

7
Express
CAR WASH

Our Best
Wax Service!



Includes 'Ultimate' plus:

- Lava Bath
- Tire Shine
- Waterfall
- Lava Shield Wax

Field
Time
9

mate
9

Includes 'Deluxe' plus:

- 'Rain-X' for Rims
- Triple Coat Polish
- Lustra Shield
(Bug & Water Repellant)

ixe
9

Includes 'Exterior' plus:

- Rim Cleaner
- Underbody Flush
- Clear Coat Sealant

rior
99

- Spot Free Rinse

Clearance 7'2"



BAY DOOR SOLUTIONS THAT PUT YOU IN CONTROL



BAY DOOR SOLUTIONS

- ▶ Remote Access
- ▶ Vinyl Doors
- ▶ Polycarbonate Doors
- ▶ Bay Banner



INTELLIWATCH PREMIUM OPERATING SYSTEM

BayWatch is the only company that keeps you in touch with your car wash bay at all times and provides alerts if the doors or heater ever fail. A car wash door that stays up or a heater failure can freeze your car wash equipment and can cost you thousands of dollars in repairs. IntelliWatch puts those concerns to rest.



In addition to all of the advanced features found in the standard operating system, the IntelliWatch premium operating system provides:

- **Single Thermostat Control** – Links doors, heaters and heat mats together with a single thermostat. This eliminates freeze-ups and unnecessary heat output due to tampering with temperature settings
- **In-Store Monitoring** – Provides live status of the wash bay with an easy to read backlit display and the ability to operate doors without physically going out to the wash bay. An in-store alert sounds if the bay doors fail to close or the bay heat drops below its set temperature. This eliminates photo eye failures without your knowledge that leave the bay doors up and cause the wash to freeze
- **Time / Temp Control** – Operates under automatic time or temperature. Temperature will automatically override time mode if the temperature drops below its set level
- **Door Isolation Control** – Allows each door to operate individually, i.e. one door on time and one door on temperature control if desired
- **Car Wash Interface Included** – Eliminates the need for the manufacturer car wash door interface kit, photo eyes and /or floor loop (saving you as much as \$4,000)

STANDARD OPERATING SYSTEM

The BayWatch standard operating system raises the bar in car wash door technology. In addition to the standard features found in our competitor's offering, the BayWatch standard operating system also provides:

- **Programmable Adjustable Door Height** – Unlike the competition, the door height can be programmed to any height and does not require ordering an additional lift kit
- **Variable Speed Drive** – Allows for high speed during normal door function. Also gives immediate reduced speed, when photo eye is broken, to prevent damage claims
- **Manually Raise Door** – Door can be raised by hand if power were lost on site. This prevents trapping a customer in the wash bay

REMOTE ACCESS



PUTS YOU IN CONTROL

BayWatch now offers the ability to add remote monitoring to our premium operating system. It allows live access when you are away from your car wash site. Benefits include:

Increased Uptime

- Instant e-mail alerts to owner and/or service provider of any door or heater failures
- Service provider can diagnose remotely to reduce downtime and possibly avoid unnecessary service calls
- Virtually eliminates bay freeze-ups and costly repairs

Bay Control

- The mobility to instantly make changes to your door and heater configuration
- Works with any laptop, tablet or smartphone

BAYWATCH QUALITY

Regardless of the door or operating system chosen, BayWatch engineers unparalleled quality into every product sold. We deliver a completely enclosed direct shaft driven operating system, to specifically withstand cold and wet environments, in all our door packages. The NEMA 4 rated, 1/2 hp waterproof gearbox and motor assembly gives consistent reliability in the harshest car wash climates. Unlike air driven operators, BayWatch operators open and close in one smooth motion. Reversing the door at high speeds are done with ease, which can extend the life of your doors.

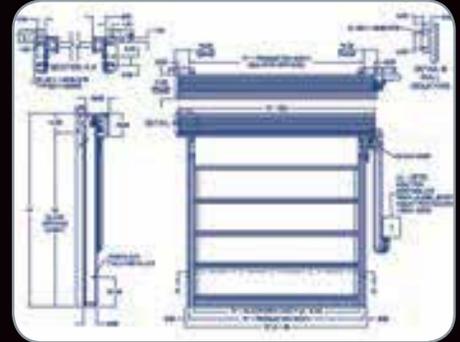


VINYL DOOR

The BayFlex door was developed specifically for harsh car wash environments. With corrosion-resistant materials and a Break-Away design, it is engineered for high-volume car wash applications that demand low-maintenance doors. The design eliminates pneumatics, cables, springs, hinges, belts, drums, pulleys and other parts for years of trouble-free operation.

Vinyl Roll-Up Car Wash Door

- **Break-Away™ Design**
- **Easy Individual Panel Replacement**
- **Heat Retention**
- **Corrosion Resistance**
- **Visibility and Light**

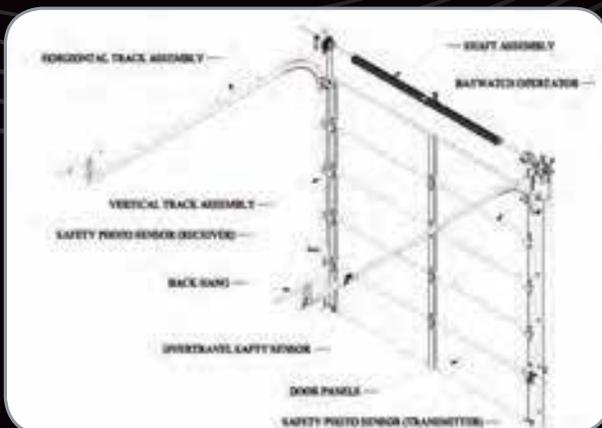


Panel Colors

	Clear Vision Panel		Green (DC-24)
	Royal Blue (DC-46)		Yellow (DC-42)
	Red (DC-2)		White (DC-6)
	Black (DC-7)		Grey (DC-4)
			Orange (DC-70)

POLYCARBONATE DOOR

The BayWatch polycarbonate door provides the top level of security and heat retention. It's triple wall polycarbonate panels and anodized aluminum door panel frames give you the highest quality finish in the industry. Only the most durable and highest grade door parts, such as a stainless steel shaft and brackets, plastic hinges and stainless steel zerk bearings are used. Full vision panels, for optimal visibility, and custom doors for any bay size, are also available.



Polycarbonate Car Wash Door

- **Greatest Security**
- **Highest Heat Retention**
- **Corrosion Resistance Hardware**
- **Visibility and Light**



About Baywatch Enterprises, LLC

Baywatch Enterprises has been building "best-in-class" doors and monitoring systems for the car wash industry since 1995. We are a full-service manufacturer providing design, construction, installation and direct territory service to industry leaders such as BP, Circle K, ConocoPhillips, ExxonMobil, Speedway, Shell and Valero as well as distribution through all the major car wash manufacturers. Baywatch doors, widely known for superior design, construction and quality especially in harsh weather environments, can be found worldwide, including the United States, Canada and Russia.

CONTACT INFORMATION

For All Sales Information Please Contact Us At

p: 888.235.0800

p: 303.400.3466

e: sales@baywatchdoors.com

Denver, CO

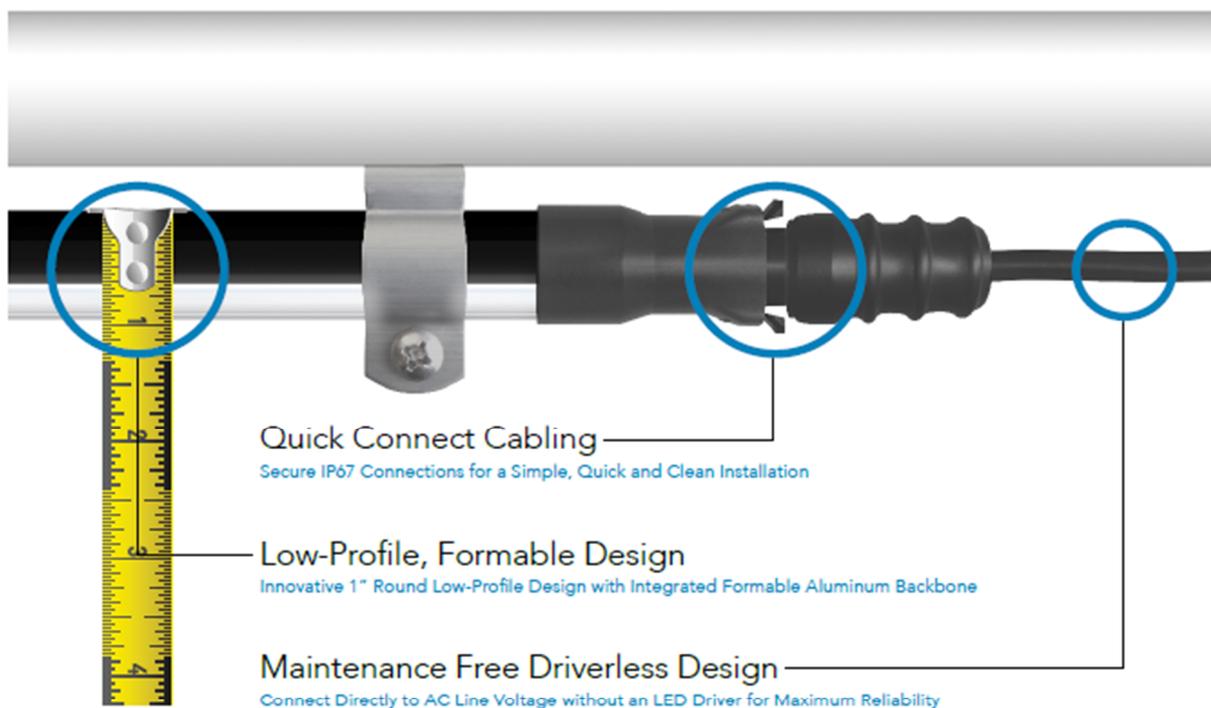
www.baywatchdoors.com



WWW.BAYWATCHDOORS.COM

888.235.0800

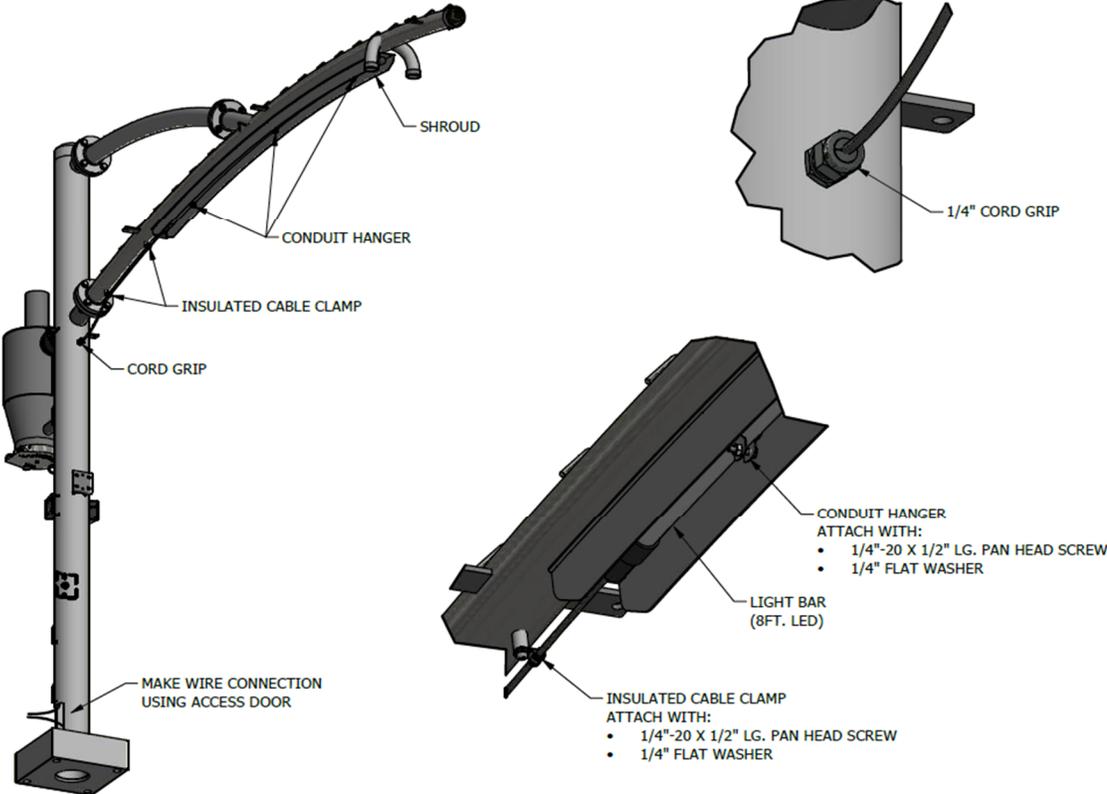
LED VACUUM AREA & CANOPY LIGHTING



Lumen & Power Data

Length	Lumens	Wattage	Amps @120V	Amps @277V
6-Foot Fixture	3600	27	0.225	0.097
8-Foot Fixture	4800	36	0.300	0.130

HALF PALM ARCH - LIGHT INSTALLATION W/ SHROUD





d^{series}

D-Series Size 1

Legacy LED Area Luminaire

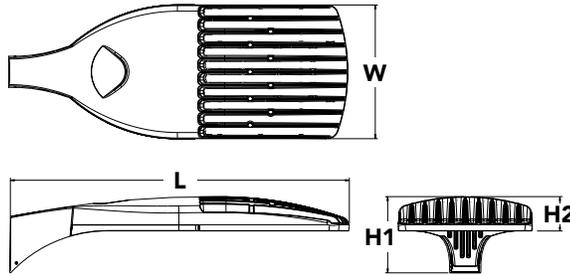


Catalog Number	
Notes	
Type	L9

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

Specifications

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



Introduction

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

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

Ordering Information

EXAMPLE: DSX1 LED P7 40K T3M MVOLT SPA NLTAIR2 PIRHN DDBXD G1

Series	LEDs	Color temperature	Distribution	Voltage	Mounting	
DSX1 LED	Forward optics P1 P4 ¹ P7 ¹ P2 P5 ¹ P8 P3 P6 ¹ P9 ¹ Rotated optics P10 ² P12 ² P11 ² P13 ^{1,2}	30K 3000 K 40K 4000 K 50K 5000 K	T1S Type I short (Automotive) T2S Type II short T2M Type II medium T3S Type III short T3M Type III medium T4M Type IV medium TFTM Forward throw medium	T5VS Type V very short ³ T5S Type V short ³ TSM Type V medium ³ TSW Type V wide ³ BLC Backlight control ⁴ LCCO Left corner cutoff ⁴ RCCO Right corner cutoff ⁴	MVOLT⁵ XVOLT (277V-480V) ^{6,7,8} 120 ⁹ 208 ⁹ 240 ⁹ 277 ⁹ 347 ⁹ 480 ⁹	Shipped included SPA Square pole mounting RPA Round pole mounting ¹⁰ WBA Wall bracket ³ SPUMBA Square pole universal mounting adaptor ¹¹ RPUMBA Round pole universal mounting adaptor ⁹ Shipped separately KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) ¹²

