438	2	0	2	119	8,545	2	0	2	120
				T2S	7,865	2	0	2	111	8,473	2	0	2	119	8,580	2	0	2	121
				T2M	7,825	2	0	2	110	8,429	2	0	2	119	8,536	2	0	2	120
				T3S	7,846	2	0	2	111	8,452	2	0	2	119	8,559	2	0	2	121
				T3M	7,617	2	0	2	107	8,205	2	0	2	116	8,309	2	0	2	117
				T4M	7,675	2	0	2	108	8,269	2	0	2	116	8,373	2	0	2	118
				TFTM	7,841	2	0	2	110	8,447	2	0	2	119	8,554	2	0	2	120
				TSVS	8,155	3	0	0	115	8,785	3	0	0	124	8,896	3	0	0	125
				TSS	8,162	3	0	1	115	8,792	3	0	1	124	8,904	3	0	1	125
				TSM	8,141	3	0	2	115	8,770	3	0	2	124	8,881	3	0	2	125
				TSW	8,204	3	0	2	116	8,838	4	0	2	124	8,950	4	0	2	126
				BLC	6,429	1	0	2	91	6,926	1	0	2	98	7,013	1	0	2	99
				LCCO	4,784	1	0	2	67	5,153	1	0	2	73	5,218	1	0	2	73
				RCCO	4,784	1	0	2	67	5,153	1	0	2	73	5,218	1	0	2	73
P4	20	1400	92W	T1S	9,791	2	0	2	106	10,547	2	0	2	115	10,681	2	0	2	116
				T2S	9,831	2	0	2	107	10,590	2	0	2	115	10,724	2	0	2	117
				T2M	9,780	2	0	2	106	10,536	2	0	2	115	10,669	2	0	2	116
				T3S	9,807	2	0	2	107	10,565	2	0	2	115	10,698	2	0	2	116
				T3M	9,521	2	0	2	103	10,256	2	0	2	111	10,386	2	0	2	113
				T4M	9,594	2	0	2	104	10,335	2	0	3	112	10,466	2	0	3	114
				TFTM	9,801	2	0	2	107	10,558	2	0	2	115	10,692	2	0	2	116
				TSVS	10,193	3	0	1	111	10,981	3	0	1	119	11,120	3	0	1	121
				TSS	10,201	3	0	1	111	10,990	3	0	1	119	11,129	3	0	1	121
				TSM	10,176	4	0	2	111	10,962	4	0	2	119	11,101	4	0	2	121
				TSW	10,254	4	0	3	111	11,047	4	0	3	120	11,186	4	0	3	122
				BLC	8,036	1	0	2	87	8,656	1	0	2	94	8,766	1	0	2	95
				LCCO	5,979	1	0	2	65	6,441	1	0	2	70	6,523	1	0	3	71
				RCCO	5,979	1	0	2	65	6,441	1	0	2	70	6,523	1	0	3	71

## Performance Data

### Lumen Output

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

#### Forward Optics

Power Package	LED Count	Drive Current	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P5	40	700	89W	T1S	10,831	2	0	2	122	11,668	2	0	2	131	11,816	2	0	2	133
				T2S	10,876	2	0	2	122	11,716	2	0	2	132	11,864	2	0	2	133
				T2M	10,820	2	0	2	122	11,656	2	0	2	131	11,803	2	0	2	133
				T3S	10,849	2	0	2	122	11,687	2	0	2	131	11,835	2	0	2	133
				T3M	10,532	2	0	2	118	11,346	2	0	2	127	11,490	2	0	2	129
				T4M	10,613	2	0	3	119	11,434	2	0	3	128	11,578	2	0	3	130
				TFTM	10,842	2	0	2	122	11,680	2	0	2	131	11,828	2	0	2	133
				TSVS	11,276	3	0	1	127	12,148	3	0	1	136	12,302	3	0	1	138
				TSS	11,286	3	0	1	127	12,158	3	0	1	137	12,312	3	0	1	138
				TSM	11,257	4	0	2	126	12,127	4	0	2	136	12,280	4	0	2	138
				TSW	11,344	4	0	3	127	12,221	4	0	3	137	12,375	4	0	3	139
				BLC	8,890	1	0	2	100	9,576	1	0	2	108	9,698	1	0	2	109
				LCCO	6,615	1	0	3	74	7,126	1	0	3	80	7,216	1	0	3	81
				RCCO	6,615	1	0	3	74	7,126	1	0	3	80	7,216	1	0	3	81
P6	40	1050	134W	T1S	14,805	3	0	3	110	15,949	3	0	3	119	16,151	3	0	3	121
				T2S	14,865	3	0	3	111	16,014	3	0	3	120	16,217	3	0	3	121
				T2M	14,789	3	0	3	110	15,932	3	0	3	119	16,134	3	0	3	120
				T3S	14,829	2	0	3	111	15,975	3	0	3	119	16,177	3	0	3	121
				T3M	14,396	3	0	3	107	15,509	3	0	3	116	15,705	3	0	3	117
				T4M	14,507	2	0	3	108	15,628	3	0	3	117	15,826	3	0	3	118
				TFTM	14,820	2	0	3	111	15,965	3	0	3	119	16,167	3	0	3	121
				TSVS	15,413	4	0	1	115	16,604	4	0	1	124	16,815	4	0	1	125
				TSS	15,426	3	0	1	115	16,618	4	0	1	124	16,828	4	0	1	126
				TSM	15,387	4	0	2	115	16,576	4	0	2	124	16,786	4	0	2	125
				TSW	15,506	4	0	3	116	16,704	4	0	3	125	16,915	4	0	3	126
				BLC	12,151	1	0	2	91	13,090	1	0	2	98	13,255	1	0	2	99
				LCCO	9,041	1	0	3	67	9,740	1	0	3	73	9,863	1	0	3	74
				RCCO	9,041	1	0	3	67	9,740	1	0	3	73	9,863	1	0	3	74
P7	40	1300	166W	T1S	17,023	3	0	3	103	18,338	3	0	3	110	18,570	3	0	3	112
				T2S	17,092	3	0	3	103	18,413	3	0	3	111	18,646	3	0	3	112
				T2M	17,005	3	0	3	102	18,319	3	0	3	110	18,551	3	0	3	112
				T3S	17,051	3	0	3	103	18,369	3	0	3	111	18,601	3	0	3	112
				T3M	16,553	3	0	3	100	17,832	3	0	3	107	18,058	3	0	3	109
				T4M	16,681	3	0	3	100	17,969	3	0	3	108	18,197	3	0	3	110
				TFTM	17,040	3	0	3	103	18,357	3	0	4	111	18,590	3	0	4	112
				TSVS	17,723	4	0	1	107	19,092	4	0	1	115	19,334	4	0	1	116
				TSS	17,737	4	0	2	107	19,108	4	0	2	115	19,349	4	0	2	117
				TSM	17,692	4	0	2	107	19,059	4	0	2	115	19,301	4	0	2	116
				TSW	17,829	5	0	3	107	19,207	5	0	3	116	19,450	5	0	3	117
				BLC	13,971	2	0	2	84	15,051	2	0	2	91	15,241	2	0	2	92
				LCCO	10,396	1	0	3	63	11,199	1	0	3	67	11,341	1	0	3	68
				RCCO	10,396	1	0	3	63	11,199	1	0	3	67	11,341	1	0	3	68

