



Enterprise Lighting Ltd
Manufacturers' Representative

Date: Nov 6, 2024

Enterprise Lighting, LTD.
2007 Pewaukee Rd.
Waukesha WI 53188
Phone: (262) 953-2700
Fax: (262) 953-2710

Job Name
720 N Mayfair Road
ELL24-133824

Bid Date
Nov 5, 2024

Submittal Date
Nov 6, 2024



Enterprise Lighting Ltd
Manufacturers' Representative

Transmittal

Enterprise Lighting, LTD.
2007 Pewaukee Rd.
Waukesha WI 53188
Phone: (262) 953-2700
From: Bonnie Bartlein

Project 720 N Mayfair Road
Quote# ELL24-133824
Location

Contact:

ATTACHED WE ARE SENDING YOU 1 COPY OF THE FOLLOWING ITEM:

- | | | |
|--|---|--------|
| <input checked="" type="checkbox"/> Drawings | <input type="checkbox"/> Specifications | Other: |
| <input type="checkbox"/> Prints | <input type="checkbox"/> Information | |
| <input type="checkbox"/> Plans | <input type="checkbox"/> Submittals | |

THESE ARE TRANSMITTED FOR:

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| <input type="checkbox"/> Prior Approval | <input type="checkbox"/> Resubmittal for Approval | <input type="checkbox"/> Record |
| <input checked="" type="checkbox"/> Approval | <input type="checkbox"/> Corrections | Bids due on: |
| <input type="checkbox"/> Approval as Submitted | <input type="checkbox"/> Your Use | Other: |
| <input type="checkbox"/> Approval as Noted | <input type="checkbox"/> Review and Comment | |

Type	MFG	Part
OA4H	Lithonia Exterior	DSX1 LED P1 **K **CRI T4M MVOLT HS SPA *STD FINISH*
OA4H	Utility Metals- aka Fabricated Metals	SSS4-11-20-DM19AS-*STD FINISH*
OA4H-2	Lithonia Exterior	DSX1 LED P1 **K **CRI T4M MVOLT HS SPA *STD FINISH*
OA4H-2	Utility Metals- aka Fabricated Metals	SSS4-11-20-DM28AS-*STD FINISH*
OW1	Kuzco Lighting	EW70714-BK
OW2	Lithonia Exterior	WPX0 LED ALO SWW2 MVOLT PE DDBXD M2
OW3	Lithonia Exterior	WPX1 LED P2 **K MVOLT DDBXD M4
ST-14	ALUZ aka CA Accent Lighting Inc CA	A5-ZOZO-STN-24"-27K-GSF-WET-14FT / A5-ZOZO-PP / A5-ZOZO-EC / A5- ZOZO-CL-18 / A5-ZOZO-AC-18-50'
ST-15	ALUZ aka CA Accent Lighting Inc CA	A5-ZOZO-STN-24"-27K-GSF-WET-15FT / A5-ZOZO-PP / A5-ZOZO-EC / A5- ZOZO-CL-18 / A5-ZOZO-AC-18-50'



Job Name:
720 N Mayfair Road

Catalog Number:
DSX1 LED P1 **K **CRI T4M MVOLT
HS SPA *STD FINISH*

Type:
OA4H

ELL24-133824



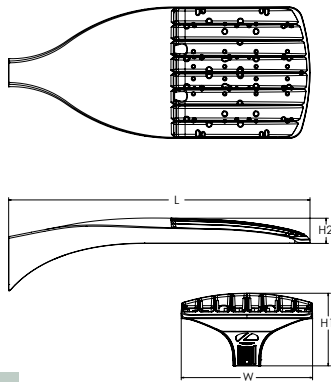
D-Series Size 1 LED Area Luminaire



d^{series}

Specifications

- EPA:** 0.69 ft² (0.06 m²)
- Length:** 32.71" (83.1 cm)
- Width:** 14.26" (36.2 cm)
- Height H1:** 7.88" (20.0 cm)
- Height H2:** 2.73" (6.9 cm)
- Weight:** 34 lbs (15.4 kg)



ds Design Select options indicated by this color background.

Catalog Number
Notes
Type

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

Introduction

The 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 photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.



Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect. *See ordering tree for details

Ordering Information

EXAMPLE: DSX1 LED P7 40K 70CRI T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX1 LED		**K-**CRI = Specify					
Series	LEDs	Color temperature ²	Color Rendering Index ²	Distribution		Voltage	Mounting
DSX1 LED	Forward optics	(this section 70CRI only)		AFR Automotive front row	TSM Type V medium	MVOLT (120V-277V) ⁴	Shipped included SPA Square pole mounting (#8 drilling) RPA Round pole mounting (#8 drilling) SPA5 Square pole mounting #5 drilling ⁹ RPA5 Round pole mounting #5 drilling ⁹ SPA8N Square narrow pole mounting #8 drilling WBA Wall bracket ¹⁰ MA Mast arm adapter (mounts on 2 3/8" OD horizontal tenon)
	P1 P6	30K 3000K	70CRI	T1S Type I short	TSLG Type V low glare	HVOLT (347V-480V) ^{5,6}	
	P2 P7	40K 4000K	70CRI	T2M Type II medium	TSW Type V wide	XVOLT (277V - 480V) ^{7,8}	
	P3 P8	50K 5000K	70CRI	T3M Type III medium	BLC3 Type III backlight control ³	120 ^{16,26}	
	P4 P9	(this section 80CRI only, extended lead times apply)		T3LG Type III low glare ³	BLC4 Type IV backlight control ³	208 ^{16,26}	
	P5			T4M Type IV medium	LCCO Left corner cutoff ³	240 ^{16,26}	
	Rotated optics	27K 2700K	80CRI	T4LG Type IV low glare ⁷	RCCO Right corner cutoff ³	277 ^{16,26}	
	P10 ¹ P12 ¹	30K 3000K	80CRI	TFTM Forward throw medium		347 ^{16,26}	
	P11 ¹ P13 ¹	35K 3500K	80CRI			480 ^{16,26}	
		40K 4000K	80CRI				
	50K 5000K	80CRI					
Control options		Other options				Finish (required)	
Shipped installed		Shipped installed				DDBXD Dark Bronze	
NLTAIR2 PIRHN	nLight AIR gen 2 enabled with bi-level motion / ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc ^{11,12,20,21}	PER7 Seven-pin receptacle only (controls ordered separate) ^{14,21}	FAO Field adjustable output ^{15,21}	SPD20KV 20KV surge protection	HS Houseside shield (black finish standard) ²²	DBLXD Black	
PIR	High/low, motion/ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc ^{13,20,21}	BL30 Bi-level switched dimming, 30% ^{16,21}	BL50 Bi-level switched dimming, 50% ^{16,21}	L90 Left rotated optics ¹	R90 Right rotated optics ¹	DNAXD Natural Aluminum	
PER	NEMA twist-lock receptacle only (controls ordered separate) ¹⁴	DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) ¹⁷	DS Dual switching ^{18,19,21}	CCE Coastal Construction ²³	HA 50°C ambient operation ²⁴	DWHXD White	
PERS	Five-pin receptacle only (controls ordered separate) ^{14,21}			BAA Buy America(n) Act and/or Build America Buy America Qualified	SF Single fuse (120, 277, 347V) ²⁶	DDBTXD Textured dark bronze	
				DF Double fuse (208, 240, 480V) ²⁶		DBLTXD Textured black	
				Shipped separately		DNATXD Textured natural aluminum	
				EGSR External Glare Shield (reversible, field install required, matches housing finish)		DWHGXD Textured white	
				BSD B Bird Spikes (field install required)			





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	Shorting cap ²⁵
DSX1HS P#	House-side shield (enter package number 1-13 in place of #)
DSXRPA (FINISH)	Round pole adapter (#8 drilling, specify finish)
DSXSPA5 (FINISH)	Square pole adapter #5 drilling (specify finish)
DSXRPA5 (FINISH)	Round pole adapter #5 drilling (specify finish)
DSXIEGSR (FINISH)	External glare shield (specify finish)
DSX1BSDB (FINISH)	Bird spike deterrent bracket (specify finish)

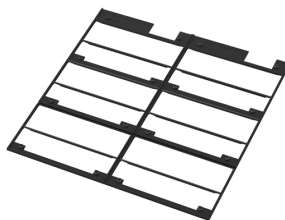
NOTES

- Rotated optics available with packages P10, P11, P12 and P13. Must be combined with option L90 or R90.
- 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.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
- HVOLT not available with package P1 and P10 when combined with option NLTAIR2 PIRHN or option PIR.
- XVOLT operates with any voltage between 277V and 480V (50/60 Hz).
- XVOLT not available in packages P1 or P10. XVOLT not available with fusing (SF or DF).
- SPA5 and RPA5 for use with #5 drilling only (Not for use with #8 drilling).
- WBA cannot be combined with Type 5 distributions plus photocell (PER).
- NLTAIR2 and PIRHN must be ordered together. For more information on nLight AIR2 visit this [link](#).
- NLTAIR2 PIRHN not available with other controls including PIR, PER, PER5, PER7, FAO, BL30, BL50, DMG and DS. NLTAIR2 PIRHN not available with P1 and P10 using HVOLT. NLTAIR2 PIRHN not available with P1 and P10 using XVOLT.
- PIR not available with NLTAIR2 PIRHN, PER, PER5, PER7, FAO BL30, BL50, DMG and DS. PIR not available with P1 and P10 using HVOLT. PIR not available with P1 and P10 using XVOLT.
- PER/PER5/PER7 not available with NLTAIR2 PIRHN, PIR, BL30, BL50, FAO, DMG and DS. Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
- FAO not available with other dimming control options NLTAIR2 PIRHN, PIR, PER5, PER7, BL30, BL50, DMG and DS.
- BL30 and BL50 are not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, FAO, DMG and DS. BL30 or BL50 must specify 120, 277 or 347V. Consult tech support for 208, 240 or 480V.
- DMG not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50, FAO and DS.
- DS not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50, FAO and DMG.
- DS requires (2) separately switched circuits. DS provides 50/50 fixture operation via (2) different sets of leads using (2) drivers. DS only available with packages P8, P9, P10, P11, P12 and P13.
- Reference Motion Sensor Default Settings table on page 4 to see functionality.
- Reference Controls Options table on page 4.
- HS not available with T3LG, T4LG, BLC3, BLC4, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
- CCE option not available with option BS and EGSR. Contact Technical Support for availability.
- Option HA not available with performance packages P4, P5, P7, P8, P9 and P13.
- Requires luminaire to be specified with PER, PER5 or PER7 option. See Controls Table on page 4.
- Single fuse (SF) requires 120V, 277V, or 347V. Double fuse (DF) requires 208V, 240V or 480V. XVOLT not available with fusing (SF or DF).