Control options	Other options	Finish (required)	Generation (required)
Shipped installed NLTAIR2 nLight AIR generation 2 enabled ¹³ PIRHN Network, high/low motion/ambient sensor ¹⁴ PER NEMA twist-lock receptacle only (controls ordered separately) ¹⁵ PER5 Five-pin receptacle only (controls ordered separately) ^{15,16} PER7 Seven-pin receptacle only (controls ordered separately) ^{15,16} DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) ¹⁷ DS Dual switching ^{18,19,20}	Shipped installed HS House-side shield ²³ SF Single fuse (120, 277, 347V) ⁹ DF Double fuse (208, 240, 480V) ⁹ L90 Left rotated optics ² R90 Right rotated optics ² HA 50°C ambient operations ¹ BAA Buy America(n) Act Compliant Shipped separately BS Bird spikes ²⁴ EGS External glare shield	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze DBLTXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white	G1 Generation 1



Ordering Information

Accessories

Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ²⁵
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ²⁵
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ²⁵
DSHORT SBK U	Shorting cap ²⁵
DSX1HS 30C G1 U	House-side shield for P1, P2, P3, P4 and P5 ²³
DSX1HS 40C G1 U	House-side shield for P6 and P7 ²³
DSX1HS 60C G1 U	House-side shield for P8, P9, P10, P11 and P12 ²³
PUMBA DDBXD G1 U*	Square and round pole universal mounting bracket (specify finish) ²⁵
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) ¹²
DSX1EGS (FINISH) G1 U	External glare shield

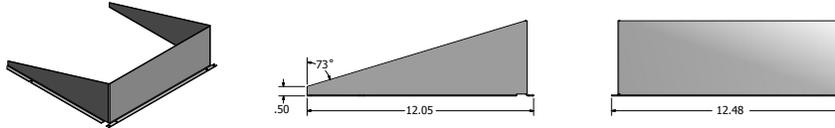
For more control options, visit [DTL](#) and [ROAM](#) online.

NOTES

- 1 HA not available with P4, P5, P6, P7, P9 and P13.
- 2 P10, P11, P12 or P13 and rotated optics (L90, R90) only available together.
- 3 Any Type 5 distribution with photocell, is not available with WBA.
- 4 Not available with HS.
- 5 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- 6 XVOLT only suitable for use with P3, P5, P6, P7, P9 and P13.
- 7 XVOLT works with any voltage between 277V and 480V.
- 8 XVOLT not available with fusing (SF or DF) and not available with PIR, PIRH, PIR1FC3V, PIRH1FC3V.
- 9 Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V. XVOLT not available with fusing (SF or DF).
- 10 Suitable for mounting to round poles between 3.5" and 12" diameter.
- 11 Universal mounting brackets intended for retrofit on existing, pre-drilled poles only. 1.5 G vibration load rating per ANCI C136.31. Only usable when pole's drill pattern is NOT Lithonia template #8.
- 12 Must order fixture with SPA option. KMA8 must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" diameter mast arm (not included).
- 13 Must be ordered with PIRHN. Sensor cover available only in dark bronze, black, white and natural aluminum colors.
- 14 Must be ordered with NLTAR2. For more information on nLight Air 2 visit [this link](#).
- 15 Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting cap included.
- 16 If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Node with integral dimming.
- 17 DMG not available with PIRHN, PER5, PER7, PIR, PIRH, PIR1FC3V or PIRH1FC3V, FAO.
- 18 Provides 50/50 fixture operation via (2) independent drivers. Not available with PER, PER5, PER7, PIR or PIRH. Not available P1, P2, P3, P4 or P5.
- 19 Requires (2) separately switched circuits.
- 20 Reference Controls Options table on page 4.
- 21 Reference Motion Sensor default settings table on page 4 to see functionality.
- 22 Not available with other dimming controls options.
- 23 Not available with BLC, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
- 24 Must be ordered with fixture for factory pre-drilling.
- 25 Requires luminaire to be specified with PER, PER5 or PER7 option. See Control Option Table on page 4.
- 26 For retrofit use only. Only usable when pole's drill pattern is NOT Lithonia template #8.

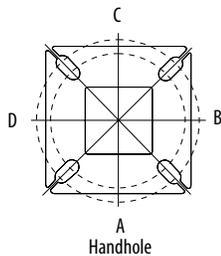
Options

EGS - External Glare Shield



Drilling

HANDHOLE ORIENTATION



Tenon Mounting Slipfitter

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

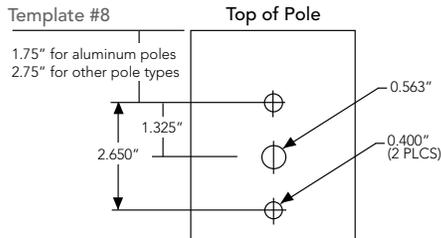
Mounting Option	Drilling Template	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS

DSX1 Area Luminaire - EPA

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

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

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



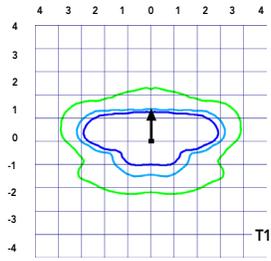
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [D-Series Area Size 1 homepage](#).

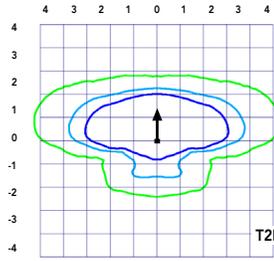
Isofootcandle plots for the DSX1 LED P7 40K G1. Distances are in units of mounting height (25').

LEGEND

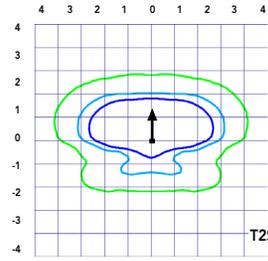
- 0.1 fc
- 0.5 fc
- 1.0 fc



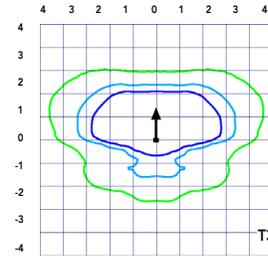
Test No. LTL23211 tested in accordance with IESNA LM-79-08.



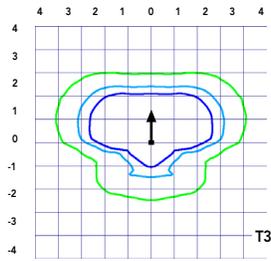
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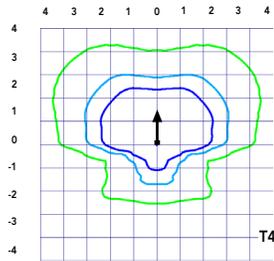
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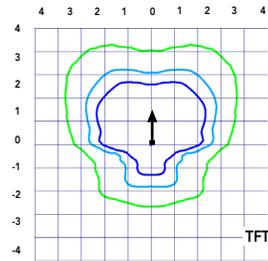
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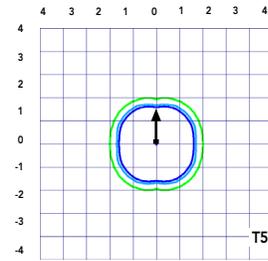
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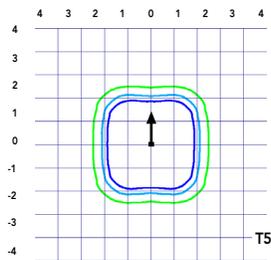
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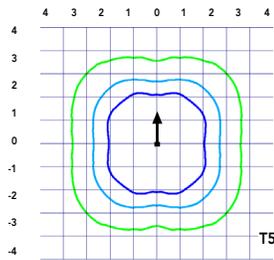
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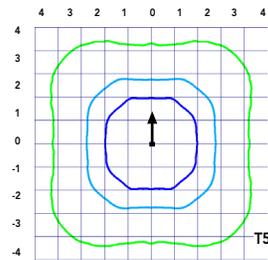
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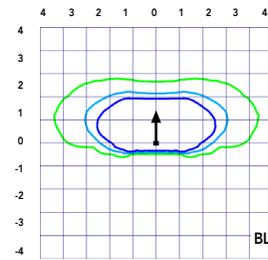
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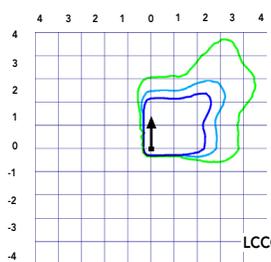
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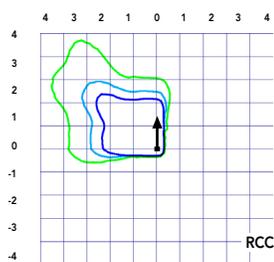
Test No. LTL23222 tested in accordance with IESNA LM-79-08.



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



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



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

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
25°C	77°F	1.00
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
0	1.00
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

	Performance Package	LED Count	Drive Current	Wattage	Current (A)					
					120	208	240	277	347	480
Forward Optics (Non-Rotated)	P1	30	530	54	0.45	0.26	0.23	0.19	0.10	0.12
	P2	30	700	70	0.59	0.34	0.30	0.25	0.20	0.16
	P3	30	1050	102	0.86	0.50	0.44	0.38	0.30	0.22
	P4	30	1250	125	1.06	0.60	0.52	0.46	0.37	0.27
	P5	30	1400	138	1.16	0.67	0.58	0.51	0.40	0.29
	P6	40	1250	163	1.36	0.78	0.68	0.59	0.47	0.34
	P7	40	1400	183	1.53	0.88	0.76	0.66	0.53	0.38
	P8	60	1050	207	1.74	0.98	0.87	0.76	0.64	0.49
	P9	60	1250	241	2.01	1.16	1.01	0.89	0.70	0.51
Rotated Optics (Requires L90 or R90)	P10	60	530	106	0.90	0.52	0.47	0.43	0.33	0.27
	P11	60	700	137	1.15	0.67	0.60	0.53	0.42	0.32
	P12	60	1050	207	1.74	0.99	0.87	0.76	0.60	0.46
	P13	60	1250	231	1.93	1.12	0.97	0.86	0.67	0.49

Controls Options

Nomenclature	Description	Functionality	Primary control device	Notes
FA0	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.	FA0 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.

