



# D-Series Size 0 LED Area Luminaire



Catalog  
Number

Notes

Type

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

## Specifications

**EPA:** 0.44 ft<sup>2</sup>  
(0.04 m<sup>2</sup>)

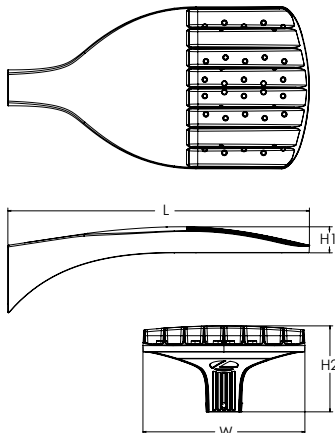
**Length:** 26.18"  
(66.5 cm)

**Width:** 14.06"  
(35.7 cm)

**Height H1:** 2.26"  
(5.7 cm)

**Height H2:** 7.46"  
(18.9 cm)

**Weight:** 23 lbs  
(10.4 kg)



## Introduction

The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The solar version is compatible with Sol By Sunna Design's Solar Lighting Engine. The performance will be based on the project location and the available solar energy output. Contact Sol by Sunna Design Sales Team for a quote for your Lithonia Solar Lighting Solutions. email: [sales@solarlighting.com](mailto:sales@solarlighting.com) or call: 1-800-959-1329



## Ordering Information

**EXAMPLE:** DSX0 LED P4 40K 70CRI T3M SOLAR RPA DDBXD

DSX0 LED					
Series	LEDs	Color temperature <sup>1</sup>	Color Rendering Index <sup>1</sup>	Distribution	Voltage
DSX0 LED	<b>Forward optics</b> P1 P3 P2 P4	(this section 70CRI only) 30K 3000K 40K 4000K 50K 5000K  (this section 80CRI only, extended lead times apply) 27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K	70CRI 70CRI 70CRI  80CRI 80CRI 80CRI 80CRI 80CRI	AFR Automotive front row T1S Type I short T2M Type II medium T3M Type III medium T3LG Type III low glare <sup>2</sup> T4M Type IV medium T4LG Type IV low glare <sup>2</sup> TFTM Forward throw medium	TSM Type V medium T5LG Type V low glare T5W Type V wide BLC3 Type III backlight control <sup>2</sup> BLC4 Type IV backlight control <sup>2</sup> LCCO Left corner cutoff <sup>2</sup> RCCO Right corner cutoff <sup>2</sup>  <b>SOLAR</b> Only compatible with Sol By Sunna Design's Solar Lighting Solutions <sup>3</sup>

Mounting	Other options	Finish (required)
<b>Shipped included</b> SPA Square pole mounting (#8 drilling, 3.5" min. SQ pole) RPA Round pole mounting (#8 drilling, 3" min. RND pole) MA Mast arm adapter (mounts on 2 3/8" OD horizontal tenon)	<b>Shipped installed</b> HS Houseside shield (black finish standard) <sup>4</sup> BAA Buy America(n) Act Compliant <b>Shipped separately</b> EGSR External Glare Shield (reversible, field install required, matches housing finish) BSDB Bird Spikes (field install required)	DDBXD Dark Bronze DBLXD Black DNAXD Natural Aluminum DWHXD White

## Accessories

Ordered and shipped separately.

DSX0HS P#	House-side shield (enter package number P1-4 in place of #) <sup>4</sup>
DSXRPA (FINISH)	Round pole adapter (#8 drilling, specify finish)
DSX0EGSR (FINISH)	External glare shield (specify finish)
DSX0BSDB (FINISH)	Bird spike deterrent bracket (specify finish)

## NOTES

- 30K, 40K, and 50K available in 70CRI and 80CRI. 27K and 35K only available with 80CRI. Contact Technical Support for other possible combinations.
- T3LG, T4LG, BLC3, BLC4, LCCO, RCCO not available with option HS.
- No Driver included, input power managed via Sol By Sunna's EverGen Solar Lighting Engine. Wattage depends on project location and Solar Engine size. For technical support, contact Sol by Sunna Design sales team at 1-800-959-1329.
- Accessory DSX0HS not available with T3LG, T4LG, BLC3, BLC4, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.