Shield Accessories



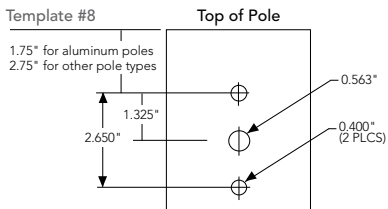
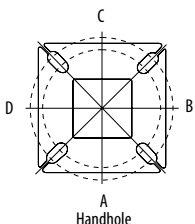
External Glare Shield (EGSR)



House Side Shield (HS)

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
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"
SPA5	#5	3"	3"	3"	3"		3"
RPA5	#5	3"	3"	3"	3"	3"	3"
SPA8N	#8	3"	3"	3"	3"		3"

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 with SPA	0.69	1.38	1.23	1.54	---	1.58
DSX1 with SPA5, SPA8N	0.70	1.40	1.30	1.66	---	1.68
DSX1 with RPA, RPA5	0.70	1.40	1.30	1.66	1.60	1.68
DSX1 with MA	0.83	1.66	1.50	2.09	2.09	2.09



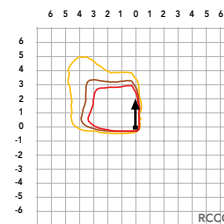
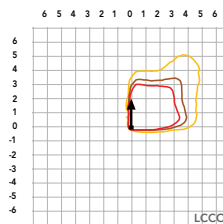
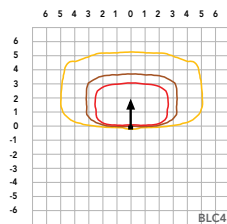
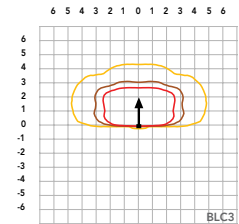
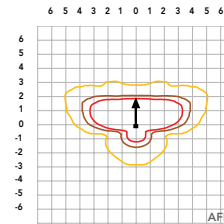
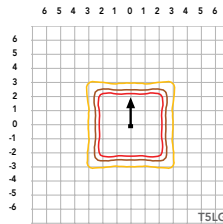
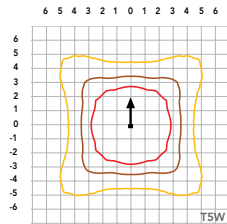
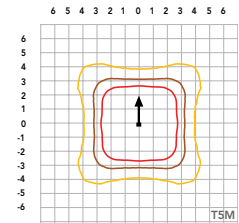
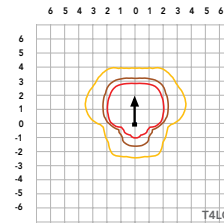
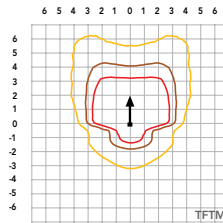
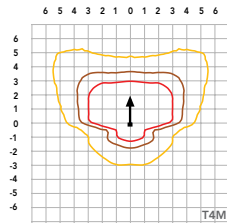
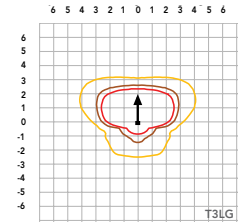
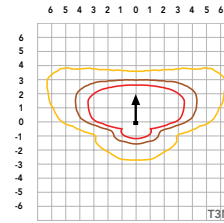
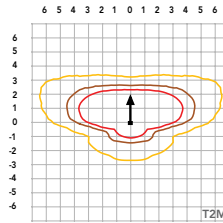
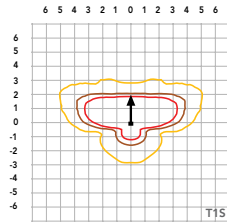
Photometric Diagrams

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

Isofootcandle plots for the DSX1 LED P9 40K 70CRI. Distances are in units of mounting height (25').

LEGEND

- 0.1 fc
- 0.5 fc
- 1.0 fc





Job Name:
720 N Mayfair Road

Catalog Number:
DSX1 LED P1 **K **CRI T4M MVOLT
HS SPA *STD FINISH*
Notes:

Type:

OA4H

ELL24-133824

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	1.04
5°C	1.04
10°C	1.03
15°C	1.02
20°C	1.01
25°C	1.00
30°C	0.99
35°C	0.98
40°C	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	0.95
50,000	0.90
100,000	0.81

FAO Dimming Settings

FAO Position	% Wattage	% Lumen Output
8	100%	100%
7	93%	95%
6	80%	85%
5	66%	73%
4	54%	61%
3	41%	49%
2	29%	36%
1	15%	20%

*Note: Calculated values are based on original performance package data. When calculating new values for given FAO position, use maximum published values by package listed on specification sheet (input watts and lumens by optic type).

Electrical Load

	Performance Package	LED Count	Drive Current (mA)	Wattage	Current (A)					
					120V	208V	240V	277V	347V	480V
Forward Optics (Non-Rotated)	P1	30	530	51	0.42	0.24	0.21	0.18	0.15	0.11
	P2	30	700	68	0.56	0.33	0.28	0.24	0.20	0.14
	P3	30	1050	104	0.85	0.49	0.43	0.37	0.29	0.21
	P4	30	1250	125	1.03	0.60	0.52	0.45	0.36	0.26
	P5	30	1400	142	1.15	0.66	0.58	0.50	0.40	0.29
	P6	40	1250	167	1.38	0.79	0.69	0.60	0.48	0.34
	P7	40	1400	188	1.54	0.89	0.77	0.67	0.53	0.38
	P8	60	1100	216	1.80	1.04	0.90	0.78	0.62	0.45
	P9	60	1400	279	2.31	1.33	1.15	1.00	0.80	0.58
Rotated Optics (Requires L90 or R90)	P10	60	530	101	0.84	0.49	0.42	0.37	0.29	0.21
	P11	60	700	135	1.12	0.65	0.56	0.49	0.39	0.28
	P12	60	1050	206	1.72	0.99	0.86	0.74	0.59	0.43
	P13	60	1400	279	2.30	1.33	1.15	1.00	0.79	0.57

LED Color Temperature / Color Rendering Multipliers

	70 CRI		80CRI		90CRI	
	Lumen Multiplier	Availability	Lumen Multiplier	Availability	Lumen Multiplier	Availability
5000K	102%	Standard	92%	Extended lead-time	71%	(see note)
4000K	100%	Standard	92%	Extended lead-time	67%	(see note)
3500K	100%	(see note)	90%	Extended lead-time	63%	(see note)
3000K	96%	Standard	87%	Extended lead-time	61%	(see note)
2700K	94%	(see note)	85%	Extended lead-time	57%	(see note)

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

Motion Sensor Default Settings

Option	Unoccupied Dimmed Level	High Level (when occupied)	Photocell Operation	Dwell Time	Ramp-up Time	Dimming Fade Rate
PIR	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min
NLTAIR2 PIRHN	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min

Controls Options

Nomenclature	Description	Functionality	Primary control device	Notes
FAO	Field adjustable output device installed inside the luminaire; wired to the driver dimming leads.	Allows the luminaire to be manually dimmed, effectively trimming the light output.	FAO device	Cannot be used with other controls options that need the 0-10V leads
DS (not available on DSX0)	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.
PER5 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. Cannot be used with other controls options that need the 0-10V leads.
PIR	Motion sensor with integral photocell. Sensor suitable for 8' to 40' mounting height.	Luminaires dim when no occupancy is detected.	Acuity Controls rSBG	Cannot be used with other controls options that need the 0-10V leads.
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 Elypse.	nLight Air rSBG	nLight AIR sensors can be programmed and commissioned from the ground using the ClAIRty Pro app. Cannot be used with other controls options that need the 0-10V leads.
BL30 or BL50	Integrated bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output	BLC device provides input to 0-10V dimming leads on all drivers providing either 100% or dimmed (30% or 50%) control by a secondary circuit	BLC UVOLT1	BLC device is powered off the 0-10V dimming leads, thus can be used with any input voltage from 120 to 480V



Job Name:
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Catalog Number:
DSX1 LED P1 **K **CRI T4M MVOLT
HS SPA *STD FINISH*
Notes:

Type:
OA4H

ELL24-133824

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 configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

Forward Optics

Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)								
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW				
					P1	51W	30	530	T1S	7,776	1	0	2	153	8,104	1	0	2	159	8,262	1	0	2
T2M	7,203	1	0	3					142	7,507	2	0	3	147	7,653	2	0	3	150				
T3M	7,287	1	0	3					143	7,594	1	0	3	149	7,742	1	0	3	152				
T3LG	6,509	1	0	1					128	6,783	1	0	1	133	6,916	1	0	1	136				
T4M	7,395	1	0	3					145	7,707	1	0	3	151	7,857	1	0	3	154				
T4LG	6,726	1	0	1					132	7,010	1	0	1	138	7,146	1	0	1	140				
TFTM	7,446	1	0	3					146	7,760	1	0	3	152	7,912	1	0	3	155				
T5M	7,609	3	0	2					149	7,930	3	0	2	156	8,084	3	0	2	159				
T5W	7,732	3	0	2					152	8,058	4	0	2	158	8,215	4	0	2	161				
T5LG	7,631	3	0	1					150	7,953	3	0	1	156	8,108	3	0	1	159				
BLC3	5,300	0	0	2					104	5,524	0	0	2	109	5,631	0	0	2	111				
BLC4	5,474	0	0	3					108	5,705	0	0	3	112	5,816	0	0	3	114				
RCCO	5,348	0	0	2					105	5,573	0	0	2	109	5,682	0	0	2	112				
LCCO	5,348	0	0	2					105	5,573	0	0	2	109	5,682	0	0	2	112				
AFR	7,776	1	0	2					153	8,104	1	0	2	159	8,262	1	0	2	162				
P2	68W	30	700	T1S					9,997	1	0	2	147	10,418	1	0	2	154	10,621	1	0	2	157
				T2M					9,260	2	0	3	137	9,651	2	0	3	142	9,839	2	0	3	145
				T3M					9,368	2	0	3	138	9,763	2	0	3	144	9,953	2	0	3	147
				T3LG	8,368	1	0	2	123	8,721	1	0	2	129	8,891	1	0	2	131				
				T4M	9,507	2	0	3	140	9,909	2	0	3	146	10,102	2	0	3	149				
				T4LG	8,647	1	0	2	128	9,012	1	0	2	133	9,187	1	0	2	136				
				TFTM	9,573	2	0	3	141	9,977	2	0	3	147	10,172	2	0	3	150				
				T5M	9,782	4	0	2	144	10,195	4	0	2	150	10,393	4	0	2	153				
				T5W	9,940	4	0	2	147	10,360	4	0	2	153	10,562	4	0	2	156				
				T5LG	9,810	3	0	1	145	10,224	3	0	1	151	10,423	3	0	1	154				
				BLC3	6,814	0	0	2	101	7,101	0	0	2	105	7,240	0	0	2	107				
				BLC4	7,038	0	0	3	104	7,334	0	0	3	108	7,477	0	0	3	110				
				RCCO	6,875	1	0	2	101	7,165	1	0	2	106	7,305	1	0	2	108				
				LCCO	6,875	1	0	2	101	7,165	1	0	2	106	7,305	1	0	2	108				
				AFR	9,997	1	0	2	147	10,418	1	0	2	154	10,621	1	0	2	157				
				P3	102W	30	1050	T1S	14,093	2	0	2	138	14,687	2	0	2	144	14,973	2	0	2	147
								T2M	13,055	2	0	3	128	13,605	2	0	3	133	13,871	2	0	3	136
								T3M	13,206	2	0	4	129	13,763	2	0	4	135	14,031	2	0	4	137
T3LG	11,797	2	0					2	115	12,294	2	0	2	120	12,534	2	0	2	123				
T4M	13,403	2	0					4	131	13,968	2	0	4	137	14,241	2	0	4	139				
T4LG	12,190	2	0					2	119	12,704	2	0	2	124	12,952	2	0	2	127				
TFTM	13,496	2	0					4	132	14,065	2	0	4	138	14,339	2	0	4	140				
T5M	13,790	4	0					2	135	14,371	4	0	2	141	14,652	4	0	2	143				
T5W	14,013	4	0					3	137	14,605	4	0	3	143	14,889	4	0	3	146				
T5LG	13,830	3	0					2	135	14,413	3	0	2	141	14,694	3	0	2	144				
BLC3	9,606	0	0					2	94	10,011	0	0	2	98	10,206	0	0	2	100				
BLC4	9,921	0	0					3	97	10,340	0	0	3	101	10,541	0	0	3	103				
RCCO	9,692	1	0					2	95	10,101	1	0	2	99	10,298	1	0	2	101				
LCCO	9,692	1	0					2	95	10,101	1	0	2	99	10,298	1	0	2	101				
AFR	14,093	2	0					2	138	14,687	2	0	2	144	14,973	2	0	2	147				