Forward Optics																			
LED Count	Drive Current	Power Package	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
30	530	P1	54W	T1S	6,457	2	0	2	120	6,956	2	0	2	129	7,044	2	0	2	130
				T2S	6,483	1	0	1	120	6,984	2	0	2	129	7,072	2	0	2	131
				T2M	6,450	2	0	2	119	6,948	2	0	2	129	7,036	2	0	2	130
				T3S	6,468	1	0	2	120	6,967	1	0	2	129	7,055	1	0	2	131
				T3M	6,279	2	0	2	116	6,764	2	0	2	125	6,849	2	0	2	127
				T4M	6,327	1	0	2	117	6,816	1	0	2	126	6,902	1	0	2	128
				TFTM	6,464	1	0	2	120	6,963	1	0	2	129	7,051	1	0	2	131
				T5VS	6,722	2	0	0	124	7,242	3	0	0	134	7,334	3	0	0	136
				T5S	6,728	2	0	1	125	7,248	2	0	1	134	7,340	2	0	1	136
				T5M	6,711	3	0	1	124	7,229	3	0	1	134	7,321	3	0	2	136
				T5W	6,667	3	0	2	123	7,182	3	0	2	133	7,273	3	0	2	135
				BLC	5,299	1	0	1	98	5,709	1	0	2	106	5,781	1	0	2	107
				LCCO	3,943	1	0	2	73	4,248	1	0	2	79	4,302	1	0	2	80
				RCCO	3,943	1	0	2	73	4,248	1	0	2	79	4,302	1	0	2	80
				30	700	P2	70W	T1S	8,249	2	0	2	118	8,886	2	0	2	127	8,999
T2S	8,282	2	0					2	118	8,923	2	0	2	127	9,035	2	0	2	129
T2M	8,240	2	0					2	118	8,877	2	0	2	127	8,989	2	0	2	128
T3S	8,262	2	0					2	118	8,901	2	0	2	127	9,013	2	0	2	129
T3M	8,021	2	0					2	115	8,641	2	0	2	123	8,750	2	0	2	125
T4M	8,083	2	0					2	115	8,708	2	0	2	124	8,818	2	0	2	126
TFTM	8,257	2	0					2	118	8,896	2	0	2	127	9,008	2	0	2	129
T5VS	8,588	3	0					0	123	9,252	3	0	0	132	9,369	3	0	0	134
T5S	8,595	3	0					1	123	9,259	3	0	1	132	9,376	3	0	1	134
T5M	8,573	3	0					2	122	9,236	3	0	2	132	9,353	3	0	2	134
T5W	8,517	3	0					2	122	9,175	4	0	2	131	9,291	4	0	2	133
BLC	6,770	1	0					2	97	7,293	1	0	2	104	7,386	1	0	2	106
LCCO	5,038	1	0					2	72	5,427	1	0	2	78	5,496	1	0	2	79
RCCO	5,038	1	0					2	72	5,427	1	0	2	78	5,496	1	0	2	79
30	1050	P3	102W					T1S	11,661	2	0	2	114	12,562	3	0	3	123	12,721
				T2S	11,708	2	0	2	115	12,612	2	0	2	124	12,772	2	0	2	125
				T2M	11,648	2	0	2	114	12,548	3	0	3	123	12,707	3	0	3	125
				T3S	11,679	2	0	2	115	12,582	2	0	2	123	12,741	2	0	2	125
				T3M	11,338	2	0	2	111	12,214	3	0	3	120	12,369	3	0	3	121
				T4M	11,426	2	0	3	112	12,309	2	0	3	121	12,465	2	0	3	122
				TFTM	11,673	2	0	2	114	12,575	2	0	3	123	12,734	2	0	3	125
				T5VS	12,140	3	0	1	119	13,078	3	0	1	128	13,244	3	0	1	130
				T5S	12,150	3	0	1	119	13,089	3	0	1	128	13,254	3	0	1	130
				T5M	12,119	4	0	2	119	13,056	4	0	2	128	13,221	4	0	2	130
				T5W	12,040	4	0	3	118	12,970	4	0	3	127	13,134	4	0	3	129
				BLC	9,570	1	0	2	94	10,310	1	0	2	101	10,440	1	0	2	102
				LCCO	7,121	1	0	3	70	7,671	1	0	3	75	7,768	1	0	3	76
				RCCO	7,121	1	0	3	70	7,671	1	0	3	75	7,768	1	0	3	76
				30	1250	P4	125W	T1S	13,435	3	0	3	107	14,473	3	0	3	116	14,657
T2S	13,489	2	0					2	108	14,532	3	0	3	116	14,716	3	0	3	118
T2M	13,420	3	0					3	107	14,457	3	0	3	116	14,640	3	0	3	117
T3S	13,457	2	0					2	108	14,496	2	0	2	116	14,680	2	0	2	117
T3M	13,064	3	0					3	105	14,073	3	0	3	113	14,251	3	0	3	114
T4M	13,165	2	0					3	105	14,182	2	0	3	113	14,362	2	0	3	115
TFTM	13,449	2	0					3	108	14,488	2	0	3	116	14,672	2	0	3	117
T5VS	13,987	4	0					1	112	15,068	4	0	1	121	15,259	4	0	1	122
T5S	13,999	3	0					1	112	15,080	3	0	1	121	15,271	3	0	1	122
T5M	13,963	4	0					2	112	15,042	4	0	2	120	15,233	4	0	2	122
T5W	13,872	4	0					3	111	14,944	4	0	3	120	15,133	4	0	3	121
BLC	11,027	1	0					2	88	11,879	1	0	2	95	12,029	1	0	2	96
LCCO	8,205	1	0					3	66	8,839	1	0	3	71	8,951	1	0	3	72
RCCO	8,205	1	0					3	66	8,839	1	0	3	71	8,951	1	0	3	72
30	1400	P5	138W					T1S	14,679	3	0	3	106	15,814	3	0	3	115	16,014
				T2S	14,739	3	0	3	107	15,878	3	0	3	115	16,079	3	0	3	117
				T2M	14,663	3	0	3	106	15,796	3	0	3	114	15,996	3	0	3	116
				T3S	14,703	2	0	3	107	15,839	3	0	3	115	16,039	3	0	3	116
				T3M	14,274	3	0	3	103	15,377	3	0	3	111	15,571	3	0	3	113
				T4M	14,384	2	0	3	104	15,496	3	0	3	112	15,692	3	0	3	114
				TFTM	14,695	2	0	3	106	15,830	3	0	3	115	16,030	3	0	3	116
				T5VS	15,283	4	0	1	111	16,464	4	0	1	119	16,672	4	0	1	121
				T5S	15,295	3	0	1	111	16,477	4	0	1	119	16,686	4	0	1	121
				T5M	15,257	4	0	2	111	16,435	4	0	2	119	16,644	4	0	2	121
				T5W	15,157	4	0	3	110	16,328	4	0	3	118	16,534	4	0	3	120
				BLC	12,048	1	0	2	87	12,979	1	0	2	94	13,143	1	0	2	95
				LCCO	8,965	1	0	3	65	9,657	1	0	3	70	9,780	1	0	3	71
				RCCO	8,965	1	0	3	65	9,657	1	0	3	70	9,780	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																							
LED Count	Drive Current	Power Package	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				
40	1250	P6	163W	T1S	17,654	3	0	3	108	19,018	3	0	3	117	19,259	3	0	3	118				
				T2S	17,725	3	0	3	109	19,095	3	0	3	117	19,336	3	0	3	119				
				T2M	17,634	3	0	3	108	18,997	3	0	3	117	19,237	3	0	3	118				
				T3S	17,682	3	0	3	108	19,048	3	0	3	117	19,289	3	0	3	118				
				T3M	17,166	3	0	3	105	18,492	3	0	3	113	18,726	3	0	3	115				
				T4M	17,299	3	0	3	106	18,635	3	0	4	114	18,871	3	0	4	116				
				TFTM	17,672	3	0	3	108	19,038	3	0	4	117	19,279	3	0	4	118				
				TSVS	18,379	4	0	1	113	19,800	4	0	1	121	20,050	4	0	1	123				
				T5S	18,394	4	0	2	113	19,816	4	0	2	122	20,066	4	0	2	123				
				T5M	18,348	4	0	2	113	19,766	4	0	2	121	20,016	4	0	2	123				
				TSW	18,228	5	0	3	112	19,636	5	0	3	120	19,885	5	0	3	122				
				BLC	14,489	2	0	2	89	15,609	2	0	3	96	15,806	2	0	3	97				
				LCCO	10,781	1	0	3	66	11,614	1	0	3	71	11,761	2	0	3	72				
				RCCO	10,781	1	0	3	66	11,614	1	0	3	71	11,761	2	0	3	72				
				40	1400	P7	183W	T1S	19,227	3	0	3	105	20,712	3	0	3	113	20,975	3	0	3	115
								T2S	19,304	3	0	3	105	20,796	3	0	3	114	21,059	3	0	3	115
T2M	19,205	3	0					3	105	20,689	3	0	3	113	20,951	3	0	3	114				
T3S	19,257	3	0					3	105	20,745	3	0	3	113	21,008	3	0	3	115				
T3M	18,695	3	0					3	102	20,140	3	0	3	110	20,395	3	0	4	111				
T4M	18,840	3	0					4	103	20,296	3	0	4	111	20,553	3	0	4	112				
TFTM	19,246	3	0					4	105	20,734	3	0	4	113	20,996	3	0	4	115				
TSVS	20,017	4	0					1	109	21,564	4	0	1	118	21,837	4	0	1	119				
T5S	20,033	4	0					2	109	21,581	4	0	2	118	21,854	4	0	2	119				
T5M	19,983	4	0					2	109	21,527	5	0	3	118	21,799	5	0	3	119				
TSW	19,852	5	0					3	108	21,386	5	0	3	117	21,656	5	0	3	118				
BLC	15,780	2	0					3	86	16,999	2	0	3	93	17,214	2	0	3	94				
LCCO	11,742	2	0					3	64	12,649	2	0	3	69	12,809	2	0	3	70				
RCCO	11,742	2	0					3	64	12,649	2	0	3	69	12,809	2	0	3	70				
60	1050	P8	207W					T1S	22,490	3	0	3	109	24,228	3	0	3	117	24,535	3	0	3	119
								T2S	22,581	3	0	3	109	24,326	3	0	3	118	24,634	3	0	3	119
				T2M	22,465	3	0	4	109	24,201	3	0	4	117	24,507	3	0	4	119				
				T3S	22,526	3	0	4	109	24,267	3	0	4	117	24,574	3	0	4	119				
				T3M	21,869	3	0	4	106	23,558	3	0	4	114	23,857	3	0	4	115				
				T4M	22,038	3	0	4	106	23,741	3	0	4	115	24,041	3	0	4	116				
				TFTM	22,513	3	0	4	109	24,253	3	0	4	117	24,560	3	0	4	119				
				TSVS	23,415	5	0	1	113	25,224	5	0	1	122	25,543	5	0	1	123				
				T5S	23,434	4	0	2	113	25,244	4	0	2	122	25,564	4	0	2	123				
				T5M	23,374	5	0	3	113	25,181	5	0	3	122	25,499	5	0	3	123				
				TSW	23,221	5	0	4	112	25,016	5	0	4	121	25,332	5	0	4	122				
				BLC	18,458	2	0	3	89	19,885	2	0	3	96	20,136	2	0	3	97				
				LCCO	13,735	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72				
				RCCO	13,735	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72				
				60	1250	P9	241W	T1S	25,575	3	0	3	106	27,551	3	0	3	114	27,900	3	0	3	116
								T2S	25,678	3	0	3	107	27,663	3	0	3	115	28,013	3	0	3	116
T2M	25,547	3	0					4	106	27,521	3	0	4	114	27,869	3	0	4	116				
T3S	25,616	3	0					4	106	26,791	3	0	4	111	27,945	3	0	4	116				
T3M	24,868	3	0					4	103	27,597	3	0	4	115	27,129	3	0	4	113				
T4M	25,061	3	0					4	104	26,997	3	0	4	112	27,339	3	0	4	113				
TFTM	25,602	3	0					4	106	27,580	3	0	4	114	27,929	3	0	4	116				
TSVS	26,626	5	0					1	110	28,684	5	0	1	119	29,047	5	0	1	121				
T5S	26,648	4	0					2	111	28,707	5	0	2	119	29,070	5	0	2	121				
T5M	26,581	5	0					3	110	28,635	5	0	3	119	28,997	5	0	3	120				
TSW	26,406	5	0					4	110	28,447	5	0	4	118	28,807	5	0	4	120				
BLC	20,990	2	0					3	87	22,612	2	0	3	94	22,898	2	0	3	95				
LCCO	15,619	2	0					4	65	16,825	2	0	4	70	17,038	2	0	4	71				
RCCO	15,619	2	0					4	65	16,825	2	0	4	70	17,038	2	0	4	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.

Rotated Optics																			
LED Count	Drive Current	Power Package	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
60	530	P10	106W	T1S	13,042	3	0	3	123	14,050	3	0	3	133	14,228	3	0	3	134
				T2S	13,200	3	0	3	125	14,220	3	0	3	134	14,400	3	0	3	136
				T2M	12,966	4	0	4	122	13,968	4	0	4	132	14,145	4	0	4	133
				T3S	13,193	4	0	4	124	14,212	4	0	4	134	14,392	4	0	4	136
				T3M	12,766	4	0	4	120	13,751	4	0	4	130	13,925	4	0	4	131
				T4M	12,944	4	0	4	122	13,945	4	0	4	132	14,121	4	0	4	133
				TFTM	13,279	4	0	4	125	14,305	4	0	4	135	14,486	4	0	4	137
				TSVS	13,372	3	0	1	126	14,405	4	0	1	136	14,588	4	0	1	138
				T5S	13,260	3	0	1	125	14,284	3	0	1	135	14,465	3	0	1	136
				T5M	13,256	4	0	2	125	14,281	4	0	2	135	14,462	4	0	2	136
				TSW	13,137	4	0	3	124	14,153	4	0	3	134	14,332	4	0	3	135
				BLC	10,906	3	0	3	103	11,749	3	0	3	111	11,898	3	0	3	112
				LCCO	7,789	1	0	3	73	8,391	1	0	3	79	8,497	1	0	3	80
				RCCO	7,779	4	0	4	73	8,380	4	0	4	79	8,486	4	0	4	80
60	700	P11	137W	T1S	16,556	3	0	3	121	17,835	3	0	3	130	18,061	4	0	4	132
				T2S	16,757	4	0	4	122	18,052	4	0	4	132	18,280	4	0	4	133
				T2M	16,460	4	0	4	120	17,732	4	0	4	129	17,956	4	0	4	131
				T3S	16,747	4	0	4	122	18,041	4	0	4	132	18,270	4	0	4	133
				T3M	16,204	4	0	4	118	17,456	4	0	4	127	17,677	4	0	4	129
				T4M	16,432	4	0	4	120	17,702	4	0	4	129	17,926	4	0	4	131
				TFTM	16,857	4	0	4	123	18,159	4	0	4	133	18,389	4	0	4	134
				TSVS	16,975	4	0	1	124	18,287	4	0	1	133	18,518	4	0	1	135
				T5S	16,832	4	0	1	123	18,133	4	0	2	132	18,362	4	0	2	134
				T5M	16,828	4	0	2	123	18,128	4	0	2	132	18,358	4	0	2	134
				TSW	16,677	4	0	3	122	17,966	5	0	3	131	18,193	5	0	3	133
				BLC	13,845	3	0	3	101	14,915	3	0	3	109	15,103	3	0	3	110
				LCCO	9,888	1	0	3	72	10,652	2	0	3	78	10,787	2	0	3	79
				RCCO	9,875	4	0	4	72	10,638	4	0	4	78	10,773	4	0	4	79
60	1050	P12	207W	T1S	22,996	4	0	4	111	24,773	4	0	4	120	25,087	4	0	4	121
				T2S	23,276	4	0	4	112	25,074	4	0	4	121	25,392	4	0	4	123
				T2M	22,863	4	0	4	110	24,630	5	0	5	119	24,941	5	0	5	120
				T3S	23,262	4	0	4	112	25,060	4	0	4	121	25,377	4	0	4	123
				T3M	22,508	4	0	4	109	24,247	5	0	5	121	24,554	5	0	5	119
				T4M	22,824	5	0	5	110	24,588	5	0	5	119	24,899	5	0	5	120
				TFTM	23,414	5	0	5	113	25,223	5	0	5	122	25,543	5	0	5	123
				TSVS	23,579	5	0	1	114	25,401	5	0	1	123	25,722	5	0	1	124
				T5S	23,380	4	0	2	113	25,187	4	0	2	122	25,506	4	0	2	123
				T5M	23,374	5	0	3	113	25,181	5	0	3	122	25,499	5	0	3	123
				TSW	23,165	5	0	4	112	24,955	5	0	4	121	25,271	5	0	4	122
				BLC	19,231	4	0	4	93	20,717	4	0	4	100	20,979	4	0	4	101
				LCCO	13,734	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72
				RCCO	13,716	4	0	4	66	14,776	4	0	4	71	14,963	4	0	4	72
60	1250	P13	231W	T1S	25,400	4	0	4	110	27,363	4	0	4	118	27,709	4	0	4	120
				T2S	25,709	4	0	4	111	27,695	4	0	4	120	28,046	4	0	4	121
				T2M	25,253	5	0	5	109	27,204	5	0	5	118	27,548	5	0	5	119
				T3S	25,694	5	0	5	111	27,679	5	0	5	120	28,029	5	0	5	121
				T3M	24,861	5	0	5	108	26,782	5	0	5	116	27,121	5	0	5	117
				T4M	25,210	5	0	5	109	27,158	5	0	5	118	27,502	5	0	5	119
				TFTM	25,861	5	0	5	112	27,860	5	0	5	121	28,212	5	0	5	122
				TSVS	26,043	5	0	1	113	28,056	5	0	1	121	28,411	5	0	1	123
				T5S	25,824	4	0	2	112	27,819	5	0	2	120	28,172	5	0	2	122
				T5M	25,818	5	0	3	112	27,813	5	0	3	120	28,165	5	0	3	122
				TSW	25,586	5	0	4	111	27,563	5	0	4	119	27,912	5	0	4	121
				BLC	21,241	4	0	4	92	22,882	4	0	4	99	23,172	4	0	4	100
				LCCO	15,170	2	0	4	66	16,342	2	0	4	71	16,549	2	0	4	72
				RCCO	15,150	5	0	5	66	16,321	5	0	5	71	16,527	5	0	5	72