## 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.

Rotated Optics																			
Power Package	LED Count	Drive Current	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P10	30	530	53W	T1S	6,727	2	0	2	127	7,247	3	0	3	137	7,339	3	0	3	138
				T2S	6,809	3	0	3	128	7,336	3	0	3	138	7,428	3	0	3	140
				T2M	6,689	3	0	3	126	7,205	3	0	3	136	7,297	3	0	3	138
				T3S	6,805	3	0	3	128	7,331	3	0	3	138	7,424	3	0	3	140
				T3M	6,585	3	0	3	124	7,094	3	0	3	134	7,183	3	0	3	136
				T4M	6,677	3	0	3	126	7,193	3	0	3	136	7,284	3	0	3	137
				TFTM	6,850	3	0	3	129	7,379	3	0	3	139	7,472	3	0	3	141
				TSVS	6,898	3	0	0	130	7,431	3	0	0	140	7,525	3	0	0	142
				TSS	6,840	2	0	1	129	7,368	2	0	1	139	7,461	2	0	1	141
				TSM	6,838	3	0	1	129	7,366	3	0	2	139	7,460	3	0	2	141
				TSW	6,777	3	0	2	128	7,300	3	0	2	138	7,393	3	0	2	139
				BLC	5,626	2	0	2	106	6,060	2	0	2	114	6,137	2	0	2	116
				LCCO	4,018	1	0	2	76	4,328	1	0	2	82	4,383	1	0	2	83
				RCCO	4,013	3	0	3	76	4,323	3	0	3	82	4,377	3	0	3	83
P11	30	700	72W	T1S	8,594	3	0	3	119	9,258	3	0	3	129	9,376	3	0	3	130
				T2S	8,699	3	0	3	121	9,371	3	0	3	130	9,490	3	0	3	132
				T2M	8,545	3	0	3	119	9,205	3	0	3	128	9,322	3	0	3	129
				T3S	8,694	3	0	3	121	9,366	3	0	3	130	9,484	3	0	3	132
				T3M	8,412	3	0	3	117	9,062	3	0	3	126	9,177	3	0	3	127
				T4M	8,530	3	0	3	118	9,189	3	0	3	128	9,305	3	0	3	129
				TFTM	8,750	3	0	3	122	9,427	3	0	3	131	9,546	3	0	3	133
				TSVS	8,812	3	0	0	122	9,493	3	0	0	132	9,613	3	0	0	134
				TSS	8,738	3	0	1	121	9,413	3	0	1	131	9,532	3	0	1	132
				TSM	8,736	3	0	2	121	9,411	3	0	2	131	9,530	3	0	2	132
				TSW	8,657	4	0	2	120	9,326	4	0	2	130	9,444	4	0	2	131
				BLC	7,187	3	0	3	100	7,742	3	0	3	108	7,840	3	0	3	109
				LCCO	5,133	1	0	2	71	5,529	1	0	2	77	5,599	1	0	2	78
				RCCO	5,126	3	0	3	71	5,522	3	0	3	77	5,592	3	0	3	78
P12	30	1050	104W	T1S	12,149	3	0	3	117	13,088	3	0	3	126	13,253	3	0	3	127
				T2S	12,297	3	0	3	118	13,247	3	0	3	127	13,415	3	0	3	129
				T2M	12,079	4	0	4	116	13,012	4	0	4	125	13,177	4	0	4	127
				T3S	12,290	3	0	3	118	13,239	4	0	4	127	13,407	4	0	4	129
				T3M	11,891	4	0	4	114	12,810	4	0	4	123	12,972	4	0	4	125
				T4M	12,058	4	0	4	116	12,990	4	0	4	125	13,154	4	0	4	126
				TFTM	12,369	4	0	4	119	13,325	4	0	4	128	13,494	4	0	4	130
				TSVS	12,456	3	0	1	120	13,419	3	0	1	129	13,589	4	0	1	131
				TSS	12,351	3	0	1	119	13,306	3	0	1	128	13,474	3	0	1	130
				TSM	12,349	4	0	2	119	13,303	4	0	2	128	13,471	4	0	2	130
				TSW	12,238	4	0	3	118	13,183	4	0	3	127	13,350	4	0	3	128
				BLC	10,159	3	0	3	98	10,944	3	0	3	105	11,083	3	0	3	107
				LCCO	7,256	1	0	3	70	7,816	1	0	3	75	7,915	1	0	3	76
				RCCO	7,246	3	0	3	70	7,806	4	0	4	75	7,905	4	0	4	76
P13	30	1300	128W	T1S	14,438	3	0	3	113	15,554	3	0	3	122	15,751	3	0	3	123
				T2S	14,614	3	0	3	114	15,744	4	0	4	123	15,943	4	0	4	125
				T2M	14,355	4	0	4	112	15,465	4	0	4	121	15,660	4	0	4	122
				T3S	14,606	4	0	4	114	15,735	4	0	4	123	15,934	4	0	4	124
				T3M	14,132	4	0	4	110	15,224	4	0	4	119	15,417	4	0	4	120
				T4M	14,330	4	0	4	112	15,438	4	0	4	121	15,633	4	0	4	122
				TFTM	14,701	4	0	4	115	15,836	4	0	4	124	16,037	4	0	4	125
				TSVS	14,804	4	0	1	116	15,948	4	0	1	125	16,150	4	0	1	126
				TSS	14,679	3	0	1	115	15,814	3	0	1	124	16,014	3	0	1	125
				TSM	14,676	4	0	2	115	15,810	4	0	2	124	16,010	4	0	2	125
				TSW	14,544	4	0	3	114	15,668	4	0	3	122	15,866	4	0	3	124
				BLC	7919	3	0	3	62	8531	3	0	3	67	8639	3	0	3	67
				LCCO	5145	1	0	2	40	5543	1	0	2	43	5613	1	0	2	44
				RCCO	5139	3	0	3	40	5536	3	0	3	43	5606	3	0	3	44

## FEATURES & SPECIFICATIONS

### INTENDED USE

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

### CONSTRUCTION

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

### FINISH

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

### OPTICS

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

### ELECTRICAL

Light engine(s) configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L85/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

### STANDARD CONTROLS

The DSX0 LED area luminaire has a number of control options. DSX Size 0, comes standard with 0-10V dimming driver. Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell receptacles. Integrated motion sensors with on-board photocells feature field-adjustable programming and are suitable for mounting heights up to 30 feet.