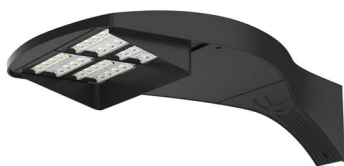


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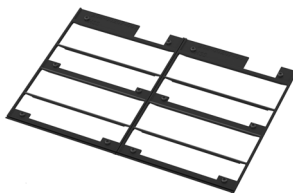
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## Shield Accessories



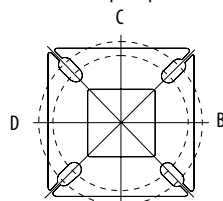
External Glare Shield (EGSR)  
(Reversible 180° degrees  
at rear and front)



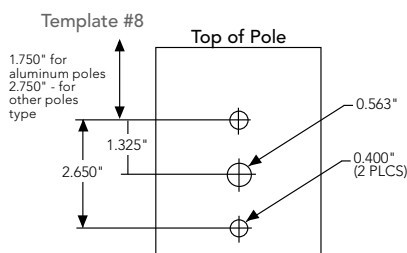
House Side Shield (HS)

## Drilling

### HANDHOLE ORIENTATION (from top of pole)



A  
Handhole



Minimum Acceptable Outside Pole Dimension							
SPA	#8	3.5"	3.5"	3.5"	3.5"		3.5"
RPA	#8	3"	3"	3"	3"	3"	3"

### DSX0 Area Luminaire - EPA

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

Fixture Quantity & Mounting Configuration	Single DM19	2 @ 180 DM28
Mounting Type		
DSX0 with SPA	0.44	0.88
DSX0 with RPA	0.51	1.02
DSX0 with MA	0.64	1.28

## 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	0.94
50,000	0.89
100,000	0.80

### Electrical Load

Energy management provide by Sol By Sunna Design Solar Lighting Engine. Contact Sol By Sunna Design's Sales Team for quoting your Lithonia Solar Lighting Solutions.

Email: [sales@solarlighting.com](mailto:sales@solarlighting.com) or Call: 1-800-959-1329.

### LED Color Temperature / Color Rendering Multipliers

	70 CRI		80 CRI	
	Lumen Multiplier	Availability	Lumen Multiplier	Availability
5000K	102%	Standard	92%	Extended lead-time
4000K	100%	Standard	92%	Extended lead-time
3500K	100%	(see note)	90%	Extended lead-time
3000K	96%	Standard	87%	Extended lead-time
2700K	94%	(see note)	85%	Extended lead-time

Note: Some LED types are available as per special request. Contact Technical Support for more information.