Job Name:
720 N Mayfair Road

Catalog Number:
DSX1 LED P1 **K **CRI T4M MVOLT
HS SPA *STD FINISH*
Notes:

Type:
OA4H

ELL24-133824

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 configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

Forward Optics

Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)								
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW				
					P4	124W	30	1250	T1S	16,416	2	0	3	132	17,109	2	0	3	138	17,442	2	0	3
T2M	15,207	3	0	4					123	15,849	3	0	4	128	16,158	3	0	4	130				
T3M	15,383	2	0	4					124	16,032	2	0	4	129	16,345	2	0	4	132				
T3LG	13,742	2	0	2					111	14,321	2	0	2	116	14,600	2	0	2	118				
T4M	15,613	2	0	4					126	16,272	2	0	4	131	16,589	2	0	4	134				
T4LG	14,200	2	0	2					115	14,799	2	0	2	119	15,087	2	0	2	122				
TFTM	15,721	2	0	4					127	16,384	2	0	4	132	16,703	2	0	4	135				
T5M	16,063	4	0	2					130	16,741	4	0	2	135	17,067	4	0	2	138				
T5W	16,324	5	0	3					132	17,013	5	0	3	137	17,344	5	0	3	140				
T5LG	16,110	3	0	2					130	16,790	4	0	2	135	17,117	4	0	2	138				
BLC3	11,190	0	0	3					90	11,662	0	0	3	94	11,889	0	0	3	96				
BLC4	11,557	0	0	3					93	12,044	0	0	3	97	12,279	0	0	3	99				
RCCO	11,291	1	0	3					91	11,767	1	0	3	95	11,996	1	0	3	97				
LCCO	11,291	1	0	3					91	11,767	1	0	3	95	11,996	1	0	3	97				
AFR	16,416	2	0	3					132	17,109	2	0	3	138	17,442	2	0	3	141				
P5	138W	30	1400	T1S					18,052	2	0	3	131	18,814	2	0	3	136	19,180	2	0	3	139
				T2M					16,723	3	0	4	121	17,428	3	0	4	126	17,768	3	0	4	129
				T3M					16,917	3	0	4	122	17,630	3	0	4	128	17,974	3	0	4	130
				T3LG	15,111	2	0	2	109	15,749	2	0	2	114	16,055	2	0	2	116				
				T4M	17,169	3	0	5	124	17,893	3	0	5	130	18,242	3	0	5	132				
				T4LG	15,615	2	0	2	113	16,274	2	0	2	118	16,591	2	0	2	120				
				TFTM	17,288	2	0	4	125	18,017	2	0	5	130	18,368	3	0	5	133				
				T5M	17,664	5	0	3	128	18,410	5	0	3	133	18,768	5	0	3	136				
				T5W	17,951	5	0	3	130	18,708	5	0	3	135	19,073	5	0	3	138				
				T5LG	17,716	4	0	2	128	18,463	4	0	2	134	18,823	4	0	2	136				
				BLC3	12,305	0	0	3	89	12,824	0	0	3	93	13,074	0	0	3	95				
				BLC4	12,709	0	0	4	92	13,245	0	0	4	96	13,503	0	0	4	98				
				RCCO	12,416	1	0	3	90	12,940	1	0	3	94	13,192	1	0	3	95				
				LCCO	12,416	1	0	3	90	12,940	1	0	3	94	13,192	1	0	3	95				
				AFR	18,052	2	0	3	131	18,814	2	0	3	136	19,180	2	0	3	139				
				P6	165W	40	1250	T1S	21,031	2	0	3	127	21,918	2	0	3	133	22,345	2	0	3	135
								T2M	19,482	3	0	4	118	20,303	3	0	4	123	20,699	3	0	4	125
								T3M	19,708	3	0	5	119	20,539	3	0	5	124	20,939	3	0	5	127
T3LG	17,604	2	0					2	107	18,347	2	0	2	111	18,704	2	0	2	113				
T4M	20,001	3	0					5	121	20,845	3	0	5	126	21,251	3	0	5	129				
T4LG	18,191	2	0					2	110	18,959	2	0	2	115	19,328	2	0	2	117				
TFTM	20,140	3	0					5	122	20,989	3	0	5	127	21,398	3	0	5	129				
T5M	20,579	5	0					3	125	21,447	5	0	3	130	21,865	5	0	3	132				
T5W	20,912	5	0					3	127	21,795	5	0	3	132	22,219	5	0	3	134				
T5LG	20,638	4	0					2	125	21,509	4	0	2	130	21,928	4	0	2	133				
BLC3	14,335	0	0					3	87	14,940	0	0	3	90	15,231	0	0	3	92				
BLC4	14,805	0	0					4	90	15,430	0	0	4	93	15,731	0	0	4	95				
RCCO	14,464	1	0					3	88	15,074	1	0	3	91	15,368	1	0	3	93				
LCCO	14,464	1	0					3	88	15,074	1	0	3	91	15,368	1	0	3	93				
AFR	21,031	2	0					3	127	21,918	2	0	3	133	22,345	2	0	3	135				





Job Name:
720 N Mayfair Road

Catalog Number:
DSX1 LED P1 **K **CRI T4M MVOLT
HS SPA *STD FINISH*
Notes:

Type:
OA4H

ELL24-133824

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 configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

Forward Optics

Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
					P7	184W	40	1400	T1S	22,741	2	0	3	123	23,700	2	0	3	129
T2M	21,066	3	0	4					114	21,955	3	0	4	119	22,383	3	0	4	121
T3M	21,311	3	0	5					116	22,210	3	0	5	120	22,642	3	0	5	123
T3LG	19,036	2	0	2					103	19,839	2	0	3	108	20,226	2	0	3	110
T4M	21,628	3	0	5					117	22,541	3	0	5	122	22,980	3	0	5	125
T4LG	19,671	2	0	2					107	20,501	2	0	3	111	20,900	2	0	3	113
TFTM	21,778	3	0	5					118	22,697	3	0	5	123	23,139	3	0	5	125
T5M	22,252	5	0	3					121	23,191	5	0	3	126	23,643	5	0	3	128
T5W	22,613	5	0	3					123	23,567	5	0	4	128	24,027	5	0	4	130
T5LG	22,317	4	0	2					121	23,258	4	0	2	126	23,712	4	0	2	129
BLC3	15,501	0	0	3					84	16,155	0	0	4	88	16,470	0	0	4	89
BLC4	16,010	0	0	4					87	16,685	0	0	4	90	17,010	0	0	4	92
RCCO	15,641	1	0	3					85	16,301	1	0	3	89	16,619	1	0	3	90
LCCO	15,641	1	0	3					85	16,301	1	0	3	89	16,619	1	0	3	90
AFR	22,741	2	0	3					123	23,700	2	0	3	129	24,162	3	0	3	131
P8	216W	60	1100	T1S	28,701	3	0	3	133	29,912	3	0	4	139	30,495	3	0	4	141
				T2M	26,587	3	0	5	123	27,709	3	0	5	128	28,249	3	0	5	131
				T3M	26,895	3	0	5	125	28,030	3	0	5	130	28,576	3	0	5	132
				T3LG	24,025	3	0	3	111	25,038	3	0	3	116	25,526	3	0	3	118
				T4M	27,296	3	0	5	127	28,448	3	0	5	132	29,002	3	0	5	134
				T4LG	24,826	3	0	3	115	25,873	3	0	3	120	26,378	3	0	3	122
				TFTM	27,485	3	0	5	127	28,645	3	0	5	133	29,203	3	0	5	135
				T5M	28,084	5	0	4	130	29,269	5	0	4	136	29,839	5	0	4	138
				T5W	28,539	5	0	4	132	29,743	5	0	4	138	30,323	5	0	4	141
				T5LG	28,165	4	0	2	131	29,354	4	0	2	136	29,926	4	0	2	139
				BLC3	19,563	0	0	4	91	20,388	0	0	4	94	20,786	0	0	4	96
				BLC4	20,205	0	0	5	94	21,057	0	0	5	98	21,468	0	0	5	99
				RCCO	19,740	1	0	4	91	20,572	1	0	4	95	20,973	1	0	4	97
				LCCO	19,740	1	0	4	91	20,572	1	0	4	95	20,973	1	0	4	97
				AFR	28,701	3	0	3	133	29,912	3	0	4	139	30,495	3	0	4	141
P9	277W	60	1400	T1S	34,819	3	0	4	126	36,288	3	0	4	131	36,996	3	0	4	134
				T2M	32,255	3	0	5	116	33,616	3	0	5	121	34,271	3	0	5	124
				T3M	32,629	3	0	5	118	34,006	3	0	5	123	34,668	3	0	5	125
				T3LG	29,146	3	0	3	105	30,376	3	0	4	110	30,968	3	0	4	112
				T4M	33,116	3	0	5	120	34,513	3	0	5	125	35,185	3	0	5	127
				T4LG	30,119	3	0	3	109	31,389	3	0	4	113	32,001	3	0	4	116
				TFTM	33,345	3	0	5	120	34,751	3	0	5	125	35,429	3	0	5	128
				T5M	34,071	5	0	4	123	35,509	5	0	4	128	36,201	5	0	4	131
				T5W	34,624	5	0	4	125	36,084	5	0	4	130	36,788	5	0	4	133
				T5LG	34,170	5	0	3	123	35,612	5	0	3	129	36,306	5	0	3	131
				BLC3	23,734	0	0	4	86	24,735	0	0	4	89	25,217	0	0	4	91
				BLC4	24,513	0	0	5	88	25,547	0	0	5	92	26,045	0	0	5	94
				RCCO	23,948	1	0	4	86	24,958	1	0	4	90	25,445	1	0	4	92
				LCCO	23,948	1	0	4	86	24,958	1	0	4	90	25,445	1	0	4	92
				AFR	34,819	3	0	4	126	36,288	3	0	4	131	36,996	3	0	4	134





Job Name:
720 N Mayfair Road

Catalog Number:
DSX1 LED P1 **K **CRI T4M MVOLT
HS SPA *STD FINISH*
Notes:

Type:
OA4H
ELL24-133824

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 configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