FEATURES & SPECIFICATIONS

INTENDED USE

The sleek design of the D-Series Size 1 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

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 drivers are 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 (1.01 ft²) 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 standard 3000 K, 4000 K and 5000 K (70 CRI) configurations. The D-Series Size 1 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 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 DSX1 LED area luminaire has a number of control options. DSX Size 1, comes standard with 0-10V dimming drivers. 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 DSX1 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 1 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 1 utilizes the AERIS™ series pole drilling pattern (template #8). 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 minimum ambient. 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 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 ACT

Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to 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

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.



d^{series}

D-Series Size 1

Legacy LED Area Luminaire

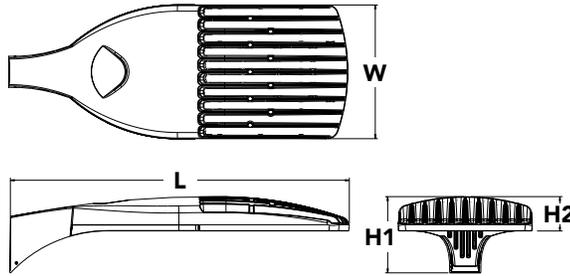


Catalog Number	
Notes	
Type	L10

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

Specifications

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



Introduction

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

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

Ordering Information

EXAMPLE: DSX1 LED P7 40K T3M MVOLT SPA NLTAIR2 PIRHN DDBXD G1

DSX1 LED	Series	LEDs	Color temperature	Distribution	Voltage	Mounting	
	DSX1 LED	Forward optics P1 P4 ¹ P7 ¹ P2 P5 ¹ P8 P3 P6 ¹ P9 ¹ Rotated optics P10 ² P12 ² P11 ² P13 ^{1,2}	30K 3000 K 40K 4000 K 50K 5000 K	T1S Type I short (Automotive) T2S Type II short T2M Type II medium T3S Type III short T3M Type III medium T4M Type IV medium TFTM Forward throw medium	T5VS Type V very short ³ T5S Type V short ³ TSM Type V medium ³ TSW Type V wide ³ BLC Backlight control ⁴ LCCO Left corner cutoff ⁴ RCCO Right corner cutoff ⁴	MVOLT⁵ XVOLT (277V-480V) ^{6,7,8} 120 ⁹ 208 ⁹ 240 ⁹ 277 ⁹ 347 ⁹ 480 ⁹	Shipped included SPA Square pole mounting RPA Round pole mounting ¹⁰ WBA Wall bracket ³ SPUMBA Square pole universal mounting adaptor ¹¹ RPUMBA Round pole universal mounting adaptor ⁹ Shipped separately KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) ¹²

Control options	Other options	Finish (required)	Generation (required)
Shipped installed NLTAIR2 nLight AIR generation 2 enabled ¹³ PIRHN Network, high/low motion/ambient sensor ¹⁴ PER NEMA twist-lock receptacle only (controls ordered separately) ¹⁵ PER5 Five-pin receptacle only (controls ordered separately) ^{15,16} PER7 Seven-pin receptacle only (controls ordered separately) ^{15,16} DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) ¹⁷ DS Dual switching ^{18,19,20}	Shipped installed HS House-side shield ²³ SF Single fuse (120, 277, 347V) ⁹ DF Double fuse (208, 240, 480V) ⁹ L90 Left rotated optics ² R90 Right rotated optics ² HA 50°C ambient operations ¹ BAA Buy America(n) Act Compliant Shipped separately BS Bird spikes ²⁴ EGS External glare shield	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze DBLTXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white	G1 Generation 1



Ordering Information

Accessories

Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ²⁵
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ²⁵
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ²⁵
DSHORT SBK U	Shorting cap ²⁵
DSX1HS 30C G1 U	House-side shield for P1, P2, P3, P4 and P5 ²³
DSX1HS 40C G1 U	House-side shield for P6 and P7 ²³
DSX1HS 60C G1 U	House-side shield for P8, P9, P10, P11 and P12 ²³
PUMBA DDBXD G1 U*	Square and round pole universal mounting bracket (specify finish) ²⁶
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) ¹²
DSX1EGS (FINISH) G1 U	External glare shield

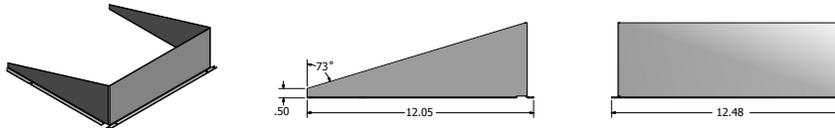
For more control options, visit [DTL](#) and [ROAM](#) online.

NOTES

- HA not available with P4, P5, P6, P7, P9 and P13.
- P10, P11, P12 or P13 and rotated optics (L90, R90) only available together.
- Any Type 5 distribution with photocell, is not available with WBA.
- Not available with HS.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- XVOLT only suitable for use with P3, P5, P6, P7, P9 and P13.
- XVOLT works with any voltage between 277V and 480V.
- XVOLT not available with fusing (SF or DF) and not available with PIR, PIRH, PIR1FC3V, PIRH1FC3V.
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V. XVOLT not available with fusing (SF or DF).
- Suitable for mounting to round poles between 3.5" and 12" diameter.
- Universal mounting brackets intended for retrofit on existing, pre-drilled poles only. 1.5 G vibration load rating per ANCI C136.31. Only usable when pole's drill pattern is NOT Lithonia template #8.
- Must order fixture with SPA option. 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 NLTAR2. For more information on nLight Air 2 visit [this link](#).
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting cap included.
- If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Node with integral dimming.
- DMG not available with PIRHN, PER5, PER7, PIR, PIRH, PIR1FC3V or PIRH1FC3V, FAO.
- Provides 50/50 fixture operation via (2) independent drivers. Not available with PER, PER5, PER7, PIR or PIRH. Not available P1, P2, P3, P4 or P5.
- Requires (2) separately switched circuits.
- Reference Controls Options table on page 4.
- Reference Motion Sensor default settings table on page 4 to see functionality.
- Not available with other dimming controls options.
- Not available with BLC, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
- Must be ordered with fixture for factory pre-drilling.
- Requires luminaire to be specified with PER, PER5 or PER7 option. See Control Option Table on page 4.
- For retrofit use only. Only usable when pole's drill pattern is NOT Lithonia template #8.

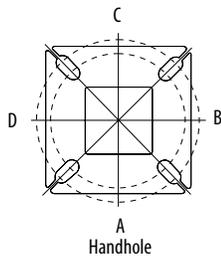
Options

EGS - External Glare Shield



Drilling

HANDHOLE ORIENTATION



Tenon Mounting Slipfitter

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

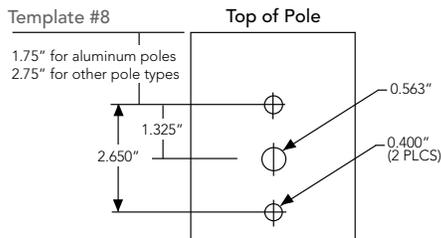
Mounting Option	Drilling Template	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS

DSX1 Area Luminaire - EPA

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

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

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



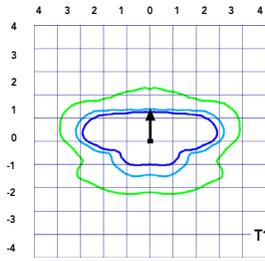
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [D-Series Area Size 1 homepage](#).

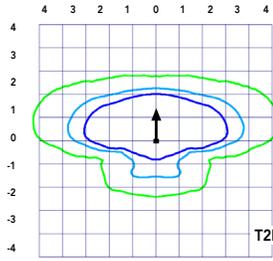
Isofootcandle plots for the DSX1 LED P7 40K G1. Distances are in units of mounting height (25').

LEGEND

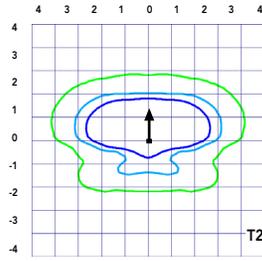
- 0.1 fc
- 0.5 fc
- 1.0 fc



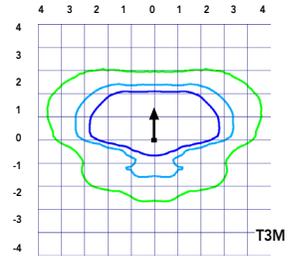
Test No. LT.L23211 tested in accordance with IESNA LM-79-08.



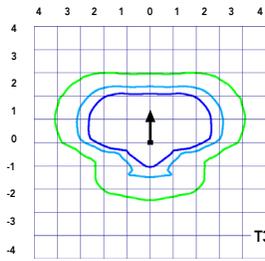
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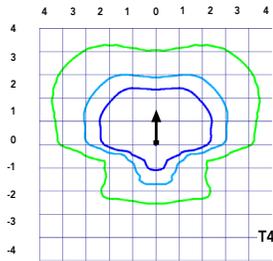
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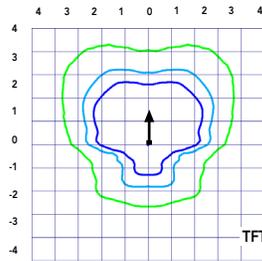
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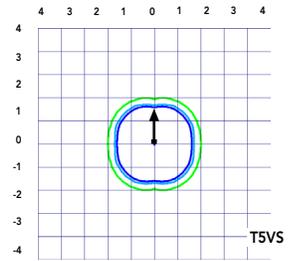
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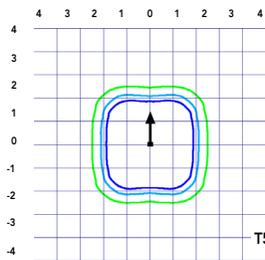
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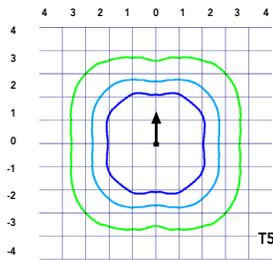
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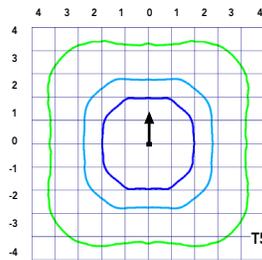
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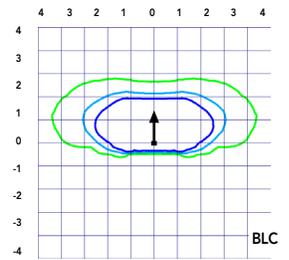
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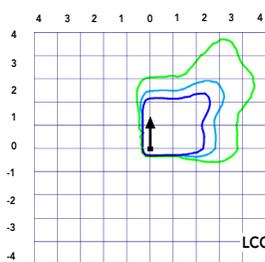
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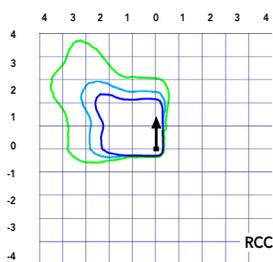
Test No. LT.L23222 tested in accordance with IESNA LM-79-08.



Test No. LT.L23271 tested in accordance with IESNA LM-79-08.



Test No. LT.L23211 tested in accordance with IESNA LM-79-08.



Test No. LT.L23164B tested in accordance with IESNA LM-79-08.

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
25°C	77°F	1.00
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
0	1.00
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

	Performance Package	LED Count	Drive Current	Wattage	Current (A)					
					120	208	240	277	347	480
Forward Optics (Non-Rotated)	P1	30	530	54	0.45	0.26	0.23	0.19	0.10	0.12
	P2	30	700	70	0.59	0.34	0.30	0.25	0.20	0.16
	P3	30	1050	102	0.86	0.50	0.44	0.38	0.30	0.22
	P4	30	1250	125	1.06	0.60	0.52	0.46	0.37	0.27
	P5	30	1400	138	1.16	0.67	0.58	0.51	0.40	0.29
	P6	40	1250	163	1.36	0.78	0.68	0.59	0.47	0.34
	P7	40	1400	183	1.53	0.88	0.76	0.66	0.53	0.38
	P8	60	1050	207	1.74	0.98	0.87	0.76	0.64	0.49
	P9	60	1250	241	2.01	1.16	1.01	0.89	0.70	0.51
Rotated Optics (Requires L90 or R90)	P10	60	530	106	0.90	0.52	0.47	0.43	0.33	0.27
	P11	60	700	137	1.15	0.67	0.60	0.53	0.42	0.32
	P12	60	1050	207	1.74	0.99	0.87	0.76	0.60	0.46
	P13	60	1250	231	1.93	1.12	0.97	0.86	0.67	0.49

Controls Options

Nomenclature	Description	Functionality	Primary control device	Notes
FA0	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.	FA0 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.