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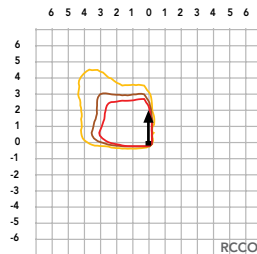
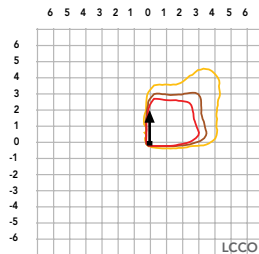
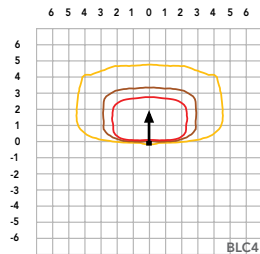
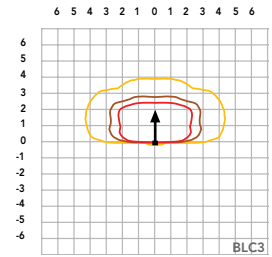
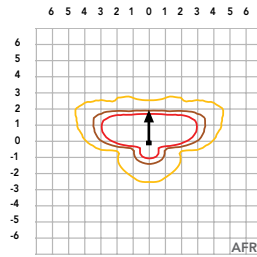
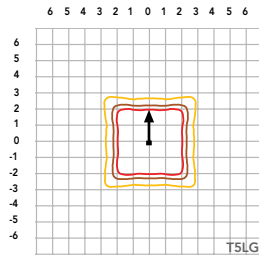
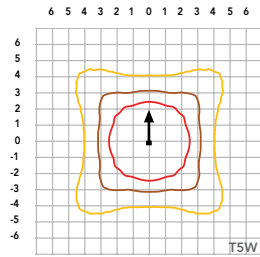
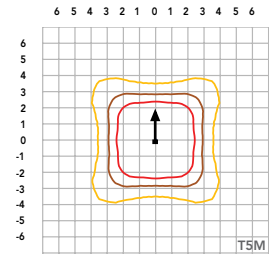
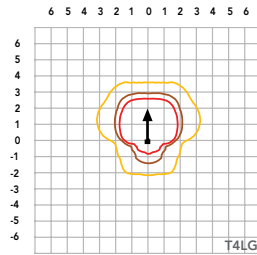
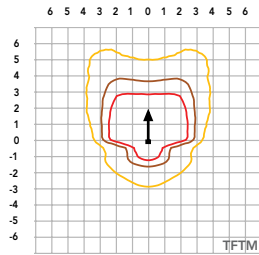
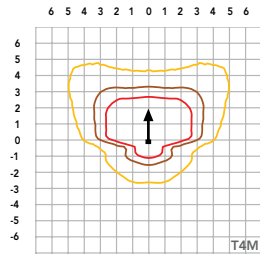
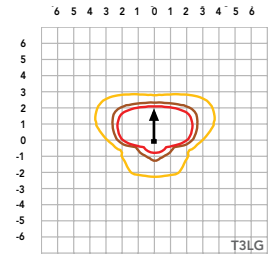
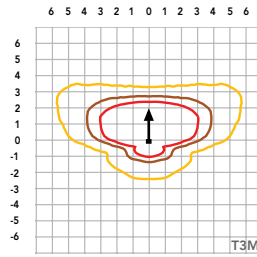
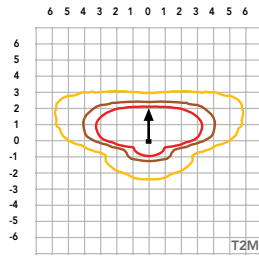
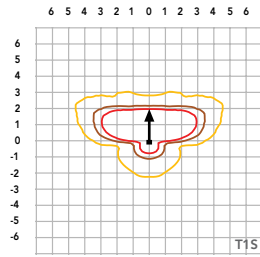
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## Photometric Diagrams

Isofootcandle plots for the DSX0 LED P7 40K 70CRI. Distances are in units of mounting height (20'). The Solar DSX0 is only available up to P4 performance package. Photometric Diagrams below should only be used as a visual reference.

### LEGEND

- 0.1 fc
- 0.5 fc
- 1.0 fc



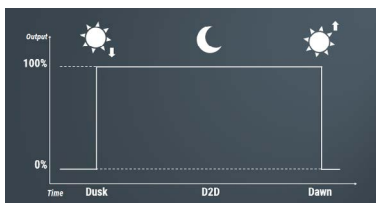
## Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here. The wattage and maintained lumens depends on project location and Solar Engine size. Lumens listed are for reference only.