### nLIGHT AIR CONTROLS

The DSX0 LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing and photocontrol functionality and is suitable for mounting heights up to 40 feet. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped luminaires can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclipse. Additional information about nLight Air can be found [here](#).

### INSTALLATION

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

### LISTINGS

UL listed to meet U.S. and Canadian standards. UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C to 50°C ambient with HA option. U.S. Patent No. D672,492 S. International patent pending.

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

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

### 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](http://www.acuitybrands.com/buy-american) for additional information.

### WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: [www.acuitybrands.com/support/warranty/terms-and-conditions](http://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.





Catalog Number
Notes
Type

## FEATURES & SPECIFICATIONS

**INTENDED USE** — For areas that require good vertical illumination and excellent glare control at low mounting heights. Ideal for open areas, retail spaces and aisles. Not for use or installation in direct outdoor sunlight. Must be installed under canopy or covered ceiling. For direct sunlight installations, please refer to the [FEX](#) product family. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate.** [Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.](#)

**Certain airborne contaminants may adversely affect the functioning of LEDs and other electronic components, depending on various factors such as concentrations of the contaminants, ventilation, and temperature at the end-user location.** [Click here for a list of substances that may not be suitable for interaction with LEDs and other electronic components.](#)

**CONSTRUCTION** — One-piece 5VA rated fiberglass housing with integral perimeter channel utilizes continuous poured-in-place NEMA 4X gasket. Simple two-piece design consists of housing and optical assembly to streamline installation process. Polymeric latches positively attach to housing and keep from becoming a hindrance during install.

**OPTICS** — Injection-molded, acrylic lens (.080" thick), provides high impact-resistance comparable to 100% DR. F1 rated for outdoor use, lenses resist breaking, yellowing or becoming brittle over time. UV stabilized polycarbonate diffuser available (.080" thick) in clear or frosted for additional impact strength. Polycarbonate lens is recommend for lower mounting heights where vandal protection is desired.

**ELECTRICAL** — Tool-less one piece optical assembly combines LEDs and lens into one component. Optical assembly easily connects to housing with plug and play harness, eliminating time consuming wiring connections. High-efficiency drivers operate 120-480V offered with 0-10V dimming, allowing granular control when coupled with wireless networking controls. Luminaire Surge Protection Level: Designed to withstand up to 2.5kV/0.75kA per ANSI C82.77-5-2015.

L85 at 60,000 hours.

**INSTALLATION** — Two-piece design makes installations faster than ever by simplifying wiring connections. Power connection is easily accommodated through pre-drilled holes at each end, optional wet location fittings available for maximum flexibility.

Stainless steel (#316) surface spring-mounting brackets with bail wires standard (2 included) allow for ceiling, wall or suspended mount.

Swivel stem(provided by others) when pendant mounting. Factory installed junction box option accommodates up to 4X4 sized boxes and includes integrated gasket to maintain wet location listings.

Quick Mount Bracket (QMB) ships installed on fixture and is recommended for fastest surface mount installs, ideal for end to end installations or larger jobs.

**LISTINGS** — CSA Certified to UL and C-UL standards. NEMA 4X rated. IP ratings: IP65 and IP66 rated. See page 3 for ambients.

NSF listed for Splash Zone II.

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

**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](http://www.acuitybrands.com/buy-american) for additional information.

**WARRANTY** — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: [www.acuitybrands.com/support/warranty/terms-and-conditions](http://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.

LED Enclosed and Gasketed

# DMW2



## A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

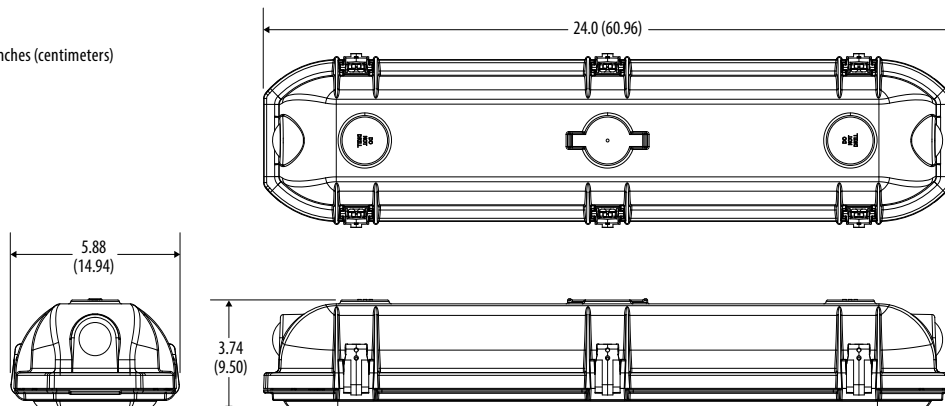
- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks marked by a **shaded background**\*

To learn more about A+, visit [www.acuitybrands.com/aplus](http://www.acuitybrands.com/aplus).

\*See ordering tree for details

## DIMENSIONS

All dimensions are shown in inches (centimeters) unless otherwise noted.



## PHOTOMETRICS

Please see [www.lithonia.com](http://www.lithonia.com).

# DMW2 LED Wet Location



A+ Capable options indicated by this color background.