Forward Optics																							
LED Count	Drive Current	Power Package	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				
30	530	P1	54W	T1S	6,457	2	0	2	120	6,956	2	0	2	129	7,044	2	0	2	130				
				T2S	6,483	1	0	1	120	6,984	2	0	2	129	7,072	2	0	2	131				
				T2M	6,450	2	0	2	119	6,948	2	0	2	129	7,036	2	0	2	130				
				T3S	6,468	1	0	2	120	6,967	1	0	2	129	7,055	1	0	2	131				
				T3M	6,279	2	0	2	116	6,764	2	0	2	125	6,849	2	0	2	127				
				T4M	6,327	1	0	2	117	6,816	1	0	2	126	6,902	1	0	2	128				
				TFTM	6,464	1	0	2	120	6,963	1	0	2	129	7,051	1	0	2	131				
				T5VS	6,722	2	0	0	124	7,242	3	0	0	134	7,334	3	0	0	136				
				T5S	6,728	2	0	1	125	7,248	2	0	1	134	7,340	2	0	1	136				
				T5M	6,711	3	0	1	124	7,229	3	0	1	134	7,321	3	0	2	136				
				T5W	6,667	3	0	2	123	7,182	3	0	2	133	7,273	3	0	2	135				
				BLC	5,299	1	0	1	98	5,709	1	0	2	106	5,781	1	0	2	107				
				LCCO	3,943	1	0	2	73	4,248	1	0	2	79	4,302	1	0	2	80				
				RCCO	3,943	1	0	2	73	4,248	1	0	2	79	4,302	1	0	2	80				
				30	700	P2	70W	T1S	8,249	2	0	2	118	8,886	2	0	2	127	8,999	2	0	2	129
								T2S	8,282	2	0	2	118	8,923	2	0	2	127	9,035	2	0	2	129
T2M	8,240	2	0					2	118	8,877	2	0	2	127	8,989	2	0	2	128				
T3S	8,262	2	0					2	118	8,901	2	0	2	127	9,013	2	0	2	129				
T3M	8,021	2	0					2	115	8,641	2	0	2	123	8,750	2	0	2	125				
T4M	8,083	2	0					2	115	8,708	2	0	2	124	8,818	2	0	2	126				
TFTM	8,257	2	0					2	118	8,896	2	0	2	127	9,008	2	0	2	129				
T5VS	8,588	3	0					0	123	9,252	3	0	0	132	9,369	3	0	0	134				
T5S	8,595	3	0					1	123	9,259	3	0	1	132	9,376	3	0	1	134				
T5M	8,573	3	0					2	122	9,236	3	0	2	132	9,353	3	0	2	134				
T5W	8,517	3	0					2	122	9,175	4	0	2	131	9,291	4	0	2	133				
BLC	6,770	1	0					2	97	7,293	1	0	2	104	7,386	1	0	2	106				
LCCO	5,038	1	0					2	72	5,427	1	0	2	78	5,496	1	0	2	79				
RCCO	5,038	1	0					2	72	5,427	1	0	2	78	5,496	1	0	2	79				
30	1050	P3	102W					T1S	11,661	2	0	2	114	12,562	3	0	3	123	12,721	3	0	3	125
								T2S	11,708	2	0	2	115	12,612	2	0	2	124	12,772	2	0	2	125
				T2M	11,648	2	0	2	114	12,548	3	0	3	123	12,707	3	0	3	125				
				T3S	11,679	2	0	2	115	12,582	2	0	2	123	12,741	2	0	2	125				
				T3M	11,338	2	0	2	111	12,214	3	0	3	120	12,369	3	0	3	121				
				T4M	11,426	2	0	3	112	12,309	2	0	3	121	12,465	2	0	3	122				
				TFTM	11,673	2	0	2	114	12,575	2	0	3	123	12,734	2	0	3	125				
				T5VS	12,140	3	0	1	119	13,078	3	0	1	128	13,244	3	0	1	130				
				T5S	12,150	3	0	1	119	13,089	3	0	1	128	13,254	3	0	1	130				
				T5M	12,119	4	0	2	119	13,056	4	0	2	128	13,221	4	0	2	130				
				T5W	12,040	4	0	3	118	12,970	4	0	3	127	13,134	4	0	3	129				
				BLC	9,570	1	0	2	94	10,310	1	0	2	101	10,440	1	0	2	102				
				LCCO	7,121	1	0	3	70	7,671	1	0	3	75	7,768	1	0	3	76				
				RCCO	7,121	1	0	3	70	7,671	1	0	3	75	7,768	1	0	3	76				
				30	1250	P4	125W	T1S	13,435	3	0	3	107	14,473	3	0	3	116	14,657	3	0	3	117
								T2S	13,489	2	0	2	108	14,532	3	0	3	116	14,716	3	0	3	118
T2M	13,420	3	0					3	107	14,457	3	0	3	116	14,640	3	0	3	117				
T3S	13,457	2	0					2	108	14,496	2	0	2	116	14,680	2	0	2	117				
T3M	13,064	3	0					3	105	14,073	3	0	3	113	14,251	3	0	3	114				
T4M	13,165	2	0					3	105	14,182	2	0	3	113	14,362	2	0	3	115				
TFTM	13,449	2	0					3	108	14,488	2	0	3	116	14,672	2	0	3	117				
T5VS	13,987	4	0					1	112	15,068	4	0	1	121	15,259	4	0	1	122				
T5S	13,999	3	0					1	112	15,080	3	0	1	121	15,271	3	0	1	122				
T5M	13,963	4	0					2	112	15,042	4	0	2	120	15,233	4	0	2	122				
T5W	13,872	4	0					3	111	14,944	4	0	3	120	15,133	4	0	3	121				
BLC	11,027	1	0					2	88	11,879	1	0	2	95	12,029	1	0	2	96				
LCCO	8,205	1	0					3	66	8,839	1	0	3	71	8,951	1	0	3	72				
RCCO	8,205	1	0					3	66	8,839	1	0	3	71	8,951	1	0	3	72				
30	1400	P5	138W					T1S	14,679	3	0	3	106	15,814	3	0	3	115	16,014	3	0	3	116
								T2S	14,739	3	0	3	107	15,878	3	0	3	115	16,079	3	0	3	117
				T2M	14,663	3	0	3	106	15,796	3	0	3	114	15,996	3	0	3	116				
				T3S	14,703	2	0	3	107	15,839	3	0	3	115	16,039	3	0	3	116				
				T3M	14,274	3	0	3	103	15,377	3	0	3	111	15,571	3	0	3	113				
				T4M	14,384	2	0	3	104	15,496	3	0	3	112	15,692	3	0	3	114				
				TFTM	14,695	2	0	3	106	15,830	3	0	3	115	16,030	3	0	3	116				
				T5VS	15,283	4	0	1	111	16,464	4	0	1	119	16,672	4	0	1	121				
				T5S	15,295	3	0	1	111	16,477	4	0	1	119	16,686	4	0	1	121				
				T5M	15,257	4	0	2	111	16,435	4	0	2	119	16,644	4	0	2	121				
				T5W	15,157	4	0	3	110	16,328	4	0	3	118	16,534	4	0	3	120				
				BLC	12,048	1	0	2	87	12,979	1	0	2	94	13,143	1	0	2	95				
				LCCO	8,965	1	0	3	65	9,657	1	0	3	70	9,780	1	0	3	71				
				RCCO	8,965	1	0	3	65	9,657	1	0	3	70	9,780	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																							
LED Count	Drive Current	Power Package	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				
40	1250	P6	163W	T1S	17,654	3	0	3	108	19,018	3	0	3	117	19,259	3	0	3	118				
				T2S	17,725	3	0	3	109	19,095	3	0	3	117	19,336	3	0	3	119				
				T2M	17,634	3	0	3	108	18,997	3	0	3	117	19,237	3	0	3	118				
				T3S	17,682	3	0	3	108	19,048	3	0	3	117	19,289	3	0	3	118				
				T3M	17,166	3	0	3	105	18,492	3	0	3	113	18,726	3	0	3	115				
				T4M	17,299	3	0	3	106	18,635	3	0	4	114	18,871	3	0	4	116				
				TFTM	17,672	3	0	3	108	19,038	3	0	4	117	19,279	3	0	4	118				
				TSVS	18,379	4	0	1	113	19,800	4	0	1	121	20,050	4	0	1	123				
				T5S	18,394	4	0	2	113	19,816	4	0	2	122	20,066	4	0	2	123				
				T5M	18,348	4	0	2	113	19,766	4	0	2	121	20,016	4	0	2	123				
				TSW	18,228	5	0	3	112	19,636	5	0	3	120	19,885	5	0	3	122				
				BLC	14,489	2	0	2	89	15,609	2	0	3	96	15,806	2	0	3	97				
				LCCO	10,781	1	0	3	66	11,614	1	0	3	71	11,761	2	0	3	72				
				RCCO	10,781	1	0	3	66	11,614	1	0	3	71	11,761	2	0	3	72				
				40	1400	P7	183W	T1S	19,227	3	0	3	105	20,712	3	0	3	113	20,975	3	0	3	115
								T2S	19,304	3	0	3	105	20,796	3	0	3	114	21,059	3	0	3	115
T2M	19,205	3	0					3	105	20,689	3	0	3	113	20,951	3	0	3	114				
T3S	19,257	3	0					3	105	20,745	3	0	3	113	21,008	3	0	3	115				
T3M	18,695	3	0					3	102	20,140	3	0	3	110	20,395	3	0	4	111				
T4M	18,840	3	0					4	103	20,296	3	0	4	111	20,553	3	0	4	112				
TFTM	19,246	3	0					4	105	20,734	3	0	4	113	20,996	3	0	4	115				
TSVS	20,017	4	0					1	109	21,564	4	0	1	118	21,837	4	0	1	119				
T5S	20,033	4	0					2	109	21,581	4	0	2	118	21,854	4	0	2	119				
T5M	19,983	4	0					2	109	21,527	5	0	3	118	21,799	5	0	3	119				
TSW	19,852	5	0					3	108	21,386	5	0	3	117	21,656	5	0	3	118				
BLC	15,780	2	0					3	86	16,999	2	0	3	93	17,214	2	0	3	94				
LCCO	11,742	2	0					3	64	12,649	2	0	3	69	12,809	2	0	3	70				
RCCO	11,742	2	0					3	64	12,649	2	0	3	69	12,809	2	0	3	70				
60	1050	P8	207W					T1S	22,490	3	0	3	109	24,228	3	0	3	117	24,535	3	0	3	119
								T2S	22,581	3	0	3	109	24,326	3	0	3	118	24,634	3	0	3	119
				T2M	22,465	3	0	4	109	24,201	3	0	4	117	24,507	3	0	4	119				
				T3S	22,526	3	0	4	109	24,267	3	0	4	117	24,574	3	0	4	119				
				T3M	21,869	3	0	4	106	23,558	3	0	4	114	23,857	3	0	4	115				
				T4M	22,038	3	0	4	106	23,741	3	0	4	115	24,041	3	0	4	116				
				TFTM	22,513	3	0	4	109	24,253	3	0	4	117	24,560	3	0	4	119				
				TSVS	23,415	5	0	1	113	25,224	5	0	1	122	25,543	5	0	1	123				
				T5S	23,434	4	0	2	113	25,244	4	0	2	122	25,564	4	0	2	123				
				T5M	23,374	5	0	3	113	25,181	5	0	3	122	25,499	5	0	3	123				
				TSW	23,221	5	0	4	112	25,016	5	0	4	121	25,332	5	0	4	122				
				BLC	18,458	2	0	3	89	19,885	2	0	3	96	20,136	2	0	3	97				
				LCCO	13,735	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72				
				RCCO	13,735	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72				
				60	1250	P9	241W	T1S	25,575	3	0	3	106	27,551	3	0	3	114	27,900	3	0	3	116
								T2S	25,678	3	0	3	107	27,663	3	0	3	115	28,013	3	0	3	116
T2M	25,547	3	0					4	106	27,521	3	0	4	114	27,869	3	0	4	116				
T3S	25,616	3	0					4	106	26,791	3	0	4	111	27,945	3	0	4	116				
T3M	24,868	3	0					4	103	27,597	3	0	4	115	27,129	3	0	4	113				
T4M	25,061	3	0					4	104	26,997	3	0	4	112	27,339	3	0	4	113				
TFTM	25,602	3	0					4	106	27,580	3	0	4	114	27,929	3	0	4	116				
TSVS	26,626	5	0					1	110	28,684	5	0	1	119	29,047	5	0	1	121				
T5S	26,648	4	0					2	111	28,707	5	0	2	119	29,070	5	0	2	121				
T5M	26,581	5	0					3	110	28,635	5	0	3	119	28,997	5	0	3	120				
TSW	26,406	5	0					4	110	28,447	5	0	4	118	28,807	5	0	4	120				
BLC	20,990	2	0					3	87	22,612	2	0	3	94	22,898	2	0	3	95				
LCCO	15,619	2	0					4	65	16,825	2	0	4	70	17,038	2	0	4	71				
RCCO	15,619	2	0					4	65	16,825	2	0	4	70	17,038	2	0	4	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.