Forward Optics																		
Performance Package	*Solar Engine Wattage	LED Count	Distribution Type	30K					40K					50K				
				(3000K, 70 CRI)					(4000K, 70 CRI)					(5000K, 70 CRI)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	30W	20	T1S	4,906	1	0	1	148	5,113	1	0	1	154	5,213	1	0	1	157
			T2M	4,545	1	0	2	137	4,736	1	0	2	143	4,829	1	0	2	145
			T3M	4,597	1	0	2	138	4,791	1	0	2	144	4,885	1	0	2	147
			T3LG	4,107	1	0	1	124	4,280	1	0	1	129	4,363	1	0	1	131
			T4M	4,666	1	0	2	141	4,863	1	0	2	146	4,957	1	0	2	149
			T4LG	4,244	1	0	1	128	4,423	1	0	1	133	4,509	1	0	1	136
			TFTM	4,698	1	0	2	141	4,896	1	0	2	147	4,992	1	0	2	150
			T5M	4,801	3	0	1	145	5,003	3	0	1	151	5,101	3	0	1	154
			T5W	4,878	3	0	1	147	5,084	3	0	2	153	5,183	3	0	2	156
			T5LG	4,814	2	0	1	145	5,018	2	0	1	151	5,115	2	0	1	154
			BLC3	3,344	0	0	1	101	3,485	0	0	1	105	3,553	0	0	1	107
			BLC4	3,454	0	0	2	104	3,599	0	0	2	108	3,670	0	0	2	111
			RCCO	3,374	0	0	1	102	3,517	0	0	1	106	3,585	0	0	1	108
			LCCO	3,374	0	0	1	102	3,517	0	0	1	106	3,585	0	0	1	108
			AFR	4,906	1	0	1	148	5,113	1	0	1	154	5,213	1	0	1	157
			P2	40W	20	T1S	6,328	1	0	1	140	6,595	1	0	1	146	6,724	1
T2M	5,862	1				0	2	130	6,109	1	0	2	135	6,228	1	0	2	138
T3M	5,930	1				0	3	131	6,180	1	0	3	137	6,301	1	0	3	140
T3LG	5,297	1				0	1	117	5,521	1	0	1	122	5,628	1	0	1	125
T4M	6,018	1				0	3	133	6,272	1	0	3	139	6,395	1	0	3	142
T4LG	5,474	1				0	1	121	5,705	1	0	1	126	5,816	1	0	1	129
TFTM	6,060	1				0	3	134	6,316	1	0	3	140	6,439	1	0	3	143
T5M	6,192	3				0	1	137	6,453	3	0	2	143	6,579	3	0	2	146
T5W	6,293	3				0	2	139	6,558	3	0	2	145	6,686	3	0	2	148
T5LG	6,210	2				0	1	138	6,472	3	0	1	143	6,598	3	0	1	146
BLC3	4,313	0				0	2	96	4,495	0	0	2	100	4,583	0	0	2	102
BLC4	4,455	0				0	2	99	4,643	0	0	2	103	4,733	0	0	2	105
RCCO	4,352	0				0	2	96	4,536	0	0	2	100	4,624	0	0	2	102
LCCO	4,352	0				0	2	96	4,536	0	0	2	100	4,624	0	0	2	102
AFR	6,328	1				0	1	140	6,595	1	0	1	146	6,724	1	0	1	149
P3	60W	20				T1S	9,006	1	0	2	131	9,386	1	0	2	136	9,569	1
			T2M	8,343	2	0	3	121	8,694	2	0	3	126	8,864	2	0	3	129
			T3M	8,439	2	0	3	122	8,795	2	0	3	128	8,967	2	0	3	130
			T3LG	7,539	1	0	2	109	7,857	1	0	2	114	8,010	1	0	2	116
			T4M	8,565	2	0	3	124	8,926	2	0	3	129	9,100	2	0	3	132
			T4LG	7,790	1	0	2	113	8,119	1	0	2	118	8,277	1	0	2	120
			TFTM	8,624	1	0	3	125	8,988	1	0	3	130	9,163	2	0	3	133
			T5M	8,812	3	0	2	128	9,184	4	0	2	133	9,363	4	0	2	136
			T5W	8,955	4	0	2	130	9,333	4	0	2	135	9,515	4	0	2	138
			T5LG	8,838	3	0	1	128	9,211	3	0	1	134	9,390	3	0	1	136
			BLC3	6,139	0	0	2	89	6,398	0	0	2	93	6,522	0	0	2	95
			BLC4	6,340	0	0	3	92	6,607	0	0	3	96	6,736	0	0	3	98
			RCCO	6,194	1	0	2	90	6,455	1	0	2	94	6,581	1	0	2	95
			LCCO	6,194	1	0	2	90	6,455	1	0	2	94	6,581	1	0	2	95
			AFR	9,006	1	0	2	131	9,386	1	0	2	136	9,569	1	0	2	139
			P4	82W	20	T1S	11,396	1	0	2	122	11,877	1	0	2	128	12,109	2
T2M	10,557	2				0	3	113	11,003	2	0	3	118	11,217	2	0	3	121
T3M	10,680	2				0	3	115	11,130	2	0	3	120	11,347	2	0	3	122
T3LG	9,540	1				0	2	103	9,942	1	0	2	107	10,136	1	0	2	109
T4M	10,839	2				0	3	117	11,296	2	0	3	121	11,516	2	0	4	124
T4LG	9,858	1				0	2	106	10,274	1	0	2	110	10,474	1	0	2	113
TFTM	10,914	2				0	3	117	11,374	2	0	3	122	11,596	2	0	3	125
T5M	11,152	4				0	2	120	11,622	4	0	2	125	11,849	4	0	2	127
T5W	11,332	4				0	3	122	11,811	4	0	3	127	12,041	4	0	3	129
T5LG	11,184	3				0	1	120	11,656	3	0	2	125	11,883	3	0	2	128
BLC3	7,768	0				0	2	83	8,096	0	0	2	87	8,254	0	0	2	89
BLC4	8,023	0				0	3	86	8,362	0	0	3	90	8,524	0	0	3	92
RCCO	7,838	1				0	2	84	8,169	1	0	2	88	8,328	1	0	2	90
LCCO	7,838	1				0	2	84	8,169	1	0	2	88	8,328	1	0	2	90
AFR	11,396	1				0	2	122	11,877	1	0	2	128	12,109	2	0	2	130