## ORDERING INFORMATION

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

**Example:** DMW2 L24 4000LM PCL MD MVOLT GZ10 40K 80CRI

Series <sup>1</sup>	Length	Nominal lumens	Diffuser	Distribution	Voltage	Driver	Color temperature	Color rendering index
DMW2 LED wet location	L24 24"	2000LM 2,000 lumens	ACL Acrylic	MD Medium distribution	MVOLT 120-277V	GZ10 0-10V Dimming	30K 3000 K	80CRI 80 CRI
		3000LM 3,000 lumens	AFL Frosted acrylic		120 120V		35K 3500 K	90CRI 90 CRI
		4000LM 4,000 lumens	PCL Polycarbonate	WD Wide distribution	208 208V		40K 4000 K	
			PFL Frosted Polycarbonate		240 240V		50K 5000 K	
					277 277V			
					347 347V <sup>1</sup>			
					480 480V <sup>1</sup>			

Options							
PS1050	Emergency LED <a href="#">battery pack</a> for 0°C and up (1400 lumens), 10W, CA Title 20 noncompliant <sup>2</sup>	CS88	6' Brad Harrison 16/3 cord and straight blade plug set, NEMA 4X rated <sup>8</sup>	MSI10NWL	Low mount 360 integral motion sensor, wet location, On/Off operation <sup>11</sup>		
E10WCP	EM Self-diagnostics <a href="#">battery pack</a> , 10W, Constant Power Certified in CA Title 20 MAEDBS <sup>2,3</sup>	CS88L12	12' Brad Harrison 16/3 cord and straight blade plug set, NEMA 4X rated <sup>8</sup>	MSI102L3VWL	Low mount 360 integral motion sensor, wet location, High/Low operation (3 level) <sup>11</sup>		
PMP4X	Pendant monopoint with NEMA4X fitting (not available with JSB option) <sup>3,4</sup>	CS88R	Brad Harrison receptacle, NEMA 4X rated <sup>9</sup>	MSI10NWL DSCNWL	low mount 360 integral motion sensor, wet location, On/Off operation for motion sensing, override Off due to daylight <sup>11</sup>		
WLFEND	Wet location fitting (one fitting out end) <sup>5</sup>	NOM	Nom certified				
WLFEND2	Wet location fitting (fittings out both ends) <sup>6</sup>	TPS	TorxT10 tamper-resistant screws				
JSB	Junction box snap-bracket <sup>7</sup>	STSL	Stainless steel latches	NLTAIR2 RSBOR10	nLight AIR Generation 2 enabled 360° low mount motion sensor <sup>12</sup>		
QMB	Quick-mount ceiling bracket <sup>7</sup>	SPD	10KV surge protection device <sup>10</sup>				
CS89	6' white cord, 16/3, no plug, wet location <sup>8</sup>	BAA	Buy America(n) Act Compliant				
CS89L12	12' white cord, 16/3, no plug, wet location <sup>8</sup>						

Accessories: Order as separate catalog number.	
RK1 T10BIT W/PIN U	Hex-base driver bit, Torx TX10, for tamper-resistant screws with center reject pin
DMW2WLF	Wet location fitting
DMW2QMB	Quick-mount ceiling bracket

## Notes

1. Plastic latches supplied as standard. Provided with 2X KO plugs at both ends.
2. Not available with JSB, PMP4X mounting options. Not available with CS88 cord sets or CS88R receptacle. Must specify voltage. Not available with 347, 480V. Maximum ambient temperature 25°C.
3. Not for field install.
4. Not available with PS1050 option. Not available with QMB, JSB mounting options.
5. Not available with WLFEND2. Not available with PS1050. Not available with cordsets or sensors.
6. Not available with WLFEND, PS1050, CS cord sets, or MSI sensors.
7. Not available with other mounting options
8. Not available with other cord sets. Not available with PS1050 option.
9. Receptacle only. Not available with PS1050.
10. Not available with PS1050, SBOR & RSBOR.
11. Not available with other external MSI sensors or WLFEND2. Must specify voltage.
12. Not available with other external MSI sensors or WLFEND2. Normal luminaires (non-emergency) can be used as a normal power sensing device for nearby nLight AIR devices and luminaires with EM emergency options.

## DMW2 LED Wet Location

OPERATIONAL DATA (80 CRI*)					
Package	Input Wattage	CCT	AFL	ACL	Comparable Light Source
			Lumens (LPW)	Lumens (LPW)	
2000LM	18	30K	2419 (134)	2419 (134)	1-32T8 lamp
		35K	2481 (138)	2556 (142)	
		40K	2536 (141)	2612 (145)	
		50K	2661 (148)	2740 (152)	
3000LM	27	30K	3483 (129)	3587 (133)	2-32T8 lamps
		35K	3572 (132)	3680 (136)	
		40K	3651 (135)	3761 (139)	
		50K	3831 (142)	3946 (146)	
4000LM	40	30K	4631 (116)	4770 (119)	3-32T8 Lamps, 2-54T5HO lamps
		35K	4751 (119)	4893 (122)	
		40K	4855 (121)	5001 (125)	
		50K	5094 (127)	5247 (131)	

CSA LISTED AMBIENT RATING*			
Package	Bare Fixture	X-Point/Sensor	Emergency
2000LM	40°C	35°C	0 to 25°C
3000LM	40°C	35°C	0 to 25°C
4000LM	-40 to 40°C	35°C	0 to 25°C

\*Minimum Ambient is -20°C unless noted.

\*\* Suspended 18" from ceiling.

## OPTIONS AND ACCESSORIES

The DMW2 Series fixture offers numerous options for almost every electrical and optical component, including a long list of field-installable accessories.



**SMB**  
Surface mounting bracket  
(ships standard with fixture)



**QMB**  
Quick mounting bracket  
field installable option order as DMW2QMB



**JSB**  
Junction mounting bracket  
(factory installed only)  
(Not intended for wall mounting.  
Voids IP65 rating.)



**PMP4X**  
Pendant monopoint  
(factory installed only)

### OPTIONS AND ACCESSORIES

The DMW2 Series fixture offers numerous options for almost every electrical and optical component, including a long list of field-installable accessories.

#### rSBOR/SBOR – Fixture Mount Sensor (see [www.sensorswitch.com](http://www.sensorswitch.com) for additional information)

- 360° coverage
- On/Off dim
- Photocell optional
- IP66 rated
- Photocell and 0-10VDC dimming options.

Fixture sensor nomenclature	RSBOR/SBOR sensor nomenclature
For shortest lead times use one of the following SBOR configurations	
NLTAIR2 RSBOR10	RSBOR 10 EB4 WH G2
MSI10NWL	SBOR 10 OEX EB4 WH
MSI102L3VWL	SBOR 10 OEX D EB4 WH 3V
MSI10NWL DSCNWL	SBOR 10 OEX P EB4 WH



## 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](http://www.acuitybrands.com/buy-american) for additional information.

**WARRANTY** — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: [www.acuitybrands.com/support/warranty/terms-and-conditions](http://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.