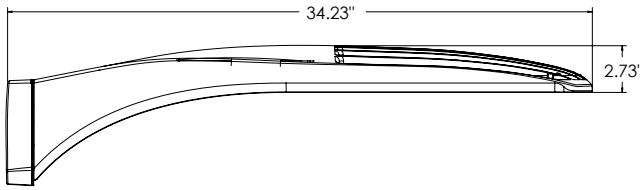
Rotated Optics

Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)																
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW												
					P10	101W	60	530	T1S	15,164	3	0	3	150	15,803	3	0	3	156	16,112	3	0	3	159							
P11	135W	60	700	T1S					19,437	4	0	4	144	20,257	4	0	4	150	20,651	4	0	4	153								
				P12					206W	60	1050	T1S	27,457	4	0	4	133	28,616	4	0	4	139	29,174	4	0	4	142				
												P13	276W	60	1400	T1S	34,436	5	0	5	125	35,889	5	0	5	130	36,588	5	0	5	133

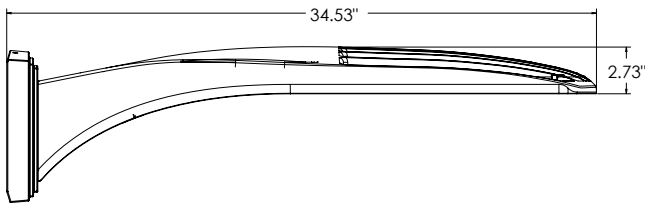
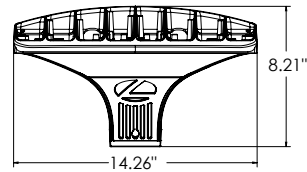




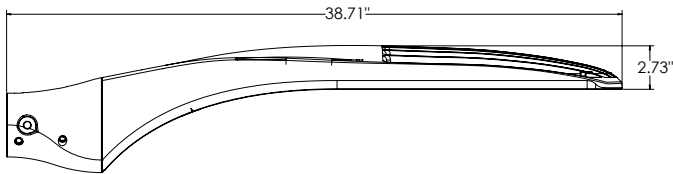
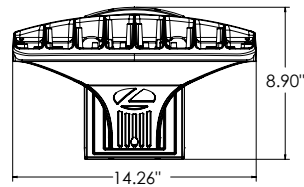
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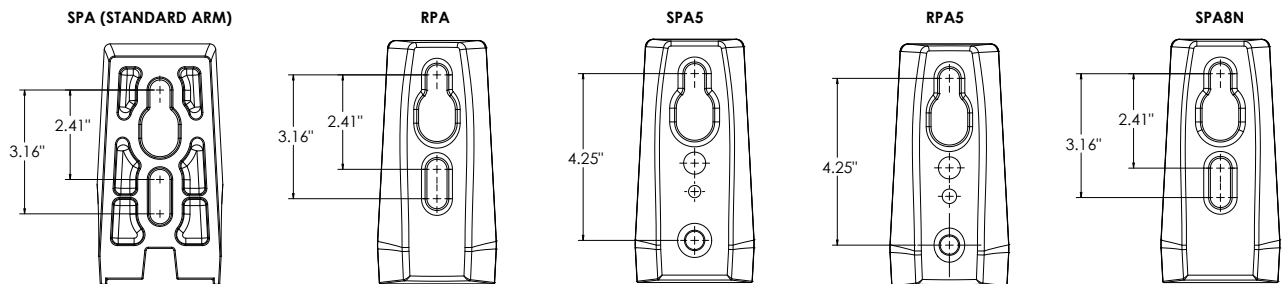
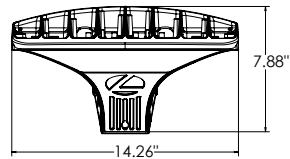
DSX1 with RPA, RPA5, SPA5, SPA8N mount
Weight: 36 lbs



DSX1 with WBA mount
Weight: 38 lbs



DSX1 with MA mount
Weight: 39 lbs

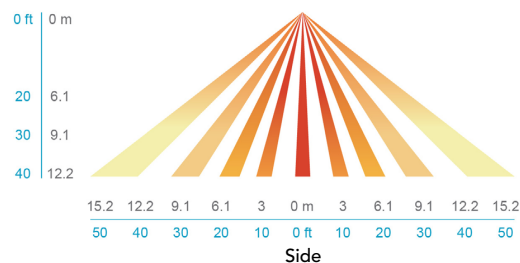
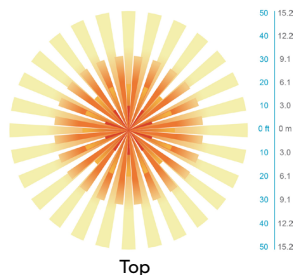




nLight Control - Sensor Coverage and Settings

nLight Sensor Coverage Pattern

NLTAIR2 PIRHN



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 driver compartment is completely sealed against moisture and environmental contaminants (IP66). Vibration rated per ANSI C136.31 for 3G for SPA and MA. 1.5G for mountings RPA, RPA5, SPA5 and SPA8N. Low EPA (0.69 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.

Coastal Construction (CCE)

Optional corrosion resistant construction is engineered with added corrosion protection in materials and/or pre-treatment of base material under super durable paint. Provides additional corrosion protection for applications near coastal areas. Finish is salt spray tested to over 5,000 hours per ASTM B117 with scribe rating of 10. Additional lead-times may apply.

OPTICS

Precision-molded proprietary silicone 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. 80CRI configurations are also available. 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 L81/100,000 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 sensor with on-board photocells feature field-adjustable programming and are suitable for mounting heights up to 40 feet. Control option BL features a bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output.

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

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. For #5 pole drillings, use SPA5 or RPA5. Additional mountings are available including a wall bracket (WBA) and mast arm (MA) option that 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.

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.

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 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

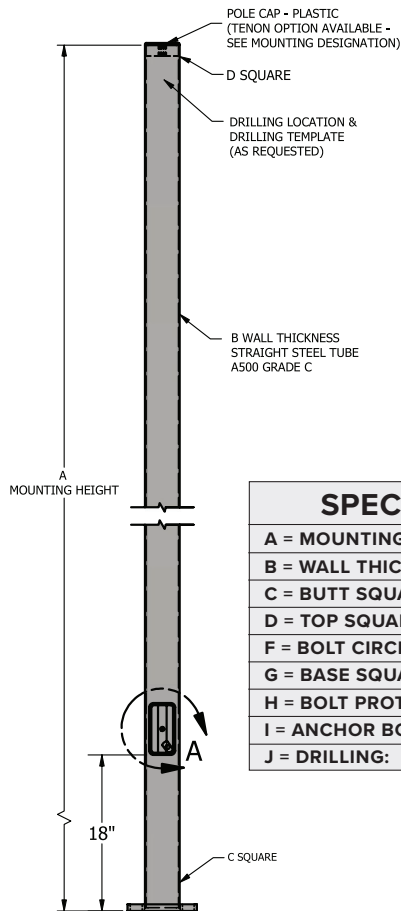
Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.



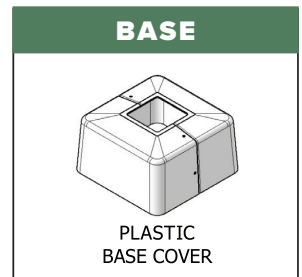
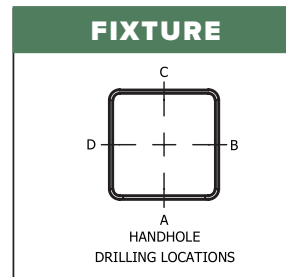
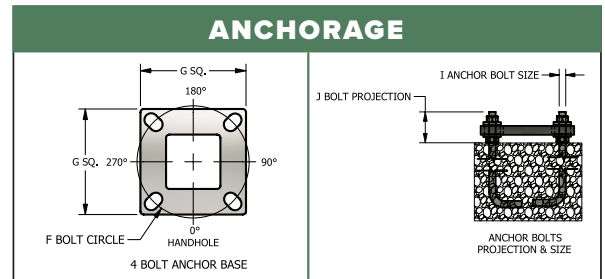
COMMERCIAL OUTDOOR



JOB NAME		PART NO.	
DESCRIPTION:		DRAWING NO.	REV
DRAWN BY:	APPROVED:	ECN:	SCALE:
		DATE:	



SPECIFICATIONS	
A = MOUNTING HEIGHT:	
B = WALL THICKNESS: 11 GA.	
C = BUTT SQUARE: 4"	
D = TOP SQUARE: 4"	
F = BOLT CIRCLE RANGE: 8" - 9"	
G = BASE SQUARE: 8"	
H = BOLT PROTECTION: 3.12"	
I = ANCHOR BOLT SIZE: 3/4" X 20" X 3"	
J = DRILLING:	



DM19AS = Drill mounting 1 at 90
STD FINISH = Specify



2013 AASHTO MAXIMUM EPA RATINGS WITH 3 SEC. WIND GUST							
STEEL SQUARE STRAIGHT POLE SSS 4 11 SERIES							
PART NUMBER	80 MPH SQ FT	90 MPH SQ FT	100 MPH SQ FT	110 MPH SQ FT	120 MPH SQ FT	130 MPH SQ FT	140 MPH SQ FT
SSS 4 11 10	39.47	30.68	24.40	19.75	16.22	13.46	9.52
SSS 4 11 12	31.97	24.66	19.43	15.56	12.62	10.32	7.04
SSS 4 11 14	26.38	20.18	15.71	12.40	9.89	7.93	5.12
SSS 4 11 15	23.98	18.30	14.14	11.06	8.72	6.90	4.29
SSS 4 11 16	22.08	16.64	12.75	9.88	7.69	5.98	3.54
SSS 4 11 18	16.28	13.79	10.35	7.81	5.87	4.37	2.21
SSS 4 11 20	14.37	10.40	7.56	5.46	3.86	2.62	0.83
SSS 4 11 22	12.02	8.44	5.88	3.98	2.54	1.42	0.00
SSS 4 11 25	9.04	5.52	3.43	1.89	0.72	0.00	0.00



Job Name:
720 N Mayfair Road

Catalog Number:
DSX1 LED P1 **K **CRI T4M MVOLT
HS SPA *STD FINISH*
Notes:

Type:
OA4H-2

ELL24-133824



D-Series Size 1 LED Area Luminaire



Catalog Number
Notes
Type

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

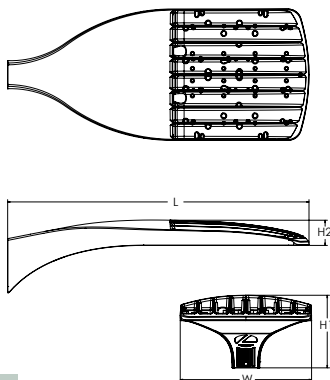
Introduction

The modern styling of the D-Series 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 photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

Specifications

- EPA:** 0.69 ft² (0.06 m²)
- Length:** 32.71" (83.1 cm)
- Width:** 14.26" (36.2 cm)
- Height H1:** 7.88" (20.0 cm)
- Height H2:** 2.73" (6.9 cm)
- Weight:** 34 lbs (15.4 kg)



ds Design Select options indicated by this color background.



Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect. *See ordering tree for details

Ordering Information

EXAMPLE: DSX1 LED P7 40K 70CRI T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX1 LED	**K-**CRI = Specify						
Series	LEDs	Color temperature ²	Color Rendering Index ³	Distribution	Voltage	Mounting	
DSX1 LED	Forward optics	(this section 70CRI only)		AFR Automotive front row	TSM Type V medium	MVOLT (120V-277V) ⁴	Shipped included SPA Square pole mounting (#8 drilling) RPA Round pole mounting (#8 drilling) SPA5 Square pole mounting #5 drilling ⁹ RPA5 Round pole mounting #5 drilling ⁹ SPA8N Square narrow pole mounting #8 drilling WBA Wall bracket ¹⁰ MA Mast arm adapter (mounts on 2 3/8" OD horizontal tenon)
	P1 P6	30K 3000K	70CRI	T1S Type I short	TSLG Type V low glare	HVOLT (347V-480V) ^{5,6}	
	P2 P7	40K 4000K	70CRI	T2M Type II medium	TSW Type V wide	XVOLT (277V - 480V) ^{7,8}	
	P3 P8	50K 5000K	70CRI	T3M Type III medium	BLC3 Type III backlight control ³	120 ^{16,26}	
	P4 P9	(this section 80CRI only, extended lead times apply)		T3LG Type III low glare ³	BLC4 Type IV backlight control ³	208 ^{16,26}	
	P5			T4M Type IV medium	LCCO Left corner cutoff ³	240 ^{16,26}	
	Rotated optics	27K 2700K	80CRI	T4LG Type IV low glare ⁷	RCCO Right corner cutoff ³	277 ^{16,26}	
	P10 ¹ P12 ¹	30K 3000K	80CRI	TFTM Forward throw medium		347 ^{16,26}	
	P11 ¹ P13 ¹	35K 3500K	80CRI			480 ^{16,26}	
		40K 4000K	80CRI				
	50K 5000K	80CRI					

Control options		Other options		Finish (required)
Shipped installed		Shipped installed		
NLTAIR2 PIRHN	nLight AIR gen 2 enabled with bi-level motion / ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc. ^{13,20,21}	PER7 Seven-pin receptacle only (controls ordered separate) ^{14,21}	SPD20KV 20KV surge protection	DDBXD Dark Bronze
PIR	High/low, motion/ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc. ^{13,20,21}	FAO Field adjustable output ^{15,21}	HS Houseside shield (black finish standard) ²²	DBLXD Black
PER	NEMA twist-lock receptacle only (controls ordered separate) ¹⁴	BL30 Bi-level switched dimming, 30% ^{16,21}	L90 Left rotated optics ¹	DNAXD Natural Aluminum
PER5	Five-pin receptacle only (controls ordered separate) ^{14,21}	BL50 Bi-level switched dimming, 50% ^{16,21}	R90 Right rotated optics ¹	DWHXD White
		DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) ¹⁷	CCE Coastal Construction ²³	DDBTXD Textured dark bronze
		DS Dual switching ^{18,19,21}	HA 50°C ambient operation ²⁴	DBLTXD Textured black
			BAA Buy America(n) Act and/or Build America Buy America Qualified	DNATXD Textured natural aluminum
			SF Single fuse (120, 277, 347V) ²⁶	DWHGXD Textured white
			DF Double fuse (208, 240, 480V) ²⁶	
			Shipped separately	
			EGSR External Glare Shield (reversible, field install required, matches housing finish)	
			BSDS Bird Spikes (field install required)	





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	Shorting cap ²⁵
DSX1HS P#	House-side shield (enter package number 1-13 in place of #)
DSXRPA (FINISH)	Round pole adapter (#8 drilling, specify finish)
DSXSPA5 (FINISH)	Square pole adapter #5 drilling (specify finish)
DSXRPA5 (FINISH)	Round pole adapter #5 drilling (specify finish)
DSXIEGSR (FINISH)	External glare shield (specify finish)
DSX1BSDB (FINISH)	Bird spike deterrent bracket (specify finish)

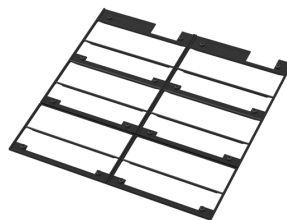
NOTES

- Rotated optics available with packages P10, P11, P12 and P13. Must be combined with option L90 or R90.
- 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.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
- HVOLT not available with package P1 and P10 when combined with option NLTAIR2 PIRHN or option PIR.
- XVOLT operates with any voltage between 277V and 480V (50/60 Hz).
- XVOLT not available in packages P1 or P10. XVOLT not available with fusing (SF or DF).
- SPA5 and RPA5 for use with #5 drilling only (Not for use with #8 drilling).
- WBA cannot be combined with Type 5 distributions plus photocell (PER).
- NLTAIR2 and PIRHN must be ordered together. For more information on nLight AIR2 visit this [link](#).
- NLTAIR2 PIRHN not available with other controls including PIR, PER, PER5, PER7, FAO, BL30, BL50, DMG and DS. NLTAIR2 PIRHN not available with P1 and P10 using HVOLT. NLTAIR2 PIRHN not available with P1 and P10 using XVOLT.
- PIR not available with NLTAIR2 PIRHN, PER, PER5, PER7, FAO BL30, BL50, DMG and DS. PIR not available with P1 and P10 using HVOLT. PIR not available with P1 and P10 using XVOLT.
- PER/PER5/PER7 not available with NLTAIR2 PIRHN, PIR, BL30, BL50, FAO, DMG and DS. Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
- FAO not available with other dimming control options NLTAIR2 PIRHN, PIR, PER5, PER7, BL30, BL50, DMG and DS.
- BL30 and BL50 are not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, FAO, DMG and DS. BL30 or BL50 must specify 120, 277 or 347V. Consult tech support for 208, 240 or 480V.
- DMG not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50, FAO and DS.
- DS not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50, FAO and DMG.
- DS requires (2) separately switched circuits. DS provides 50/50 fixture operation via (2) different sets of leads using (2) drivers. DS only available with packages P8, P9, P10, P11, P12 and P13.
- Reference Motion Sensor Default Settings table on page 4 to see functionality.
- Reference Controls Options table on page 4.
- HS not available with T3LG, T4LG, BLC3, BLC4, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
- CCE option not available with option BS and EGSR. Contact Technical Support for availability.
- Option HA not available with performance packages P4, P5, P7, P8, P9 and P13.
- Requires luminaire to be specified with PER, PER5 or PER7 option. See Controls Table on page 4.
- Single fuse (SF) requires 120V, 277V, or 347V. Double fuse (DF) requires 208V, 240V or 480V. XVOLT not available with fusing (SF or DF).

Shield Accessories



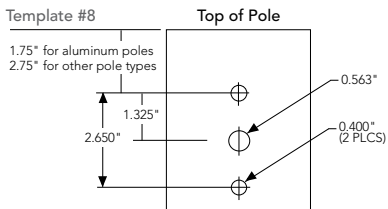
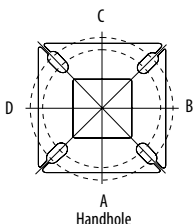
External Glare Shield (EGSR)



House Side Shield (HS)

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
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"
SPA5	#5	3"	3"	3"	3"		3"
RPA5	#5	3"	3"	3"	3"	3"	3"
SPA8N	#8	3"	3"	3"	3"		3"

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 with SPA	0.69	1.38	1.23	1.54	---	1.58
DSX1 with SPA5, SPA8N	0.70	1.40	1.30	1.66	---	1.68
DSX1 with RPA, RPA5	0.70	1.40	1.30	1.66	1.60	1.68
DSX1 with MA	0.83	1.66	1.50	2.09	2.09	2.09



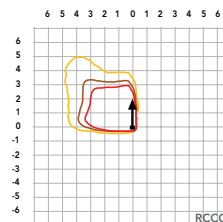
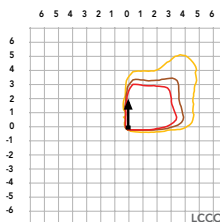
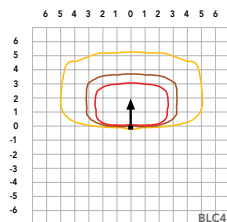
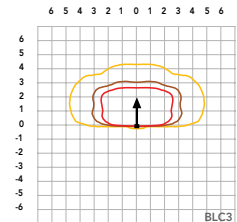
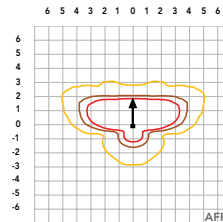
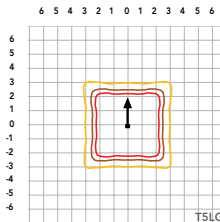
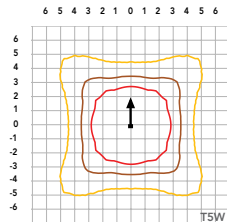
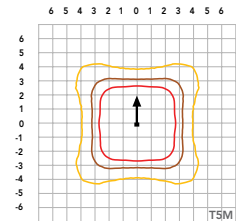
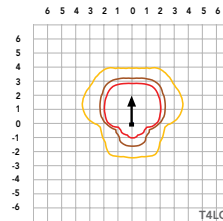
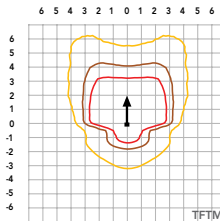
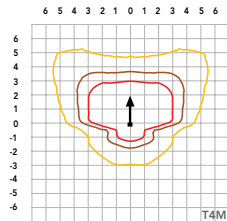
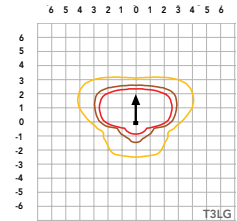
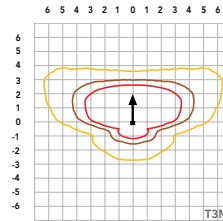
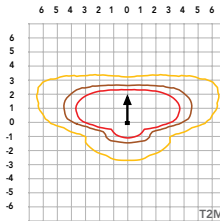
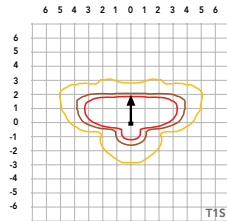
Photometric Diagrams

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

Isofootcandle plots for the DSX1 LED P9 40K 70CRI. Distances are in units of mounting height (25').

LEGEND

- 0.1 fc
- 0.5 fc
- 1.0 fc





Job Name:
720 N Mayfair Road

Catalog Number:
DSX1 LED P1 **K **CRI T4M MVOLT
HS SPA *STD FINISH*
Notes:

Type:

OA4H-2

ELL24-133824

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	1.04
5°C	1.04
10°C	1.03
15°C	1.02
20°C	1.01
25°C	1.00
30°C	0.99
35°C	0.98
40°C	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	0.95
50,000	0.90
100,000	0.81

FAO Dimming Settings

FAO Position	% Wattage	% Lumen Output
8	100%	100%
7	93%	95%
6	80%	85%
5	66%	73%
4	54%	61%
3	41%	49%
2	29%	36%
1	15%	20%

*Note: Calculated values are based on original performance package data. When calculating new values for given FAO position, use maximum published values by package listed on specification sheet (input watts and lumens by optic type).