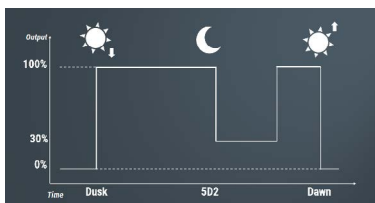
\*Wattage depends on project location and Solar Engine size. Contact the Sol By Sunna Design's Sales Team for quoting your Lithonia Solar Lighting Solutions. Email: [sales@solarlighting.com](mailto:sales@solarlighting.com) or Call: 1-800-959-1329

## EVERGEN® M with DSX0 Operating Profile Examples



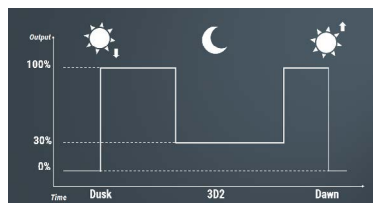
**Dusk to Dawn (D2D)**

On at dusk at 100% lumen output - then off at dawn.



**Five Dim Two (5D2)**

100% at dusk for 5 hours - then dim to 30% - then 100% for 2 hours before dawn.



**Three Dim Two (3D2)**

100% at dusk for 3 hours - then dim to 30% - then 100% for 2 hours before dawn.

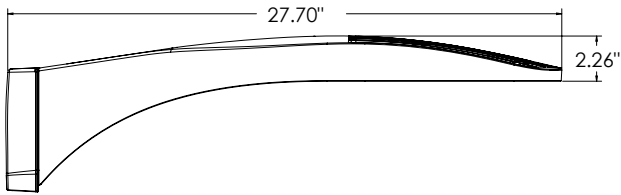


The following table below shows the regional lighting performance package by major cities.