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

Driver	Options			
GZ10 0-10V driver dims to 10%	SF <sup>4</sup>	Single fuse	N80 <sup>8</sup>	nLight™ Lumen Compensation
GZ1 0-10V driver dims to 1%	TRW <sup>5</sup>	White painted flange	JOT <sup>13</sup>	Wireless room control with "Just One Touch" pairing
D10 Minimum dimming 10% driver for use with JOT	TRBL <sup>5</sup>	Black painted flange	NPS80EZ <sup>7</sup>	nLight® dimming pack controls 0-10V eldoLED drivers (EZ10, EZ1).
D1 Minimum dimming 1% driver for use with JOT	EL <sup>6</sup>	Emergency battery pack with integral test switch. 10W Constant Power, Not Certified in CA Title 20 MAEDBS	NPS80EZER <sup>7</sup>	nLight® dimming pack controls 0-10V eldoLED drivers (EZ10, EZ1). ER controls fixtures on emergency circuit.
EZ10 0-10V eldoLED driver with smooth and flicker-free deep dimming performance down to 10%	ELR <sup>6</sup>	Emergency battery pack with remote test switch. 10W Constant Power, Not Certified in CA Title 20 MAEDBS	HAO <sup>11</sup>	High ambient option
	ELSD <sup>6</sup>	Emergency battery pack with self-diagnostics, integral test switch. 10W Constant Power, Not Certified in CA Title 20 MAEDBS	CP <sup>12</sup>	Chicago Plenum
	ELRSD <sup>6</sup>	Emergency battery pack with self-diagnostics, remote test switch. 10W Constant Power, Not Certified in CA Title 20 MAEDBS	RRL <sup>___</sup>	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 <a href="http://www.acuitybrands.com">www.acuitybrands.com</a> for the RELOC product specifications.
EZ1 0-10V eldoLED driver with smooth and flicker-free deep dimming performance down to 1%	E10WCP <sup>6</sup>	Emergency battery pack, 10W Constant Power with integral test switch. Certified in CA Title 20 MAEDB	NLTAIR2 <sup>9, 10, 14</sup>	nLight® Air enabled
	E10WCPR <sup>6</sup>	Emergency battery pack, 10W Constant Power with remote test switch. Certified in CA Title 20 MAEDB	NLTAIRER2 <sup>9, 10</sup>	nLight® AIR Dimming Pack Wireless Controls. Controls fixtures on emergency circuit, not available with battery pack options
EDAB eldoLED DALI SOLDRIIVE dim to dark	NPP16D <sup>7</sup>	nLight® network power/relay pack with 0-10V dimming for non-eldoLED drivers (GZ10, GZ1).	NLTAIREM2 <sup>9, 10</sup>	nLight® AIR Dimming Pack Wireless Controls. UL924 Emergency Operation, via power interrupt detection. Available with battery pack options.
	NPP16DER <sup>7</sup>	nLight® network power/relay pack with 0-10V dimming for non-eldoLED drivers (GZ10, GZ1). ER controls fixtures on emergency circuit.	BAA	Buy America(n) Act Compliant
			90CRI	High CRI (90+)

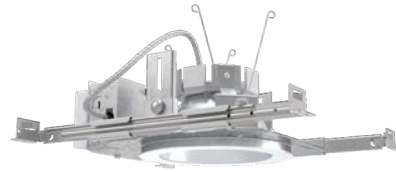
### Accessories: Order as separate catalog number.

PS1055CP	FMC Power Sentry battery pack, T20 compliant, field installable, 10w constant power
<a href="#">EAC ISSM 375</a>	Compact interruptible emergency AC power system
<a href="#">EAC ISSM 125</a>	Compact interruptible emergency AC power system
GRA68 JZ	Oversized trim ring with 8" outside diameter
SCA6	Sloped Ceiling Adapter. Degree of slope must be specified (5D, 10D, 15D, 20D, 25D, 30D). Ex: SCA6 10D

### 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.
- When combined with EZ1 or EZ10 drivers, can be used as a normal power sensing device for nLight AIR devices and luminaires with EM options.