Rotated Optics																			
LED Count	Drive Current	Power Package	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
60	530	P10	106W	T1S	13,042	3	0	3	123	14,050	3	0	3	133	14,228	3	0	3	134
				T2S	13,200	3	0	3	125	14,220	3	0	3	134	14,400	3	0	3	136
				T2M	12,966	4	0	4	122	13,968	4	0	4	132	14,145	4	0	4	133
				T3S	13,193	4	0	4	124	14,212	4	0	4	134	14,392	4	0	4	136
				T3M	12,766	4	0	4	120	13,751	4	0	4	130	13,925	4	0	4	131
				T4M	12,944	4	0	4	122	13,945	4	0	4	132	14,121	4	0	4	133
				TFTM	13,279	4	0	4	125	14,305	4	0	4	135	14,486	4	0	4	137
				TSVS	13,372	3	0	1	126	14,405	4	0	1	136	14,588	4	0	1	138
				T5S	13,260	3	0	1	125	14,284	3	0	1	135	14,465	3	0	1	136
				T5M	13,256	4	0	2	125	14,281	4	0	2	135	14,462	4	0	2	136
				TSW	13,137	4	0	3	124	14,153	4	0	3	134	14,332	4	0	3	135
				BLC	10,906	3	0	3	103	11,749	3	0	3	111	11,898	3	0	3	112
				LCCO	7,789	1	0	3	73	8,391	1	0	3	79	8,497	1	0	3	80
				RCCO	7,779	4	0	4	73	8,380	4	0	4	79	8,486	4	0	4	80
60	700	P11	137W	T1S	16,556	3	0	3	121	17,835	3	0	3	130	18,061	4	0	4	132
				T2S	16,757	4	0	4	122	18,052	4	0	4	132	18,280	4	0	4	133
				T2M	16,460	4	0	4	120	17,732	4	0	4	129	17,956	4	0	4	131
				T3S	16,747	4	0	4	122	18,041	4	0	4	132	18,270	4	0	4	133
				T3M	16,204	4	0	4	118	17,456	4	0	4	127	17,677	4	0	4	129
				T4M	16,432	4	0	4	120	17,702	4	0	4	129	17,926	4	0	4	131
				TFTM	16,857	4	0	4	123	18,159	4	0	4	133	18,389	4	0	4	134
				TSVS	16,975	4	0	1	124	18,287	4	0	1	133	18,518	4	0	1	135
				T5S	16,832	4	0	1	123	18,133	4	0	2	132	18,362	4	0	2	134
				T5M	16,828	4	0	2	123	18,128	4	0	2	132	18,358	4	0	2	134
				TSW	16,677	4	0	3	122	17,966	5	0	3	131	18,193	5	0	3	133
				BLC	13,845	3	0	3	101	14,915	3	0	3	109	15,103	3	0	3	110
				LCCO	9,888	1	0	3	72	10,652	2	0	3	78	10,787	2	0	3	79
				RCCO	9,875	4	0	4	72	10,638	4	0	4	78	10,773	4	0	4	79
60	1050	P12	207W	T1S	22,996	4	0	4	111	24,773	4	0	4	120	25,087	4	0	4	121
				T2S	23,276	4	0	4	112	25,074	4	0	4	121	25,392	4	0	4	123
				T2M	22,863	4	0	4	110	24,630	5	0	5	119	24,941	5	0	5	120
				T3S	23,262	4	0	4	112	25,060	4	0	4	121	25,377	4	0	4	123
				T3M	22,508	4	0	4	109	24,247	5	0	5	121	24,554	5	0	5	119
				T4M	22,824	5	0	5	110	24,588	5	0	5	119	24,899	5	0	5	120
				TFTM	23,414	5	0	5	113	25,223	5	0	5	122	25,543	5	0	5	123
				TSVS	23,579	5	0	1	114	25,401	5	0	1	123	25,722	5	0	1	124
				T5S	23,380	4	0	2	113	25,187	4	0	2	122	25,506	4	0	2	123
				T5M	23,374	5	0	3	113	25,181	5	0	3	122	25,499	5	0	3	123
				TSW	23,165	5	0	4	112	24,955	5	0	4	121	25,271	5	0	4	122
				BLC	19,231	4	0	4	93	20,717	4	0	4	100	20,979	4	0	4	101
				LCCO	13,734	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72
				RCCO	13,716	4	0	4	66	14,776	4	0	4	71	14,963	4	0	4	72
60	1250	P13	231W	T1S	25,400	4	0	4	110	27,363	4	0	4	118	27,709	4	0	4	120
				T2S	25,709	4	0	4	111	27,695	4	0	4	120	28,046	4	0	4	121
				T2M	25,253	5	0	5	109	27,204	5	0	5	118	27,548	5	0	5	119
				T3S	25,694	5	0	5	111	27,679	5	0	5	120	28,029	5	0	5	121
				T3M	24,861	5	0	5	108	26,782	5	0	5	116	27,121	5	0	5	117
				T4M	25,210	5	0	5	109	27,158	5	0	5	118	27,502	5	0	5	119
				TFTM	25,861	5	0	5	112	27,860	5	0	5	121	28,212	5	0	5	122
				TSVS	26,043	5	0	1	113	28,056	5	0	1	121	28,411	5	0	1	123
				T5S	25,824	4	0	2	112	27,819	5	0	2	120	28,172	5	0	2	122
				T5M	25,818	5	0	3	112	27,813	5	0	3	120	28,165	5	0	3	122
				TSW	25,586	5	0	4	111	27,563	5	0	4	119	27,912	5	0	4	121
				BLC	21,241	4	0	4	92	22,882	4	0	4	99	23,172	4	0	4	100
				LCCO	15,170	2	0	4	66	16,342	2	0	4	71	16,549	2	0	4	72
				RCCO	15,150	5	0	5	66	16,321	5	0	5	71	16,527	5	0	5	72

FEATURES & SPECIFICATIONS

INTENDED USE

The sleek design of the D-Series Size 1 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

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 drivers are 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 (1.01 ft²) 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 standard 3000 K, 4000 K and 5000 K (70 CRI) configurations. The D-Series Size 1 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 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 DSX1 LED area luminaire has a number of control options. DSX Size 1, comes standard with 0-10V dimming drivers. 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 DSX1 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 1 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 1 utilizes the AERIS™ series pole drilling pattern (template #8). 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 minimum ambient. 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 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 ACT

Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to 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

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.





d^{series}

D-Series Size 1

Legacy LED Area Luminaire

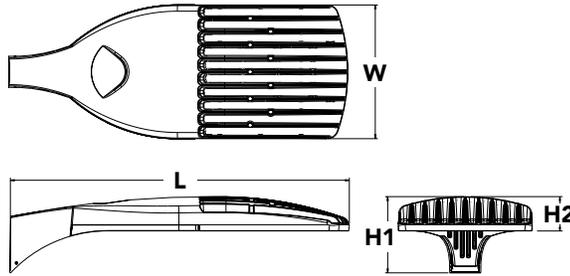


Catalog Number	
Notes	
Type	L11

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

Specifications

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



Introduction

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

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

Ordering Information

EXAMPLE: DSX1 LED P7 40K T3M MVOLT SPA NLTAIR2 PIRHN DDBXD G1

Series	LEDs	Color temperature	Distribution	Voltage	Mounting
DSX1 LED	Forward optics P1 ¹ P4 ¹ P7 ¹ P2 P5 ¹ P8 P3 P6 ¹ P9 ¹ Rotated optics P10 ² P12 ² P11 ² P13 ^{1,2}	30K 3000 K 40K 4000 K 50K 5000 K	T1S Type I short (Automotive) T2S Type II short T2M Type II medium T3S Type III short T3M Type III medium T4M Type IV medium TFTM Forward throw medium T5VS Type V very short ³ T5S Type V short ³ T5M Type V medium ³ T5W Type V wide ³ BLC Backlight control ⁴ LCCO Left corner cutoff ⁴ RCCO Right corner cutoff ⁴	MVOLT⁵ XVOLT (277V-480V) ^{6,7,8} 120 ⁹ 208 ⁹ 240 ⁹ 277 ⁹ 347 ⁹ 480 ⁹	Shipped included SPA Square pole mounting RPA Round pole mounting ¹⁰ WBA Wall bracket ³ SPUMBA Square pole universal mounting adaptor ¹¹ RPUMBA Round pole universal mounting adaptor ⁹ Shipped separately KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) ¹²

Control options	Other options	Finish (required)	Generation (required)
Shipped installed NLTAIR2 nLight AIR generation 2 enabled ¹³ PIRHN Network, high/low motion/ambient sensor ¹⁴ PER NEMA twist-lock receptacle only (controls ordered separately) ¹⁵ PER5 Five-pin receptacle only (controls ordered separately) ^{15,16} PER7 Seven-pin receptacle only (controls ordered separately) ^{15,16} DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) ¹⁷ DS Dual switching ^{18,19,20}	Shipped installed HS House-side shield ²³ SF Single fuse (120, 277, 347V) ⁹ DF Double fuse (208, 240, 480V) ⁹ L90 Left rotated optics ² R90 Right rotated optics ² HA 50°C ambient operations ¹ BAA Buy America(n) Act Compliant Shipped separately BS Bird spikes ²⁴ EGS External glare shield	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze DBLTXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white	G1 Generation 1



Ordering Information

Accessories

Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ²⁵
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ²⁵
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ²⁵
DSHORT SBK U	Shorting cap ²⁵
DSX1HS 30C G1 U	House-side shield for P1, P2, P3, P4 and P5 ²³
DSX1HS 40C G1 U	House-side shield for P6 and P7 ²³
DSX1HS 60C G1 U	House-side shield for P8, P9, P10, P11 and P12 ²³
PUMBA DDBXD G1 U*	Square and round pole universal mounting bracket (specify finish) ²⁵
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) ¹²
DSX1EGS (FINISH) G1 U	External glare shield

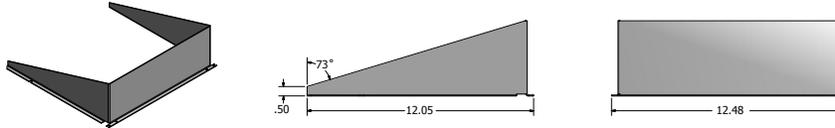
For more control options, visit [DTL](#) and [ROAM](#) online.

NOTES

- 1 HA not available with P4, P5, P6, P7, P9 and P13.
- 2 P10, P11, P12 or P13 and rotated optics (L90, R90) only available together.
- 3 Any Type 5 distribution with photocell, is not available with WBA.
- 4 Not available with HS.
- 5 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- 6 XVOLT only suitable for use with P3, P5, P6, P7, P9 and P13.
- 7 XVOLT works with any voltage between 277V and 480V.
- 8 XVOLT not available with fusing (SF or DF) and not available with PIR, PIRH, PIR1FC3V, PIRH1FC3V.
- 9 Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V. XVOLT not available with fusing (SF or DF).
- 10 Suitable for mounting to round poles between 3.5" and 12" diameter.
- 11 Universal mounting brackets intended for retrofit on existing, pre-drilled poles only. 1.5 G vibration load rating per ANCI C136.31. Only usable when pole's drill pattern is NOT Lithonia template #8.
- 12 Must order fixture with SPA option. KMA8 must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" diameter mast arm (not included).
- 13 Must be ordered with PIRHN. Sensor cover available only in dark bronze, black, white and natural aluminum colors.
- 14 Must be ordered with NLTAR2. For more information on nLight Air 2 visit [this link](#).
- 15 Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting cap included.
- 16 If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Node with integral dimming.
- 17 DMG not available with PIRHN, PER5, PER7, PIR, PIRH, PIR1FC3V or PIRH1FC3V, FAO.
- 18 Provides 50/50 fixture operation via (2) independent drivers. Not available with PER, PER5, PER7, PIR or PIRH. Not available P1, P2, P3, P4 or P5.
- 19 Requires (2) separately switched circuits.
- 20 Reference Controls Options table on page 4.
- 21 Reference Motion Sensor default settings table on page 4 to see functionality.
- 22 Not available with other dimming controls options.
- 23 Not available with BLC, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
- 24 Must be ordered with fixture for factory pre-drilling.
- 25 Requires luminaire to be specified with PER, PER5 or PER7 option. See Control Option Table on page 4.
- 26 For retrofit use only. Only usable when pole's drill pattern is NOT Lithonia template #8.

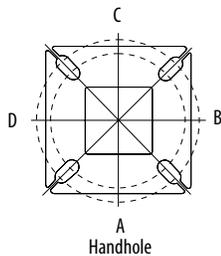
Options

EGS - External Glare Shield



Drilling

HANDHOLE ORIENTATION



Tenon Mounting Slipfitter

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

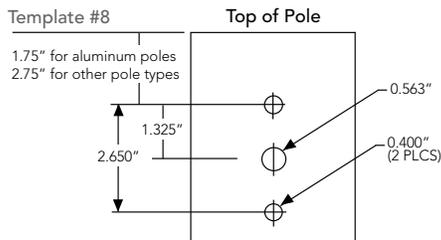
Mounting Option	Drilling Template	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS

DSX1 Area Luminaire - EPA

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

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

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



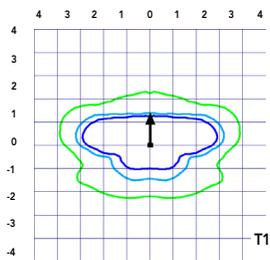
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [D-Series Area Size 1 homepage](#).

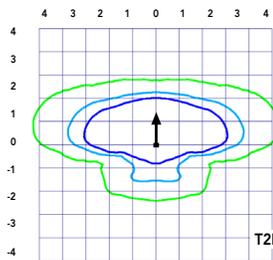
Isofootcandle plots for the DSX1 LED P7 40K G1. Distances are in units of mounting height (25').

LEGEND

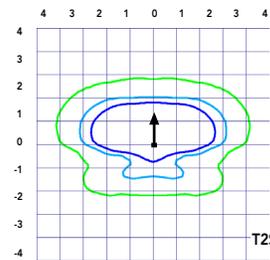
- 0.1 fc
- 0.5 fc
- 1.0 fc



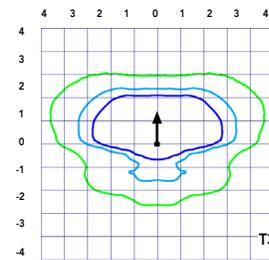
Test No. LTL23211 tested in accordance with IESNA LM-79-08.



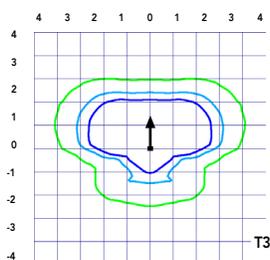
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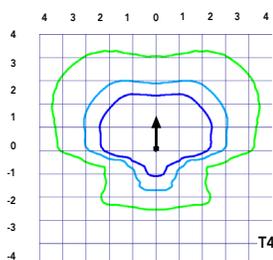
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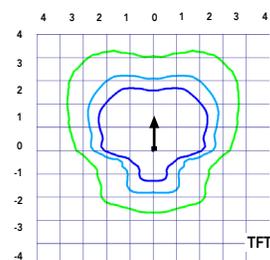
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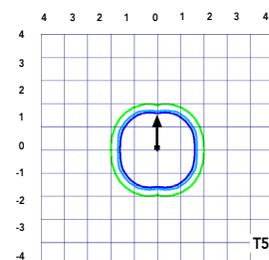
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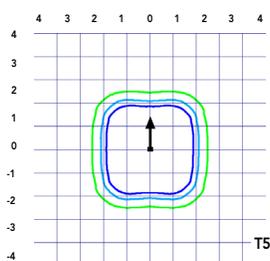
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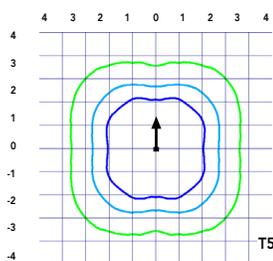
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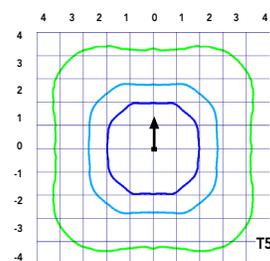
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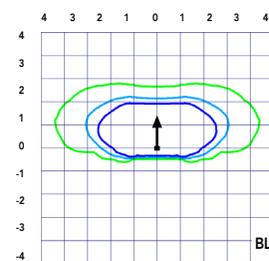
Test No. LTL23211 tested in accordance with IESNA LM-79-08.