Electrical Load

	Performance Package	LED Count	Drive Current (mA)	Wattage	Current (A)					
					120V	208V	240V	277V	347V	480V
Forward Optics (Non-Rotated)	P1	30	530	51	0.42	0.24	0.21	0.18	0.15	0.11
	P2	30	700	68	0.56	0.33	0.28	0.24	0.20	0.14
	P3	30	1050	104	0.85	0.49	0.43	0.37	0.29	0.21
	P4	30	1250	125	1.03	0.60	0.52	0.45	0.36	0.26
	P5	30	1400	142	1.15	0.66	0.58	0.50	0.40	0.29
	P6	40	1250	167	1.38	0.79	0.69	0.60	0.48	0.34
	P7	40	1400	188	1.54	0.89	0.77	0.67	0.53	0.38
	P8	60	1100	216	1.80	1.04	0.90	0.78	0.62	0.45
	P9	60	1400	279	2.31	1.33	1.15	1.00	0.80	0.58
Rotated Optics (Requires L90 or R90)	P10	60	530	101	0.84	0.49	0.42	0.37	0.29	0.21
	P11	60	700	135	1.12	0.65	0.56	0.49	0.39	0.28
	P12	60	1050	206	1.72	0.99	0.86	0.74	0.59	0.43
	P13	60	1400	279	2.30	1.33	1.15	1.00	0.79	0.57

LED Color Temperature / Color Rendering Multipliers

	70 CRI		80CRI		90CRI	
	Lumen Multiplier	Availability	Lumen Multiplier	Availability	Lumen Multiplier	Availability
5000K	102%	Standard	92%	Extended lead-time	71%	(see note)
4000K	100%	Standard	92%	Extended lead-time	67%	(see note)
3500K	100%	(see note)	90%	Extended lead-time	63%	(see note)
3000K	96%	Standard	87%	Extended lead-time	61%	(see note)
2700K	94%	(see note)	85%	Extended lead-time	57%	(see note)

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

Motion Sensor Default Settings

Option	Unoccupied Dimmed Level	High Level (when occupied)	Photocell Operation	Dwell Time	Ramp-up Time	Dimming Fade Rate
PIR	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min
NLTAIR2 PIRHN	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min

Controls Options

Nomenclature	Description	Functionality	Primary control device	Notes
FAO	Field adjustable output device installed inside the luminaire; wired to the driver dimming leads.	Allows the luminaire to be manually dimmed, effectively trimming the light output.	FAO device	Cannot be used with other controls options that need the 0-10V leads
DS (not available on DSX0)	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.
PER5 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. Cannot be used with other controls options that need the 0-10V leads.
PIR	Motion sensor with integral photocell. Sensor suitable for 8' to 40' mounting height.	Luminaires dim when no occupancy is detected.	Acuity Controls rSBG	Cannot be used with other controls options that need the 0-10V leads.
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 Elypse.	nLight Air rSBG	nLight AIR sensors can be programmed and commissioned from the ground using the ClAIRty Pro app. Cannot be used with other controls options that need the 0-10V leads.
BL30 or BL50	Integrated bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output	BLC device provides input to 0-10V dimming leads on all drivers providing either 100% or dimmed (30% or 50%) control by a secondary circuit	BLC UVOLT1	BLC device is powered off the 0-10V dimming leads, thus can be used with any input voltage from 120 to 480V



Job Name:
720 N Mayfair Road

Catalog Number:
DSX1 LED P1 **K **CRI T4M MVOLT
HS SPA *STD FINISH*
Notes:

Type:
OA4H-2
ELL24-133824

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 configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

Forward Optics

Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)								
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW				
					P1	51W	30	530	T1S	7,776	1	0	2	153	8,104	1	0	2	159	8,262	1	0	2
T2M	7,203	1	0	3					142	7,507	2	0	3	147	7,653	2	0	3	150				
T3M	7,287	1	0	3					143	7,594	1	0	3	149	7,742	1	0	3	152				
T3LG	6,509	1	0	1					128	6,783	1	0	1	133	6,916	1	0	1	136				
T4M	7,395	1	0	3					145	7,707	1	0	3	151	7,857	1	0	3	154				
T4LG	6,726	1	0	1					132	7,010	1	0	1	138	7,146	1	0	1	140				
TFTM	7,446	1	0	3					146	7,760	1	0	3	152	7,912	1	0	3	155				
T5M	7,609	3	0	2					149	7,930	3	0	2	156	8,084	3	0	2	159				
T5W	7,732	3	0	2					152	8,058	4	0	2	158	8,215	4	0	2	161				
T5LG	7,631	3	0	1					150	7,953	3	0	1	156	8,108	3	0	1	159				
BLC3	5,300	0	0	2					104	5,524	0	0	2	109	5,631	0	0	2	111				
BLC4	5,474	0	0	3					108	5,705	0	0	3	112	5,816	0	0	3	114				
RCCO	5,348	0	0	2					105	5,573	0	0	2	109	5,682	0	0	2	112				
LCCO	5,348	0	0	2					105	5,573	0	0	2	109	5,682	0	0	2	112				
AFR	7,776	1	0	2					153	8,104	1	0	2	159	8,262	1	0	2	162				
P2	68W	30	700	T1S					9,997	1	0	2	147	10,418	1	0	2	154	10,621	1	0	2	157
				T2M					9,260	2	0	3	137	9,651	2	0	3	142	9,839	2	0	3	145
				T3M					9,368	2	0	3	138	9,763	2	0	3	144	9,953	2	0	3	147
				T3LG	8,368	1	0	2	123	8,721	1	0	2	129	8,891	1	0	2	131				
				T4M	9,507	2	0	3	140	9,909	2	0	3	146	10,102	2	0	3	149				
				T4LG	8,647	1	0	2	128	9,012	1	0	2	133	9,187	1	0	2	136				
				TFTM	9,573	2	0	3	141	9,977	2	0	3	147	10,172	2	0	3	150				
				T5M	9,782	4	0	2	144	10,195	4	0	2	150	10,393	4	0	2	153				
				T5W	9,940	4	0	2	147	10,360	4	0	2	153	10,562	4	0	2	156				
				T5LG	9,810	3	0	1	145	10,224	3	0	1	151	10,423	3	0	1	154				
				BLC3	6,814	0	0	2	101	7,101	0	0	2	105	7,240	0	0	2	107				
				BLC4	7,038	0	0	3	104	7,334	0	0	3	108	7,477	0	0	3	110				
				RCCO	6,875	1	0	2	101	7,165	1	0	2	106	7,305	1	0	2	108				
				LCCO	6,875	1	0	2	101	7,165	1	0	2	106	7,305	1	0	2	108				
				AFR	9,997	1	0	2	147	10,418	1	0	2	154	10,621	1	0	2	157				
				P3	102W	30	1050	T1S	14,093	2	0	2	138	14,687	2	0	2	144	14,973	2	0	2	147
								T2M	13,055	2	0	3	128	13,605	2	0	3	133	13,871	2	0	3	136
								T3M	13,206	2	0	4	129	13,763	2	0	4	135	14,031	2	0	4	137
T3LG	11,797	2	0					2	115	12,294	2	0	2	120	12,534	2	0	2	123				
T4M	13,403	2	0					4	131	13,968	2	0	4	137	14,241	2	0	4	139				
T4LG	12,190	2	0					2	119	12,704	2	0	2	124	12,952	2	0	2	127				
TFTM	13,496	2	0					4	132	14,065	2	0	4	138	14,339	2	0	4	140				
T5M	13,790	4	0					2	135	14,371	4	0	2	141	14,652	4	0	2	143				
T5W	14,013	4	0					3	137	14,605	4	0	3	143	14,889	4	0	3	146				
T5LG	13,830	3	0					2	135	14,413	3	0	2	141	14,694	3	0	2	144				
BLC3	9,606	0	0					2	94	10,011	0	0	2	98	10,206	0	0	2	100				
BLC4	9,921	0	0					3	97	10,340	0	0	3	101	10,541	0	0	3	103				
RCCO	9,692	1	0					2	95	10,101	1	0	2	99	10,298	1	0	2	101				
LCCO	9,692	1	0					2	95	10,101	1	0	2	99	10,298	1	0	2	101				
AFR	14,093	2	0					2	138	14,687	2	0	2	144	14,973	2	0	2	147				





Job Name:
720 N Mayfair Road

Catalog Number:
DSX1 LED P1 **K **CRI T4M MVOLT
HS SPA *STD FINISH*
Notes:

Type:
OA4H-2
ELL24-133824

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 configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

Forward Optics

Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)								
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW				
					P4	124W	30	1250	T1S	16,416	2	0	3	132	17,109	2	0	3	138	17,442	2	0	3
T2M	15,207	3	0	4					123	15,849	3	0	4	128	16,158	3	0	4	130				
T3M	15,383	2	0	4					124	16,032	2	0	4	129	16,345	2	0	4	132				
T3LG	13,742	2	0	2					111	14,321	2	0	2	116	14,600	2	0	2	118				
T4M	15,613	2	0	4					126	16,272	2	0	4	131	16,589	2	0	4	134				
T4LG	14,200	2	0	2					115	14,799	2	0	2	119	15,087	2	0	2	122				
TFTM	15,721	2	0	4					127	16,384	2	0	4	132	16,703	2	0	4	135				
T5M	16,063	4	0	2					130	16,741	4	0	2	135	17,067	4	0	2	138				
T5W	16,324	5	0	3					132	17,013	5	0	3	137	17,344	5	0	3	140				
T5LG	16,110	3	0	2					130	16,790	4	0	2	135	17,117	4	0	2	138				
BLC3	11,190	0	0	3					90	11,662	0	0	3	94	11,889	0	0	3	96				
BLC4	11,557	0	0	3					93	12,044	0	0	3	97	12,279	0	0	3	99				
RCCO	11,291	1	0	3					91	11,767	1	0	3	95	11,996	1	0	3	97				
LCCO	11,291	1	0	3					91	11,767	1	0	3	95	11,996	1	0	3	97				
AFR	16,416	2	0	3					132	17,109	2	0	3	138	17,442	2	0	3	141				
P5	138W	30	1400	T1S					18,052	2	0	3	131	18,814	2	0	3	136	19,180	2	0	3	139
				T2M					16,723	3	0	4	121	17,428	3	0	4	126	17,768	3	0	4	129
				T3M					16,917	3	0	4	122	17,630	3	0	4	128	17,974	3	0	4	130
				T3LG	15,111	2	0	2	109	15,749	2	0	2	114	16,055	2	0	2	116				
				T4M	17,169	3	0	5	124	17,893	3	0	5	130	18,242	3	0	5	132				
				T4LG	15,615	2	0	2	113	16,274	2	0	2	118	16,591	2	0	2	120				
				TFTM	17,288	2	0	4	125	18,017	2	0	5	130	18,368	3	0	5	133				
				T5M	17,664	5	0	3	128	18,410	5	0	3	133	18,768	5	0	3	136				
				T5W	17,951	5	0	3	130	18,708	5	0	3	135	19,073	5	0	3	138				
				T5LG	17,716	4	0	2	128	18,463	4	0	2	134	18,823	4	0	2	136				
				BLC3	12,305	0	0	3	89	12,824	0	0	3	93	13,074	0	0	3	95				
				BLC4	12,709	0	0	4	92	13,245	0	0	4	96	13,503	0	0	4	98				
				RCCO	12,416	1	0	3	90	12,940	1	0	3	94	13,192	1	0	3	95				
				LCCO	12,416	1	0	3	90	12,940	1	0	3	94	13,192	1	0	3	95				
				AFR	18,052	2	0	3	131	18,814	2	0	3	136	19,180	2	0	3	139				
				P6	165W	40	1250	T1S	21,031	2	0	3	127	21,918	2	0	3	133	22,345	2	0	3	135
								T2M	19,482	3	0	4	118	20,303	3	0	4	123	20,699	3	0	4	125
								T3M	19,708	3	0	5	119	20,539	3	0	5	124	20,939	3	0	5	127
T3LG	17,604	2	0					2	107	18,347	2	0	2	111	18,704	2	0	2	113				
T4M	20,001	3	0					5	121	20,845	3	0	5	126	21,251	3	0	5	129				
T4LG	18,191	2	0					2	110	18,959	2	0	2	115	19,328	2	0	2	117				
TFTM	20,140	3	0					5	122	20,989	3	0	5	127	21,398	3	0	5	129				
T5M	20,579	5	0					3	125	21,447	5	0	3	130	21,865	5	0	3	132				
T5W	20,912	5	0					3	127	21,795	5	0	3	132	22,219	5	0	3	134				
T5LG	20,638	4	0					2	125	21,509	4	0	2	130	21,928	4	0	2	133				
BLC3	14,335	0	0					3	87	14,940	0	0	3	90	15,231	0	0	3	92				
BLC4	14,805	0	0					4	90	15,430	0	0	4	93	15,731	0	0	4	95				
RCCO	14,464	1	0					3	88	15,074	1	0	3	91	15,368	1	0	3	93				
LCCO	14,464	1	0					3	88	15,074	1	0	3	91	15,368	1	0	3	93				
AFR	21,031	2	0					3	127	21,918	2	0	3	133	22,345	2	0	3	135				