Catalog Number
Notes
Type



# LDN6

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





## PHOTOMETRY

## Distribution Curve

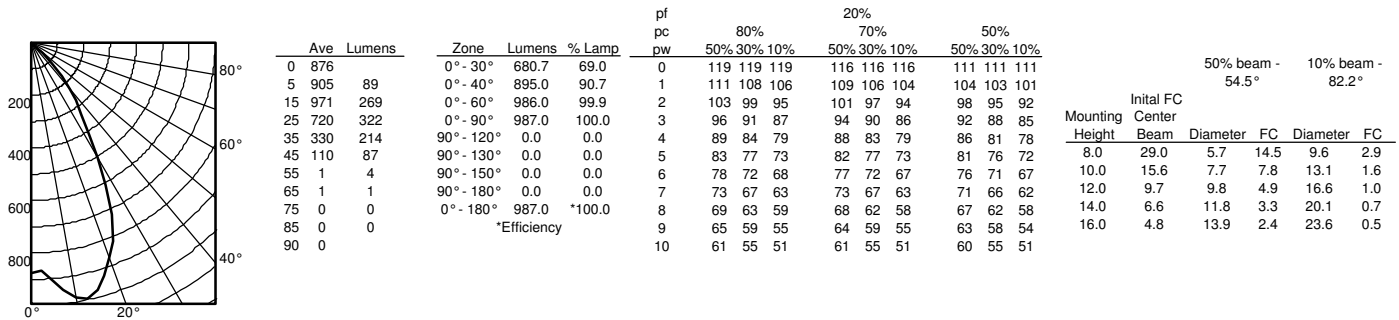
## Distribution Data

## Output Data

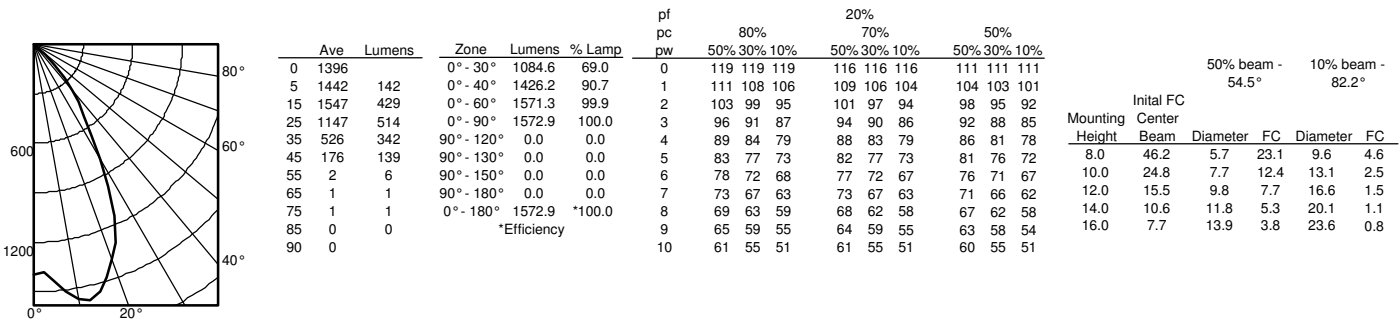
## Coefficient of Utilization

Illuminance Data at 30" Above Floor for  
a Single Luminaire

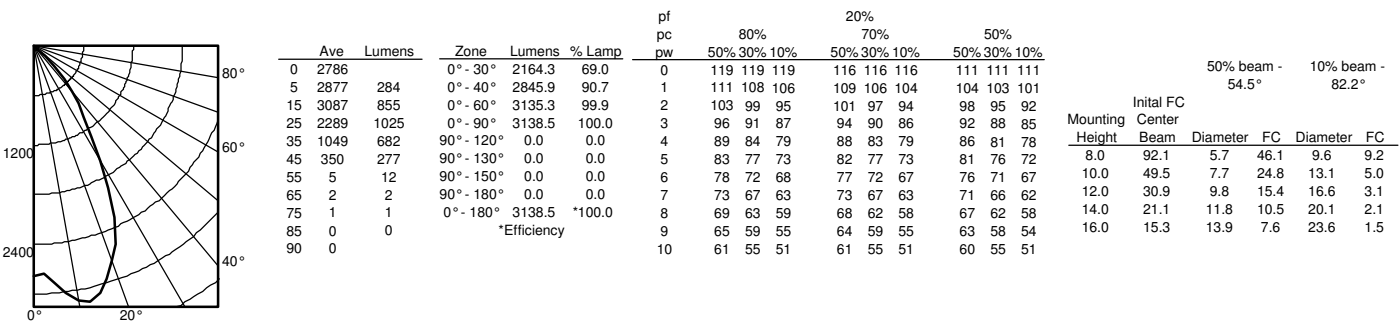
**LDN6 35/10 L06AR**, input watts: 10.44, delivered lumens: 987.10, LM/W = 94.54, spacing criterion at 0= 1.02, test no. ISF 30716P262.



**LDN6 35/15 L06AR**, input watts: 17.52, delivered lumens: 1572.9, LM/W = 89.77, spacing criterion at 0= 1.02, test no. ISF 30716P265.



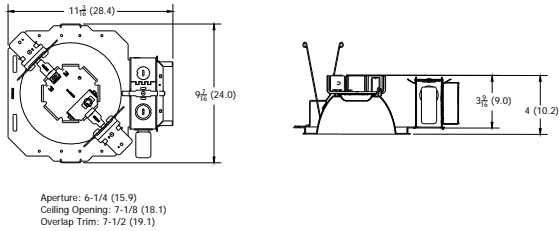
**LDN6 35/30 L06AR**, input watts: 34.75, delivered lumens: 3138.5, LM/W = 90.31, spacing criterion at 0= 1.02, test no. ISF 30716P274.



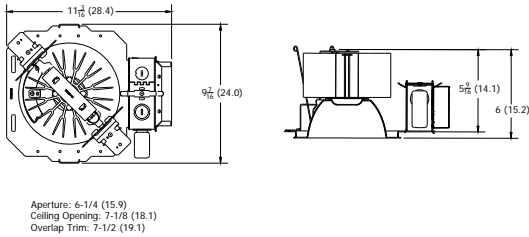
LDN6

\* All dimensions are inches (centimeters) unless otherwise noted.

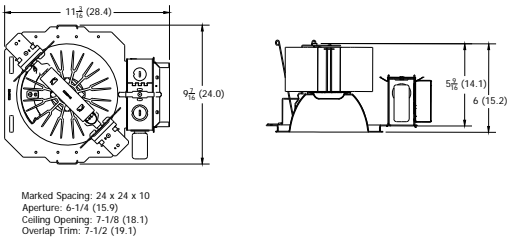
LDN6 500 - 1500 LUMENS



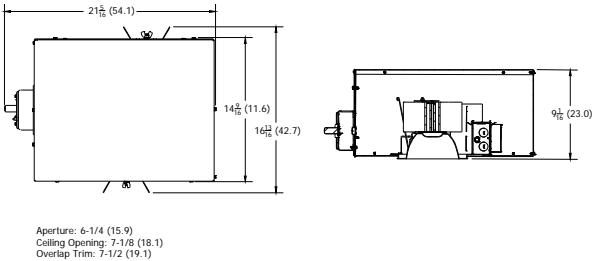
LDN6 2000 - 3000 LUMENS



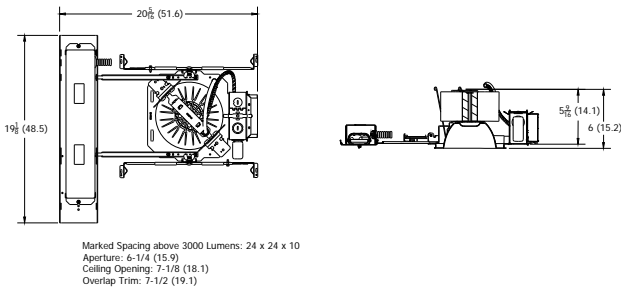
LDN6 4000 - 5000 LUMENS



LDN6 CP



LDN6 EL



LDN6			
Nominal Lumens	Lumens	Wattage	Lm/W
500	527.9	5.8	90.5
750	758.1	8.9	85.1
1000	950.1	10.4	91.0
1500	1514	17.5	86.4
2000	2006	22.5	89.1
2500	2504	28.3	88.6
3000	3021	34.8	86.9
4000	4008	44.3	90.6
5000	4975	57.7	86.3

HOW TO ESTIMATE DELIVERED LUMENS IN EMERGENCY MODE

Use the formula below to estimate the delivered lumens in emergency mode

**Delivered Lumens = 1.25 x P x LPW**

P = Ouput power of emergency driver. P = 10W for PS1055CP

LPW = Lumen per watt rating of the luminaire. This information is available on the ABL luminaire spec sheet.

The LPW rating is also available at [Designlight Consortium](#).