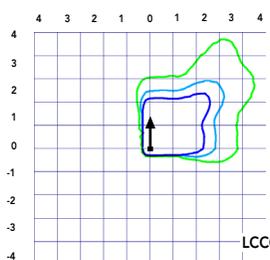
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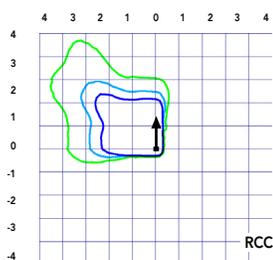
Test No. LTL23222 tested in accordance with IESNA LM-79-08.



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



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



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

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
25°C	77°F	1.00
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
0	1.00
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

	Performance Package	LED Count	Drive Current	Wattage	Current (A)					
					120	208	240	277	347	480
Forward Optics (Non-Rotated)	P1	30	530	54	0.45	0.26	0.23	0.19	0.10	0.12
	P2	30	700	70	0.59	0.34	0.30	0.25	0.20	0.16
	P3	30	1050	102	0.86	0.50	0.44	0.38	0.30	0.22
	P4	30	1250	125	1.06	0.60	0.52	0.46	0.37	0.27
	P5	30	1400	138	1.16	0.67	0.58	0.51	0.40	0.29
	P6	40	1250	163	1.36	0.78	0.68	0.59	0.47	0.34
	P7	40	1400	183	1.53	0.88	0.76	0.66	0.53	0.38
	P8	60	1050	207	1.74	0.98	0.87	0.76	0.64	0.49
	P9	60	1250	241	2.01	1.16	1.01	0.89	0.70	0.51
Rotated Optics (Requires L90 or R90)	P10	60	530	106	0.90	0.52	0.47	0.43	0.33	0.27
	P11	60	700	137	1.15	0.67	0.60	0.53	0.42	0.32
	P12	60	1050	207	1.74	0.99	0.87	0.76	0.60	0.46
	P13	60	1250	231	1.93	1.12	0.97	0.86	0.67	0.49

Controls Options

Nomenclature	Description	Functionality	Primary control device	Notes
FA0	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.	FA0 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.

Forward Optics																							
LED Count	Drive Current	Power Package	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				
30	530	P1	54W	T1S	6,457	2	0	2	120	6,956	2	0	2	129	7,044	2	0	2	130				
				T2S	6,483	1	0	1	120	6,984	2	0	2	129	7,072	2	0	2	131				
				T2M	6,450	2	0	2	119	6,948	2	0	2	129	7,036	2	0	2	130				
				T3S	6,468	1	0	2	120	6,967	1	0	2	129	7,055	1	0	2	131				
				T3M	6,279	2	0	2	116	6,764	2	0	2	125	6,849	2	0	2	127				
				T4M	6,327	1	0	2	117	6,816	1	0	2	126	6,902	1	0	2	128				
				TFTM	6,464	1	0	2	120	6,963	1	0	2	129	7,051	1	0	2	131				
				T5VS	6,722	2	0	0	124	7,242	3	0	0	134	7,334	3	0	0	136				
				T5S	6,728	2	0	1	125	7,248	2	0	1	134	7,340	2	0	1	136				
				T5M	6,711	3	0	1	124	7,229	3	0	1	134	7,321	3	0	2	136				
				T5W	6,667	3	0	2	123	7,182	3	0	2	133	7,273	3	0	2	135				
				BLC	5,299	1	0	1	98	5,709	1	0	2	106	5,781	1	0	2	107				
				LCCO	3,943	1	0	2	73	4,248	1	0	2	79	4,302	1	0	2	80				
				RCCO	3,943	1	0	2	73	4,248	1	0	2	79	4,302	1	0	2	80				
				30	700	P2	70W	T1S	8,249	2	0	2	118	8,886	2	0	2	127	8,999	2	0	2	129
								T2S	8,282	2	0	2	118	8,923	2	0	2	127	9,035	2	0	2	129
T2M	8,240	2	0					2	118	8,877	2	0	2	127	8,989	2	0	2	128				
T3S	8,262	2	0					2	118	8,901	2	0	2	127	9,013	2	0	2	129				
T3M	8,021	2	0					2	115	8,641	2	0	2	123	8,750	2	0	2	125				
T4M	8,083	2	0					2	115	8,708	2	0	2	124	8,818	2	0	2	126				
TFTM	8,257	2	0					2	118	8,896	2	0	2	127	9,008	2	0	2	129				
T5VS	8,588	3	0					0	123	9,252	3	0	0	132	9,369	3	0	0	134				
T5S	8,595	3	0					1	123	9,259	3	0	1	132	9,376	3	0	1	134				
T5M	8,573	3	0					2	122	9,236	3	0	2	132	9,353	3	0	2	134				
T5W	8,517	3	0					2	122	9,175	4	0	2	131	9,291	4	0	2	133				
BLC	6,770	1	0					2	97	7,293	1	0	2	104	7,386	1	0	2	106				
LCCO	5,038	1	0					2	72	5,427	1	0	2	78	5,496	1	0	2	79				
RCCO	5,038	1	0					2	72	5,427	1	0	2	78	5,496	1	0	2	79				
30	1050	P3	102W					T1S	11,661	2	0	2	114	12,562	3	0	3	123	12,721	3	0	3	125
								T2S	11,708	2	0	2	115	12,612	2	0	2	124	12,772	2	0	2	125
				T2M	11,648	2	0	2	114	12,548	3	0	3	123	12,707	3	0	3	125				
				T3S	11,679	2	0	2	115	12,582	2	0	2	123	12,741	2	0	2	125				
				T3M	11,338	2	0	2	111	12,214	3	0	3	120	12,369	3	0	3	121				
				T4M	11,426	2	0	3	112	12,309	2	0	3	121	12,465	2	0	3	122				
				TFTM	11,673	2	0	2	114	12,575	2	0	3	123	12,734	2	0	3	125				
				T5VS	12,140	3	0	1	119	13,078	3	0	1	128	13,244	3	0	1	130				
				T5S	12,150	3	0	1	119	13,089	3	0	1	128	13,254	3	0	1	130				
				T5M	12,119	4	0	2	119	13,056	4	0	2	128	13,221	4	0	2	130				
				T5W	12,040	4	0	3	118	12,970	4	0	3	127	13,134	4	0	3	129				
				BLC	9,570	1	0	2	94	10,310	1	0	2	101	10,440	1	0	2	102				
				LCCO	7,121	1	0	3	70	7,671	1	0	3	75	7,768	1	0	3	76				
				RCCO	7,121	1	0	3	70	7,671	1	0	3	75	7,768	1	0	3	76				
				30	1250	P4	125W	T1S	13,435	3	0	3	107	14,473	3	0	3	116	14,657	3	0	3	117
								T2S	13,489	2	0	2	108	14,532	3	0	3	116	14,716	3	0	3	118
T2M	13,420	3	0					3	107	14,457	3	0	3	116	14,640	3	0	3	117				
T3S	13,457	2	0					2	108	14,496	2	0	2	116	14,680	2	0	2	117				
T3M	13,064	3	0					3	105	14,073	3	0	3	113	14,251	3	0	3	114				
T4M	13,165	2	0					3	105	14,182	2	0	3	113	14,362	2	0	3	115				
TFTM	13,449	2	0					3	108	14,488	2	0	3	116	14,672	2	0	3	117				
T5VS	13,987	4	0					1	112	15,068	4	0	1	121	15,259	4	0	1	122				
T5S	13,999	3	0					1	112	15,080	3	0	1	121	15,271	3	0	1	122				
T5M	13,963	4	0					2	112	15,042	4	0	2	120	15,233	4	0	2	122				
T5W	13,872	4	0					3	111	14,944	4	0	3	120	15,133	4	0	3	121				
BLC	11,027	1	0					2	88	11,879	1	0	2	95	12,029	1	0	2	96				
LCCO	8,205	1	0					3	66	8,839	1	0	3	71	8,951	1	0	3	72				
RCCO	8,205	1	0					3	66	8,839	1	0	3	71	8,951	1	0	3	72				
30	1400	P5	138W					T1S	14,679	3	0	3	106	15,814	3	0	3	115	16,014	3	0	3	116
								T2S	14,739	3	0	3	107	15,878	3	0	3	115	16,079	3	0	3	117
				T2M	14,663	3	0	3	106	15,796	3	0	3	114	15,996	3	0	3	116				
				T3S	14,703	2	0	3	107	15,839	3	0	3	115	16,039	3	0	3	116				
				T3M	14,274	3	0	3	103	15,377	3	0	3	111	15,571	3	0	3	113				
				T4M	14,384	2	0	3	104	15,496	3	0	3	112	15,692	3	0	3	114				
				TFTM	14,695	2	0	3	106	15,830	3	0	3	115	16,030	3	0	3	116				
				T5VS	15,283	4	0	1	111	16,464	4	0	1	119	16,672	4	0	1	121				
				T5S	15,295	3	0	1	111	16,477	4	0	1	119	16,686	4	0	1	121				
				T5M	15,257	4	0	2	111	16,435	4	0	2	119	16,644	4	0	2	121				
				T5W	15,157	4	0	3	110	16,328	4	0	3	118	16,534	4	0	3	120				
				BLC	12,048	1	0	2	87	12,979	1	0	2	94	13,143	1	0	2	95				
				LCCO	8,965	1	0	3	65	9,657	1	0	3	70	9,780	1	0	3	71				
				RCCO	8,965	1	0	3	65	9,657	1	0	3	70	9,780	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																							
LED Count	Drive Current	Power Package	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				
40	1250	P6	163W	T1S	17,654	3	0	3	108	19,018	3	0	3	117	19,259	3	0	3	118				
				T2S	17,725	3	0	3	109	19,095	3	0	3	117	19,336	3	0	3	119				
				T2M	17,634	3	0	3	108	18,997	3	0	3	117	19,237	3	0	3	118				
				T3S	17,682	3	0	3	108	19,048	3	0	3	117	19,289	3	0	3	118				
				T3M	17,166	3	0	3	105	18,492	3	0	3	113	18,726	3	0	3	115				
				T4M	17,299	3	0	3	106	18,635	3	0	4	114	18,871	3	0	4	116				
				TFTM	17,672	3	0	3	108	19,038	3	0	4	117	19,279	3	0	4	118				
				TSVS	18,379	4	0	1	113	19,800	4	0	1	121	20,050	4	0	1	123				
				T5S	18,394	4	0	2	113	19,816	4	0	2	122	20,066	4	0	2	123				
				T5M	18,348	4	0	2	113	19,766	4	0	2	121	20,016	4	0	2	123				
				TSW	18,228	5	0	3	112	19,636	5	0	3	120	19,885	5	0	3	122				
				BLC	14,489	2	0	2	89	15,609	2	0	3	96	15,806	2	0	3	97				
				LCCO	10,781	1	0	3	66	11,614	1	0	3	71	11,761	2	0	3	72				
				RCCO	10,781	1	0	3	66	11,614	1	0	3	71	11,761	2	0	3	72				
				40	1400	P7	183W	T1S	19,227	3	0	3	105	20,712	3	0	3	113	20,975	3	0	3	115
								T2S	19,304	3	0	3	105	20,796	3	0	3	114	21,059	3	0	3	115
T2M	19,205	3	0					3	105	20,689	3	0	3	113	20,951	3	0	3	114				
T3S	19,257	3	0					3	105	20,745	3	0	3	113	21,008	3	0	3	115				
T3M	18,695	3	0					3	102	20,140	3	0	3	110	20,395	3	0	4	111				
T4M	18,840	3	0					4	103	20,296	3	0	4	111	20,553	3	0	4	112				
TFTM	19,246	3	0					4	105	20,734	3	0	4	113	20,996	3	0	4	115				
TSVS	20,017	4	0					1	109	21,564	4	0	1	118	21,837	4	0	1	119				
T5S	20,033	4	0					2	109	21,581	4	0	2	118	21,854	4	0	2	119				
T5M	19,983	4	0					2	109	21,527	5	0	3	118	21,799	5	0	3	119				
TSW	19,852	5	0					3	108	21,386	5	0	3	117	21,656	5	0	3	118				
BLC	15,780	2	0					3	86	16,999	2	0	3	93	17,214	2	0	3	94				
LCCO	11,742	2	0					3	64	12,649	2	0	3	69	12,809	2	0	3	70				
RCCO	11,742	2	0					3	64	12,649	2	0	3	69	12,809	2	0	3	70				
60	1050	P8	207W					T1S	22,490	3	0	3	109	24,228	3	0	3	117	24,535	3	0	3	119
								T2S	22,581	3	0	3	109	24,326	3	0	3	118	24,634	3	0	3	119
				T2M	22,465	3	0	4	109	24,201	3	0	4	117	24,507	3	0	4	119				
				T3S	22,526	3	0	4	109	24,267	3	0	4	117	24,574	3	0	4	119				
				T3M	21,869	3	0	4	106	23,558	3	0	4	114	23,857	3	0	4	115				
				T4M	22,038	3	0	4	106	23,741	3	0	4	115	24,041	3	0	4	116				
				TFTM	22,513	3	0	4	109	24,253	3	0	4	117	24,560	3	0	4	119				
				TSVS	23,415	5	0	1	113	25,224	5	0	1	122	25,543	5	0	1	123				
				T5S	23,434	4	0	2	113	25,244	4	0	2	122	25,564	4	0	2	123				
				T5M	23,374	5	0	3	113	25,181	5	0	3	122	25,499	5	0	3	123				
				TSW	23,221	5	0	4	112	25,016	5	0	4	121	25,332	5	0	4	122				
				BLC	18,458	2	0	3	89	19,885	2	0	3	96	20,136	2	0	3	97				
				LCCO	13,735	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72				
				RCCO	13,735	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72				
				60	1250	P9	241W	T1S	25,575	3	0	3	106	27,551	3	0	3	114	27,900	3	0	3	116
								T2S	25,678	3	0	3	107	27,663	3	0	3	115	28,013	3	0	3	116
T2M	25,547	3	0					4	106	27,521	3	0	4	114	27,869	3	0	4	116				
T3S	25,616	3	0					4	106	26,791	3	0	4	111	27,945	3	0	4	116				
T3M	24,868	3	0					4	103	27,597	3	0	4	115	27,129	3	0	4	113				
T4M	25,061	3	0					4	104	26,997	3	0	4	112	27,339	3	0	4	113				
TFTM	25,602	3	0					4	106	27,580	3	0	4	114	27,929	3	0	4	116				
TSVS	26,626	5	0					1	110	28,684	5	0	1	119	29,047	5	0	1	121				
T5S	26,648	4	0					2	111	28,707	5	0	2	119	29,070	5	0	2	121				
T5M	26,581	5	0					3	110	28,635	5	0	3	119	28,997	5	0	3	120				
TSW	26,406	5	0					4	110	28,447	5	0	4	118	28,807	5	0	4	120				
BLC	20,990	2	0					3	87	22,612	2	0	3	94	22,898	2	0	3	95				
LCCO	15,619	2	0					4	65	16,825	2	0	4	70	17,038	2	0	4	71				
RCCO	15,619	2	0					4	65	16,825	2	0	4	70	17,038	2	0	4	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.