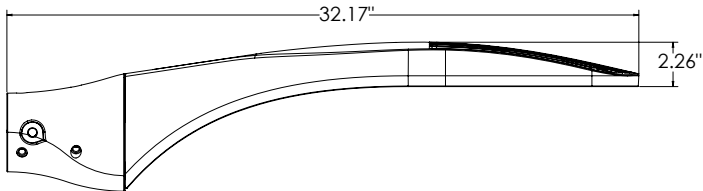
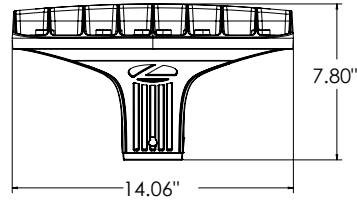
CITY	Seattle	San Francisco	Los Angeles	Phoenix	Albuquerque	Dallas	Denver	Atlanta	Indianapolis	Miami	Philadelphia
P101	5D2	D2D	D2D	D2D	D2D	D2D	D2D	D2D	5D2	D2D	D2D
P102	3D2	D2D	D2D	D2D	D2D	D2D	D2D	D2D	5D2	D2D	5D2
P103		5D2	5D2	D2D	5D2	5D2	5D2	5D2		5D2	3D2
P104			5D2	5D2	5D2	3D2	3D2			5D2	

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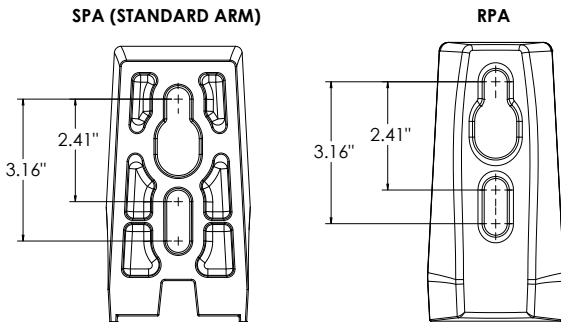
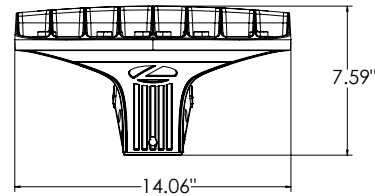
## Dimensions



**DSX0 with RPA mount**  
**Weight: 25 lbs**



**DSX0 with MA mount**  
**Weight: 28 lbs**



## FEATURES & SPECIFICATIONS

### INTENDED USE

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

### CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. Housing driver compartment is completely sealed against moisture and environmental contaminants (IP66). Vibration rated per ANSI C136.31 for 3G. Low EPA (0.44 ft<sup>2</sup>) for optimized pole wind loading.

### FINISH

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

### OPTICS

Precision-molded proprietary silicone lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in 3000 K, 4000 K or 5000 K (70 CRI) configurations. 80CRI configurations are also available. The D-Series Size 0 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

### ELECTRICAL

No Driver included, input power managed via Sol By Sunna's Solar Lighting Engine. Wattage depends on project location and Solar Engine size.

### INSTALLATION

Integral mounting arm allows for fast mounting using Lithonia standard #8 drilling and accommodates pole drilling's from 2.41 to 3.12" on center. The standard "SPA" option for square poles and the "RPA" option for round poles use the #8 drilling. Mast arm (MA) option allows luminaire attachment to a 2 3/8" horizontal mast arm.

### LISTINGS

UL listed to meet U.S. and Canadian standards. UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP66 rated. Rated for -40°C minimum ambient.

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

### GOVERNMENT PROCUREMENT

BAA – Buy America(n) Act: Product with the BAA option qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product with the BAA option also qualifies as manufactured in the United States under DOT Buy America regulations.

BABA – Build America Buy America: Product with the BAA option also qualifies as produced in the United States under the definitions of the Build America, Buy America Act.

Please refer to [www.acuitybrands.com/buy-american](http://www.acuitybrands.com/buy-american) for additional information.

### WARRANTY

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

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