LUMEN OUTPUT MULTIPLIERS - FINISH			
	Clear (AR)	White (WR)	Black (BR)
Specular (LS)	1.0	N/A	N/A
Semi-specular (LSS)	0.950	N/A	N/A
Matte diffuse (LD)	0.85	N/A	N/A
Painted	N/A	0.87	0.73

LUMEN OUTPUT MULTIPLIERS - CCT					
	2700K	3000K	3500K	4000K	5000K
80CRI	0.950	0.966	1.000	1.025	1.101

Notes

- Tested in accordance with IESNA LM-79-08.
- Tested to current IES and NEMA standards under stabilized laboratory conditions.
- CRI: 80 typical.

## ADDITIONAL DATA



The Sensor Switch JOT enabled solution offers a wireless, app-free approach to single room lighting control. JOT enabled products use Bluetooth® Low Energy (BLE) technology to enable wireless dimming and switching.

## Diagram



LDN6 Series

Sensor Switch  
WSXA JOT

- 1. Power:** Install JOT enabled fixtures and controls as instructed.
- 2. Pair:** Insert the pairing tool into the pinhole on the wall switch; press and hold any button for 6 seconds.
- 3. Play:** Once paired, each fixture will individually dim down to 10% brightness. All products will be fully functional.

## COMPATIBLE 0-10V WALL-MOUNT DIMMERS

MANUFACTURER	PART NO.	POWER BOOSTER AVAILABLE
Lutron®	Diva® DVTV	
	Diva® DVSCVT	
	Nova T® NTFTV	
	Nova® NFTV	
Leviton®	AWSMT-7DW	CN100
	AWSMG-7DW	PE300
	AMRMG-7DW	
	Leviton Centura Fluorescent Control System	
	IllumaTech® IP7 Series	
Synergy®	ISD BC	RDMFC
	SLD LPCS	
	Digital Equinox (DEQ BC)	
Douglas Lighting Controls	WPC-5721	
Entertainment Technology	Tap Glide TG600FAM120 (120V)	
	Tap Glide Heatsink TGH1500FAM120 (120V)	
	Oasis OA2000FAMU	
Honeywell	EL7315A1019	EL7305A1010 (optional)
	EL7315A1009	
HUNT Dimming	Preset slide: PS-010-IV and PS-010-WH	
	Preset slide: PS-010-3W-IV and PS-010-3W-WH	
	Preset slide, controls FD-010: PS-IFC-010-IV and PS-IFC-010-WH-120/277V	
	Preset slide, controls FD-010: PS-IFC-010-3W-IV and PS-IFC-010-3W-WH-120/277V	
	Remote mounted unit: FD-010	
Lehigh Electronic Products	Solitaire	PBX
PDM Electrical Products	WPC-5721	
Starfield Controls	TR61 with DALI interface port	RT03 DALI.net Router
WattStopper®	LS-4 used with LCD-101 and LCD-103	

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers marked by a **shaded background**\*
- This luminaire is part of an A+ Certified solution for nLight control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a **shaded background**\*

To learn more about A+, visit [www.acuitybrands.com/aplus](http://www.acuitybrands.com/aplus).

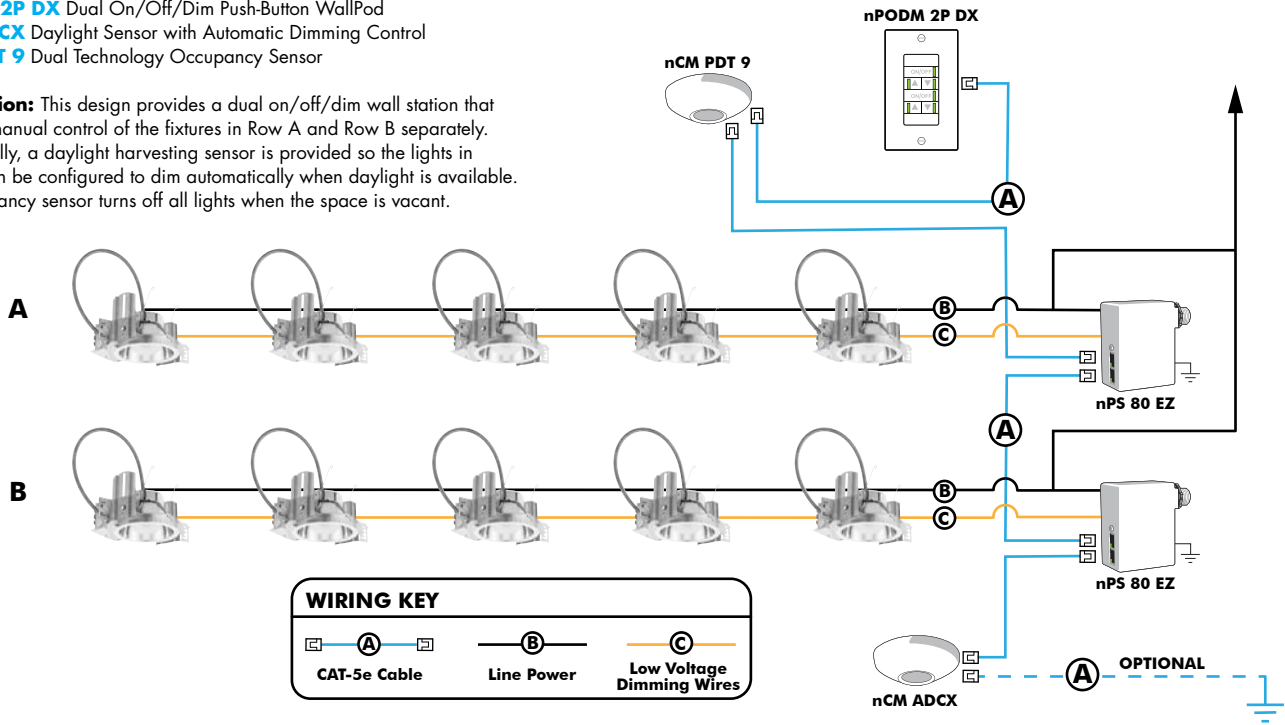
\*See ordering tree for details

EXAMPLE

Group Fixture Control\*  
\*Appiication diagram applies for fixtures with eldoLED drivers only.