Job Name:
720 N Mayfair Road

Catalog Number:
DSX1 LED P1 **K **CRI T4M MVOLT
HS SPA *STD FINISH*
Notes:

Type:
OA4H-2
ELL24-133824

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 configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

Forward Optics

Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)								
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW				
					P7	184W	40	1400	T1S	22,741	2	0	3	123	23,700	2	0	3	129	24,162	3	0	3
T2M	21,066	3	0	4					114	21,955	3	0	4	119	22,383	3	0	4	121				
T3M	21,311	3	0	5					116	22,210	3	0	5	120	22,642	3	0	5	123				
T3LG	19,036	2	0	2					103	19,839	2	0	3	108	20,226	2	0	3	110				
T4M	21,628	3	0	5					117	22,541	3	0	5	122	22,980	3	0	5	125				
T4LG	19,671	2	0	2					107	20,501	2	0	3	111	20,900	2	0	3	113				
TFTM	21,778	3	0	5					118	22,697	3	0	5	123	23,139	3	0	5	125				
T5M	22,252	5	0	3					121	23,191	5	0	3	126	23,643	5	0	3	128				
T5W	22,613	5	0	3					123	23,567	5	0	4	128	24,027	5	0	4	130				
T5LG	22,317	4	0	2					121	23,258	4	0	2	126	23,712	4	0	2	129				
BLC3	15,501	0	0	3					84	16,155	0	0	4	88	16,470	0	0	4	89				
BLC4	16,010	0	0	4					87	16,685	0	0	4	90	17,010	0	0	4	92				
RCCO	15,641	1	0	3					85	16,301	1	0	3	89	16,619	1	0	3	90				
LCCO	15,641	1	0	3					85	16,301	1	0	3	89	16,619	1	0	3	90				
AFR	22,741	2	0	3					123	23,700	2	0	3	129	24,162	3	0	3	131				
P8	216W	60	1100	T1S					28,701	3	0	3	133	29,912	3	0	4	139	30,495	3	0	4	141
				T2M					26,587	3	0	5	123	27,709	3	0	5	128	28,249	3	0	5	131
				T3M					26,895	3	0	5	125	28,030	3	0	5	130	28,576	3	0	5	132
				T3LG	24,025	3	0	3	111	25,038	3	0	3	116	25,526	3	0	3	118				
				T4M	27,296	3	0	5	127	28,448	3	0	5	132	29,002	3	0	5	134				
				T4LG	24,826	3	0	3	115	25,873	3	0	3	120	26,378	3	0	3	122				
				TFTM	27,485	3	0	5	127	28,645	3	0	5	133	29,203	3	0	5	135				
				T5M	28,084	5	0	4	130	29,269	5	0	4	136	29,839	5	0	4	138				
				T5W	28,539	5	0	4	132	29,743	5	0	4	138	30,323	5	0	4	141				
				T5LG	28,165	4	0	2	131	29,354	4	0	2	136	29,926	4	0	2	139				
				BLC3	19,563	0	0	4	91	20,388	0	0	4	94	20,786	0	0	4	96				
				BLC4	20,205	0	0	5	94	21,057	0	0	5	98	21,468	0	0	5	99				
				RCCO	19,740	1	0	4	91	20,572	1	0	4	95	20,973	1	0	4	97				
				LCCO	19,740	1	0	4	91	20,572	1	0	4	95	20,973	1	0	4	97				
				AFR	28,701	3	0	3	133	29,912	3	0	4	139	30,495	3	0	4	141				
				P9	277W	60	1400	T1S	34,819	3	0	4	126	36,288	3	0	4	131	36,996	3	0	4	134
								T2M	32,255	3	0	5	116	33,616	3	0	5	121	34,271	3	0	5	124
								T3M	32,629	3	0	5	118	34,006	3	0	5	123	34,668	3	0	5	125
T3LG	29,146	3	0					3	105	30,376	3	0	4	110	30,968	3	0	4	112				
T4M	33,116	3	0					5	120	34,513	3	0	5	125	35,185	3	0	5	127				
T4LG	30,119	3	0					3	109	31,389	3	0	4	113	32,001	3	0	4	116				
TFTM	33,345	3	0					5	120	34,751	3	0	5	125	35,429	3	0	5	128				
T5M	34,071	5	0					4	123	35,509	5	0	4	128	36,201	5	0	4	131				
T5W	34,624	5	0					4	125	36,084	5	0	4	130	36,788	5	0	4	133				
T5LG	34,170	5	0					3	123	35,612	5	0	3	129	36,306	5	0	3	131				
BLC3	23,734	0	0					4	86	24,735	0	0	4	89	25,217	0	0	4	91				
BLC4	24,513	0	0					5	88	25,547	0	0	5	92	26,045	0	0	5	94				
RCCO	23,948	1	0					4	86	24,958	1	0	4	90	25,445	1	0	4	92				
LCCO	23,948	1	0					4	86	24,958	1	0	4	90	25,445	1	0	4	92				
AFR	34,819	3	0					4	126	36,288	3	0	4	131	36,996	3	0	4	134				





Job Name:
720 N Mayfair Road

Catalog Number:
DSX1 LED P1 **K **CRI T4M MVOLT
HS SPA *STD FINISH*
Notes:

Type:
OA4H-2
ELL24-133824

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 configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

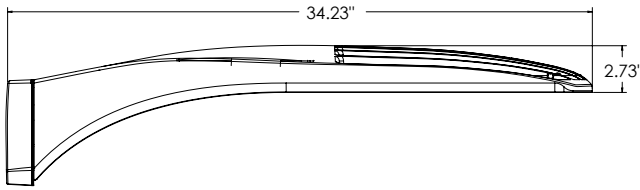
Rotated Optics

Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)																
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW												
					P10	101W	60	530	T1S	15,164	3	0	3	150	15,803	3	0	3	156	16,112	3	0	3	159							
P11	135W	60	700	T1S					19,437	4	0	4	144	20,257	4	0	4	150	20,651	4	0	4	153								
				P12					206W	60	1050	T1S	27,457	4	0	4	133	28,616	4	0	4	139	29,174	4	0	4	142				
												P13	276W	60	1400	T1S	34,436	5	0	5	125	35,889	5	0	5	130	36,588	5	0	5	133

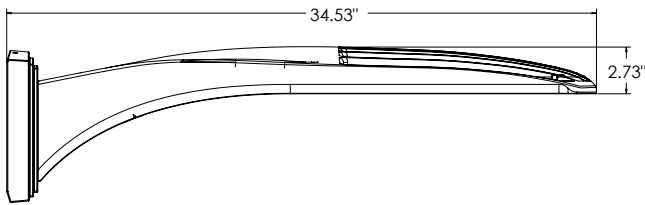
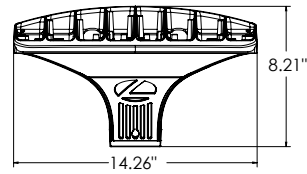




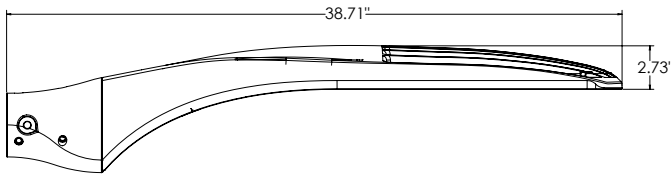
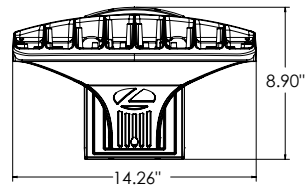
Dimensions



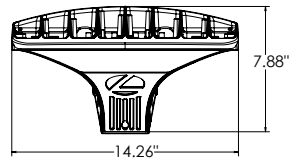
DSX1 with RPA, RPA5, SPA5, SPA8N mount
Weight: 36 lbs



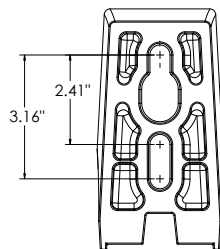
DSX1 with WBA mount
Weight: 38 lbs



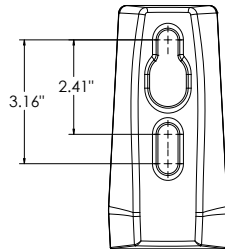
DSX1 with MA mount
Weight: 39 lbs



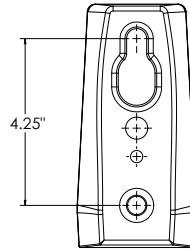
SPA (STANDARD ARM)



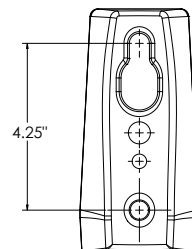
RPA



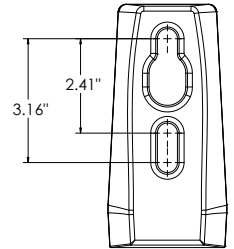
SPA5



RPA5



SPA8N





Job Name:
720 N Mayfair Road

Catalog Number:
DSX1 LED P1 **K **CRI T4M MVOLT
HS SPA *STD FINISH*
Notes:

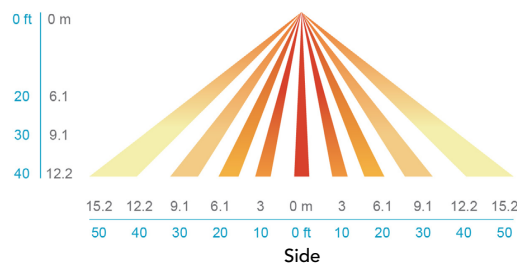
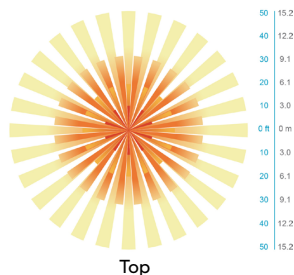
Type:
OA4H-2

ELL24-133824

nLight Control - Sensor Coverage and Settings

nLight Sensor Coverage Pattern

NLTAIR2 PIRHN



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 driver compartment is completely sealed against moisture and environmental contaminants (IP66). Vibration rated per ANSI C136.31 for 3G for SPA and MA. 1.5G for mountings RPA, RPA5, SPA5 and SPA8N. Low EPA (0.69 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.