Rotated Optics																			
LED Count	Drive Current	Power Package	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
60	530	P10	106W	T1S	13,042	3	0	3	123	14,050	3	0	3	133	14,228	3	0	3	134
				T2S	13,200	3	0	3	125	14,220	3	0	3	134	14,400	3	0	3	136
				T2M	12,966	4	0	4	122	13,968	4	0	4	132	14,145	4	0	4	133
				T3S	13,193	4	0	4	124	14,212	4	0	4	134	14,392	4	0	4	136
				T3M	12,766	4	0	4	120	13,751	4	0	4	130	13,925	4	0	4	131
				T4M	12,944	4	0	4	122	13,945	4	0	4	132	14,121	4	0	4	133
				TFTM	13,279	4	0	4	125	14,305	4	0	4	135	14,486	4	0	4	137
				TSVS	13,372	3	0	1	126	14,405	4	0	1	136	14,588	4	0	1	138
				T5S	13,260	3	0	1	125	14,284	3	0	1	135	14,465	3	0	1	136
				T5M	13,256	4	0	2	125	14,281	4	0	2	135	14,462	4	0	2	136
				TSW	13,137	4	0	3	124	14,153	4	0	3	134	14,332	4	0	3	135
				BLC	10,906	3	0	3	103	11,749	3	0	3	111	11,898	3	0	3	112
				LCCO	7,789	1	0	3	73	8,391	1	0	3	79	8,497	1	0	3	80
				RCCO	7,779	4	0	4	73	8,380	4	0	4	79	8,486	4	0	4	80
60	700	P11	137W	T1S	16,556	3	0	3	121	17,835	3	0	3	130	18,061	4	0	4	132
				T2S	16,757	4	0	4	122	18,052	4	0	4	132	18,280	4	0	4	133
				T2M	16,460	4	0	4	120	17,732	4	0	4	129	17,956	4	0	4	131
				T3S	16,747	4	0	4	122	18,041	4	0	4	132	18,270	4	0	4	133
				T3M	16,204	4	0	4	118	17,456	4	0	4	127	17,677	4	0	4	129
				T4M	16,432	4	0	4	120	17,702	4	0	4	129	17,926	4	0	4	131
				TFTM	16,857	4	0	4	123	18,159	4	0	4	133	18,389	4	0	4	134
				TSVS	16,975	4	0	1	124	18,287	4	0	1	133	18,518	4	0	1	135
				T5S	16,832	4	0	1	123	18,133	4	0	2	132	18,362	4	0	2	134
				T5M	16,828	4	0	2	123	18,128	4	0	2	132	18,358	4	0	2	134
				TSW	16,677	4	0	3	122	17,966	5	0	3	131	18,193	5	0	3	133
				BLC	13,845	3	0	3	101	14,915	3	0	3	109	15,103	3	0	3	110
				LCCO	9,888	1	0	3	72	10,652	2	0	3	78	10,787	2	0	3	79
				RCCO	9,875	4	0	4	72	10,638	4	0	4	78	10,773	4	0	4	79
60	1050	P12	207W	T1S	22,996	4	0	4	111	24,773	4	0	4	120	25,087	4	0	4	121
				T2S	23,276	4	0	4	112	25,074	4	0	4	121	25,392	4	0	4	123
				T2M	22,863	4	0	4	110	24,630	5	0	5	119	24,941	5	0	5	120
				T3S	23,262	4	0	4	112	25,060	4	0	4	121	25,377	4	0	4	123
				T3M	22,508	4	0	4	109	24,247	5	0	5	121	24,554	5	0	5	119
				T4M	22,824	5	0	5	110	24,588	5	0	5	119	24,899	5	0	5	120
				TFTM	23,414	5	0	5	113	25,223	5	0	5	122	25,543	5	0	5	123
				TSVS	23,579	5	0	1	114	25,401	5	0	1	123	25,722	5	0	1	124
				T5S	23,380	4	0	2	113	25,187	4	0	2	122	25,506	4	0	2	123
				T5M	23,374	5	0	3	113	25,181	5	0	3	122	25,499	5	0	3	123
				TSW	23,165	5	0	4	112	24,955	5	0	4	121	25,271	5	0	4	122
				BLC	19,231	4	0	4	93	20,717	4	0	4	100	20,979	4	0	4	101
				LCCO	13,734	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72
				RCCO	13,716	4	0	4	66	14,776	4	0	4	71	14,963	4	0	4	72
60	1250	P13	231W	T1S	25,400	4	0	4	110	27,363	4	0	4	118	27,709	4	0	4	120
				T2S	25,709	4	0	4	111	27,695	4	0	4	120	28,046	4	0	4	121
				T2M	25,253	5	0	5	109	27,204	5	0	5	118	27,548	5	0	5	119
				T3S	25,694	5	0	5	111	27,679	5	0	5	120	28,029	5	0	5	121
				T3M	24,861	5	0	5	108	26,782	5	0	5	116	27,121	5	0	5	117
				T4M	25,210	5	0	5	109	27,158	5	0	5	118	27,502	5	0	5	119
				TFTM	25,861	5	0	5	112	27,860	5	0	5	121	28,212	5	0	5	122
				TSVS	26,043	5	0	1	113	28,056	5	0	1	121	28,411	5	0	1	123
				T5S	25,824	4	0	2	112	27,819	5	0	2	120	28,172	5	0	2	122
				T5M	25,818	5	0	3	112	27,813	5	0	3	120	28,165	5	0	3	122
				TSW	25,586	5	0	4	111	27,563	5	0	4	119	27,912	5	0	4	121
				BLC	21,241	4	0	4	92	22,882	4	0	4	99	23,172	4	0	4	100
				LCCO	15,170	2	0	4	66	16,342	2	0	4	71	16,549	2	0	4	72
				RCCO	15,150	5	0	5	66	16,321	5	0	5	71	16,527	5	0	5	72

FEATURES & SPECIFICATIONS

INTENDED USE

The sleek design of the D-Series Size 1 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

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 drivers are 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 (1.01 ft²) 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 standard 3000 K, 4000 K and 5000 K (70 CRI) configurations. The D-Series Size 1 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 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 DSX1 LED area luminaire has a number of control options. DSX Size 1, comes standard with 0-10V dimming drivers. 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 DSX1 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 1 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 1 utilizes the AERIS™ series pole drilling pattern (template #8). 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 minimum ambient. 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 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 ACT

Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to 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

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.



Date _____
 Project _____



**DIRECT AC
 DRIVERLESS**



Low-Profile, Driverless Linkable IP67 LED Linear Luminaire

Product Features

Maintenance-Free Driverless Design

Connects directly to AC line voltage without an LED driver or electrolytic capacitors, for extreme reliability and lifetime. Requires zero maintenance.

Easy to Install Quick-Connect Cabling

Convenient push-and-click connectors and cabling make GPX Series fixtures easy to install and daisy chain.

Coextruded Copolyester/Aluminum Housing

Our patented process combines copolyester and aluminum together, with no seals or gaskets. The result is a single piece enclosure with excellent heatsinking characteristics for long lifetime.

Superior Chemical & UV Resistance

Seamless polymeric outer shell provides IP67 ingress protection and is specialized for superior chemical resistance. An additional protective coating is available which integrates a UV inhibitor and UV blocker for outdoor applications.

Performance Summary

Delivered Light Output: Up to 8,000 Lumens

Efficacy: 130 LPW

CRI: Typical 85 CRI

CCT: 5000K & 4000K

Lifetime: Designed to last 100,000 Hours at 25°C

Warranty: 5 Years (See ggled.net for Terms)

Mounting: Ceiling or Wall

Protection Class: IP67

Voltage: 120 VAC or 277 VAC Input

Maximum Run Length: Refer to the Table on Page 2

Ambient Temperature: -40°C to 55°C

Ordering Information

Product	Length	Lumen Output	Color Temp.	Lens Diffusion	UV Protection	Through Wired	Voltage
GPX							
	2 2-Foot	SO Standard Output 600 Lumens/Ft	50K (standard) 5000 Kelvin	Blank (standard) Chemical Resistant Clear Lens	Blank (standard) No Coating, Rated for Indoor Use	Blank (standard) Connectors on Input & Output for ability to Daisy Chain fixtures	120V 120 VAC Input
	4 4-Foot	HO* High Output 1000 Lumens/Ft	40K* 4000 Kelvin <i>*N/A in 2' HO</i>	GC (glare control) Chemical Resistant Lens with Added Diffusion Sheet	UVO Outdoor-Rated with UV-Blocking Coating	SE (Single-Ended) Connector on Input Only, No Daisy Chain, for Standalone Install	277V 277 VAC Input
	6 6-Foot	<i>*Available in 2', 4' & 8' only</i>					
	8 8-Foot						

Power & Connection Accessories

Cable	Type	Length	Wire	Mounting Hardware	Description
*No Jumper Cable Required on End-to-End Connection					
GPX-JMP-1	Jumper	1ft	18 AWG SJTW	GPX-MNT-NM	Non-Metalic Quick Latch
GPX-JMP-2	Jumper	2ft	18 AWG SJTW	GPX-MNT-SS	Stainless Steel Bolt Latch
GPX-JMP-4	Jumper	4ft	18 AWG SJTW		
GPX-JMP-8	Jumper	8ft	18 AWG SJTW		
GPX-LDR-10	Leader Cable	10ft	18 AWG SJTW		
GPX-LDR-25	Leader Cable	25ft	18 AWG SJTW		

*For serviceability and expansion/contraction considerations G&G limits the number of luminaires connected end-to-end (without a jumper cable) to a maximum of 4.

Low-Profile, Driverless Linkable IP67 LED Linear Luminaire

Product Specifications

Construction & Materials

Convenient push-and-click connectors let you easily and rapidly install Leader Cables and Jumper Cables. Multiple cable lengths support a variety of layouts.

Integrated aluminum heat spreader.

Seamless polymeric outer shell provides IP67 ingress protection and is specialized for superior chemical resistance. An additional protective coating is available which integrates a UV inhibitor and UV blocker for outdoor applications.

All G&G luminaires and components (with the exception of our LED boards and drivers) are proudly manufactured and assembled in the USA.

Electrical System

Power Factor: 0.9 nominal.

Input Power: Stays consistent over life.

Temperature Rating: Designed to operate in temperatures -40°C to 55°C.

Total Harmonic Distortion: < 20%

Regulatory Qualifications

cULus Listed

UL Listed for Wet Locations

NEMA 4X Rated



Lumen & Power Data

Length & Output	Lumens	Wattage	Amps @120V	Amps @277V
GPX2-SO	1200	9	0.075	0.032
GPX4-SO	2400	18	0.150	0.065
GPX6-SO	3600	27	0.225	0.097
GPX8-SO	4800	36	0.300	0.130
GPX2-HO	2000	16	0.130	0.060
GPX4-HO	4000	31 (36 @ 277V)	0.258	0.112
GPX8-HO	8000	62 (72 @ 277V)	0.517	0.224

Maximum Fixture Run

Maximum Fixture Run (Per 1 Leader Cable): 120VAC						
	GPX2-SO (9W)	GPX4-SO (18W)	GPX4-HO (31W)	GPX6-SO (27W)	GPX8-SO (36W)	GPX8-HO (62W)
JMP1 (1FT)	66 (198')	37 (185')	23 (115')	26 (182')	20 (180')	12 (108')
JMP2 (2FT)	59 (236')	34 (204')	21 (126')	24 (192')	19 (190')	12 (120')
JMP4 (4FT)	50 (300')	31 (248')	19 (152')	22 (220')	17 (204')	10 (120')
JMP8 (8FT)	40 (400')	26 (312')	16 (192')	19 (266')	15 (240')	9 (144')

Maximum Fixture Run (Per 1 Leader Cable): 277VAC						
	GPX2-SO (9W)	GPX4-SO (18W)	GPX4-HO (36W)	GPX6-SO (27W)	GPX8-SO (36W)	GPX8-HO (72W)
JMP1 (1FT)	157 (471')	89 (445')	58 (290')	63 (441')	48 (432')	30 (270')
JMP2 (2FT)	141 (564')	83 (498')	55 (330')	59 (472')	46 (460')	30 (300')
JMP4 (4FT)	119 (714')	73 (584')	48 (384')	54 (540')	42 (504')	27 (324')
JMP8 (8FT)	95 (950')	61 (732')	40 (480')	46 (644')	37 (592')	24 (384')

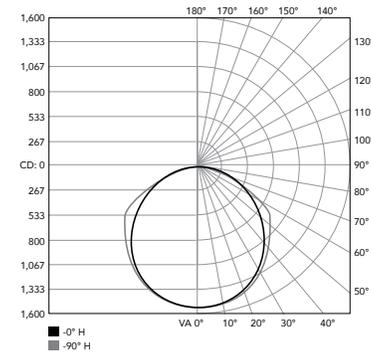
Photometry

GPX Series

Based on DTC Report Test #: 14404-T

Fixture photometry has been conducted by a NVLAP accredited testing laboratory in accordance with IESNA LM-79-08. IESNA LM-79-08 specifies the entire luminaire as the source resulting in a fixture efficiency of 100%.

Polar Candela Distribution



Zonal Lumen Summary

Zone	Luminaire
0-30	26.2%
0-40	43.2%
0-60	77.4%
0-90	98.5%
0-180	100%

Dimensions

Model	Fixture Diameter	Fixture Length		Mounted	
		Thru Wire	Single End	Width	Height
GPX2	1.0"	25.15"	24.00"	1.25"	1.75"
GPX4	1.0"	47.15"	46.00"	1.25"	1.75"
GPX6	1.0"	69.15"	68.00"	1.25"	1.75"
GPX8	1.0"	91.15"	90.00"	1.25"	1.75"