- nPS 80 EZ Dimming/Control Pack (qty: 2 required)
- nPODM 2P DX Dual On/Off/Dim Push-Button WallPod
- nCM ADCX Daylight Sensor with Automatic Dimming Control
- nCM PDT 9 Dual Technology Occupancy Sensor

**Description:** This design provides a dual on/off/dim wall station that enables manual control of the fixtures in Row A and Row B separately. Additionally, a daylight harvesting sensor is provided so the lights in Row B can be configured to dim automatically when daylight is available. An occupancy sensor turns off all lights when the space is vacant.



Choose Wall Controls

nLight offers multiple styles of wall controls - each with varying features and user experience.



**Push-Button Wallpod**  
Traditional tactile buttons and LED user feedback



**Graphic Wallpod**  
Full color touch screen provides a sophisticated look and feel

nLight® Wired Controls Accessories:			
Order as separate catalog number. Visit <a href="http://www.acuitybrands.com/products/controls/nlight">www.acuitybrands.com/products/controls/nlight</a> for complete listing of nLight controls.			
WallPod Stations	Model number	Occupancy sensors	Model Number
On/Off	nPODM (Color)	Small motion 360°, ceiling (PIR/dual Tech)	nCM 9 / nCM PDT 9
On/Off & Raise/Lower	nPOD DX (Color)	Large motion 360°, ceiling (PIR/dual tech)	nCM 10 / nCM PDT 10
Graphic Touchscreen	nPOD GFX (Color)	Wide View (PIR/dual tech)	nWV 16 / nWV PDT 16
Photocell controls	Model Number	Wall Switch w/ Raise/Lower (PIR/dual tech)	nWSX LV DX / nWSX PDT LV DX
Dimming	nCM ADCX	Cat-5 cables (plenum rated)	Model Number
		10', CAT5 10FT	CATS 10FT J1
		15, CAT5 15FT	CATS 15FT J1

nLight® AIR Control Accessories:	
Order as separate catalog number. Visit <a href="http://www.acuitybrands.com/products/controls/nlightair">www.acuitybrands.com/products/controls/nlightair</a> .	
Wall switches	Model number
On/Off single pole	rPODB [color]
On/Off two pole	rPODB 2P [color]
On/Off & raise/lower single pole	rPODB DX [color]
On/Off & raise/lower two pole	rPODB 2P DX [color]
On/Off & raise/lower single pole	rPODBZ DX WH <sup>1</sup>

Notes

- 1 Can only be ordered with the RES7Z zone control sensor version.

UL924 Sequence of Operation

The below information applies to all nLight AIR devices with an EM option.

- EM devices will remain at their high-end trim and ignore wireless lighting control commands, unless a normal-power-sensed (NPS) broadcast is received at least every 8 seconds.
- Using the CLAIRITY+ mobile app, EM devices must be associated with a group that includes a normal power sensing device to receive NPS broadcasts.
- Only non-emergency rPP20, rLSXR, rSBOR, rSDGR, and nLight AIR luminaires with version 3.4 or later firmware can provide normal power sensing for EM devices. See specification sheets for control devices and luminaires for more information on options that support normal power sensing.

nLight AIR

nLight AIR is the ideal solution for retrofit or new construction spaces where adding communication is cost prohibitive. The integrated nLight AIR rPP20 Power Pack is part of each Lithonia LDN Luminaire. These individually addressable controls offer the ultimate in flexibility during initial setup and for space repurposing.



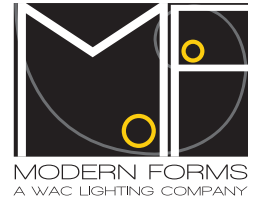
Simple as 1,2,3

1. Install the nLight® AIR fixtures with embedded smart sensor
2. Install the wireless battery-powered wall switch
3. With CLAIRITY app, pair the fixtures with the wall switch and if desired, customize the sensor settings for the desired outcome



# URBAN – model: WS-W11

## LED Outdoor Sconce Luminaire

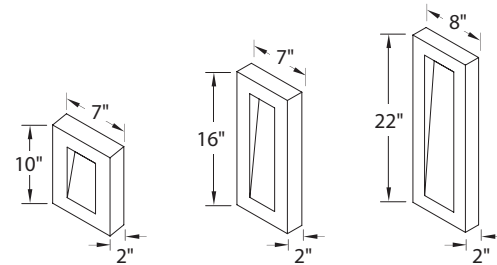


Fixture Type:

Catalog Number:

Project:

Location:



### PRODUCT DESCRIPTION

Like urban renewal, the Urban sconce gives new life to the conventional step baffle. Form follows function in this simplified indirect wall sconce. Clean styling and robust LED performance are combined in this modern dark sky luminaire.

### FEATURES

- ETL & cETL listed for wet locations. IP65
- Interior light and down light
- Low profile design
- Replaceable LED module
- 277V option available *special order*
- 50,000 hour potential life
- **Color Temp: 3000K**
- **CRI: 85**

### SPECIFICATIONS

**Construction:** Aluminum.

**Power:** No driver or transformer required.

**Light Source:** High output LED.

**Dimming:** Dims to 10% with an electronic low voltage (ELV) dimmer.

**Mounting:** Mounts directly to junction box.

**Finish:** Black (BK), Bronze (BZ), Graphite (GH), White (WT).

**Standards:** ETL & cETL listed. ADA compliant. Dark Sky friendly. IP65. Wet location.

### ORDER NUMBER

Model	Height	Watt	# of LEDs	LED Lumens	Photometric Lumens	Finish
<b>WS-W11</b>	<b>10</b> 10"	12W	3	720	370	<b>BK</b> Black
	<b>16</b> 16"	16W	4	960	490	<b>BZ</b> Bronze
	<b>22</b> 22"	20W	5	1200	610	<b>GH</b> Graphite <b>WT</b> White

**WS-W11**  -

Example: **WS-W1116-GH**

For 277V special order, add an "F" before the finish: **WS-W1116F-GH**

### REPLACEMENT GLASS

Model	Fixture	Description
<b>RPL-GLA-1110-01</b>	WS-W1110	Top Lens
<b>RPL-GLA-1110-02</b>		Bottom Lens
<b>RPL-GLA-1116-01</b>	WS-W1116	Top Lens
<b>RPL-GLA-1116-02</b>		Bottom Lens
<b>RPL-GLA-1122-01</b>	WS-W1122	Top Lens
<b>RPL-GLA-1122-02</b>		Bottom Lens

### Back Plate Dimensions:

Model	Dimension
<b>WS-W1110</b>	10"L x 7"W x 2"H
<b>WS-W1116</b>	18"L x 7"W x 2"H
<b>WS-W1122</b>	22"L x 8"W x 2"H

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