Coastal Construction (CCE)

Optional corrosion resistant construction is engineered with added corrosion protection in materials and/or pre-treatment of base material under super durable paint. Provides additional corrosion protection for applications near coastal areas. Finish is salt spray tested to over 5,000 hours per ASTM B117 with scribe rating of 10. Additional lead-times may apply.

OPTICS

Precision-molded proprietary silicone 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. 80CRI configurations are also available. 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 L81/100,000 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 sensor with on-board photocells feature field-adjustable programming and are suitable for mounting heights up to 40 feet. Control option BL features a bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output.

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

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. For #5 pole drillings, use SPA5 or RPA5. Additional mountings are available including a wall bracket (WBA) and mast arm (MA) option that 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.

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.

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 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.



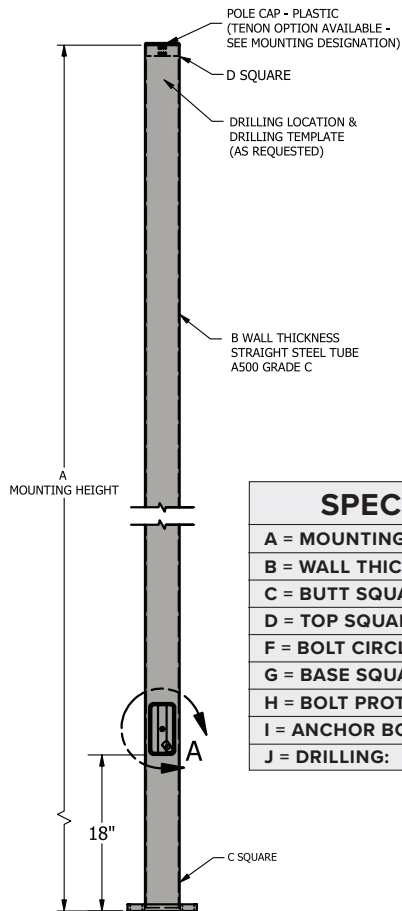
COMMERCIAL OUTDOOR

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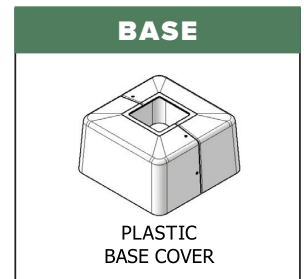
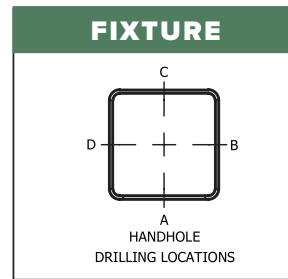
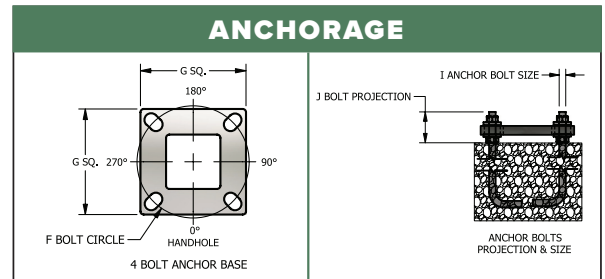
DSX1-LED
Rev. 10/16/24
Page 10 of 10



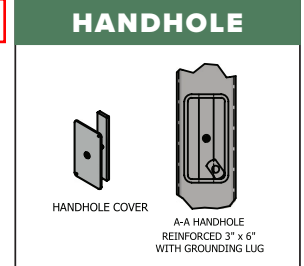
JOB NAME		PART NO.	
DESCRIPTION:		DRAWING NO.	REV
DRAWN BY:	APPROVED:	ECN:	SCALE:
		DATE:	



SPECIFICATIONS	
A = MOUNTING HEIGHT:	
B = WALL THICKNESS: 11 GA.	
C = BUTT SQUARE: 4"	
D = TOP SQUARE: 4"	
F = BOLT CIRCLE RANGE: 8" - 9"	
G = BASE SQUARE: 8"	
H = BOLT PROTECTION: 3.12"	
I = ANCHOR BOLT SIZE: 3/4" X 20" X 3"	
J = DRILLING:	



DM28AS = Drill mounting 2 at 180
STD FINISH = Specify



2013 AASHTO MAXIMUM EPA RATINGS WITH 3 SEC. WIND GUST							
STEEL SQUARE STRAIGHT POLE SSS 4 11 SERIES							
PART NUMBER	80 MPH SQ FT	90 MPH SQ FT	100 MPH SQ FT	110 MPH SQ FT	120 MPH SQ FT	130 MPH SQ FT	140 MPH SQ FT
SSS 4 11 10	39.47	30.68	24.40	19.75	16.22	13.46	9.52
SSS 4 11 12	31.97	24.66	19.43	15.56	12.62	10.32	7.04
SSS 4 11 14	26.38	20.18	15.71	12.40	9.89	7.93	5.12
SSS 4 11 15	23.98	18.30	14.14	11.06	8.72	6.90	4.29
SSS 4 11 16	22.08	16.64	12.75	9.88	7.69	5.98	3.54
SSS 4 11 18	16.28	13.79	10.35	7.81	5.87	4.37	2.21
SSS 4 11 20	14.37	10.40	7.56	5.46	3.86	2.62	0.83
SSS 4 11 22	12.02	8.44	5.88	3.98	2.54	1.42	0.00
SSS 4 11 25	9.04	5.52	3.43	1.89	0.72	0.00	0.00



Job Name:
720 N Mayfair Road

Catalog Number:
EW70714-BK

Notes:

Type:

OW1

ELL24-133824

BRAVO
EW70714
WALL

PROJECT



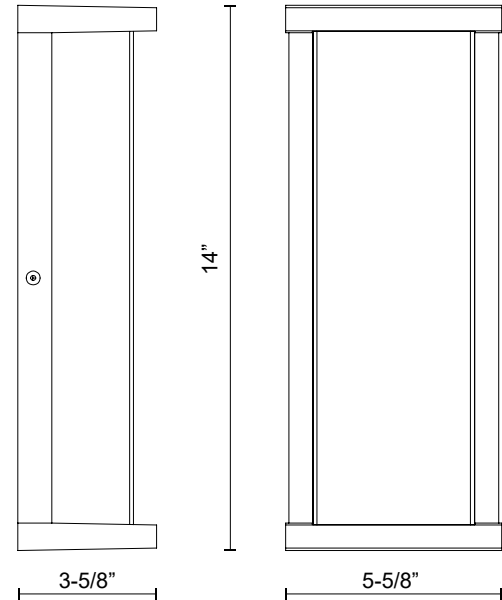
EW70714-BK
Black

DESCRIPTION

A dignified presentation of light, the Bravo Collection offers a refined look that sparks conversation. These striking rectangular exterior lights emit an omni directional glow that provides a flood of light to any space you need. Available in two sizes and mounting options to illuminate your exterior space with ease and style.

SPECIFICATION DETAILS

Fixture Dimensions	W5-5/8" x H14" x E3-5/8"
Light Source	AC LED Module
Wattage	21W
Total Lumens	1700lm
Delivered Lumens	901lm
Voltage	120V
Color Temperature	3000K
CRI (Ra)	90CRI
Optional Color Temps	2700K - 5000K Available, Minimum Order Quantities Apply
LED Rated Life	50,000 hours
Dimming	100% - 10%, ELV Dimmer (Not Included)
Diffuser Details	Frosted PC
ADA Compliant	Yes
Location	Wet
Illumination Direction	Front
Mounting Style	All Orientation
Paint Finish	BK02



Finish
BK - Black



* For custom options, consult factory for details.

* For warranty information, please visit www.kuzcolighting.com/warranty

KUZCO

CANADA: 19054 28TH AVENUE - SURREY, BC V3Z 6M3
USA: 3035 E. LONE MOUNTAIN ROAD - LAS VEGAS, NV 89081

WWW.KUZCOLIGHTING.COM

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COMMENT



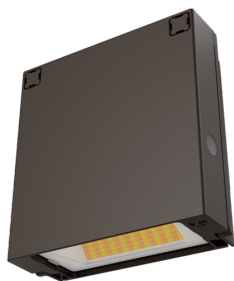


Job Name:
720 N Mayfair Road

Catalog Number:
WPX0 LED ALO SWW2 MVOLT PE
DDBXD M2
Notes:

Type:
OW2

ELL24-133824



WPX0 LED Wall Pack



Catalog Number

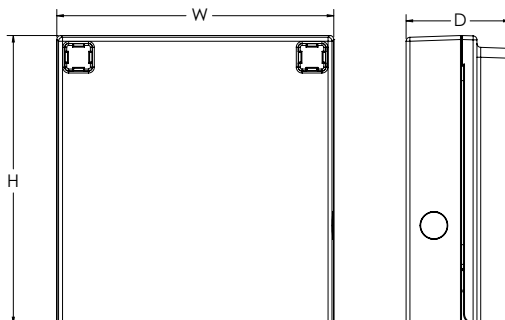
Notes

Type

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Specifications

- Depth (D):** 2"
- Height (H):** 5.75"
- Width (W):** 5.5"
- Weight:** 2.5lbs



Introduction

The WPX LED wall packs are energy-efficient, cost-effective, and aesthetically appealing solutions for both HID wall pack replacement and new construction opportunities. Available in four sizes, the WPX family delivers 850 to 9,200 lumens with a wide, uniform distribution.

The WPX0 full cut-off wall pack is an excellent above the door lighting solution. Reliable IP66 construction and excellent LED lumen maintenance ensure a long service life. Standard features such as Adjustable Lumen Output (ALO), color switching and switchable photocell make WPX0 ideal for any application.

Ordering Information

EXAMPLE: WPX0 LED ALO SWW2 MVOLT PE DDBXD

Series	Color Temperature	Voltage	Controls	Finish
WPX0 LED ALO	850 - 1,650 Lumens	SWW2 3000K / 4000K / 5000K	MVOLT 120V - 277V	PE Photocell (On/Off)
				DDBXD Dark bronze
				M2=packaging code

Note: The lumen output and input power shown in the ordering tree are average representations of all configuration.

NOTES:
Default out of the box settings: 1,650 Lumens, 4000K, Photocell enabled

FEATURES & SPECIFICATIONS

INTENDED USE

The WPX LED wall packs are designed to provide a cost-effective, energy-efficient solution for the one-for-one replacement of existing HID wall packs. The WPX0, WPX1, WPX2 and WPX3 are ideal for replacing up to 70W, 150W, 250W, and 400W HID luminaires respectively. WPX luminaires deliver a uniform, wide distribution. WPX is rated for -40°C to 40°C.

CONSTRUCTION

WPX feature a die-cast aluminum main body with optimal thermal management that both enhances LED efficacy and extends component life. The luminaires are IP66 rated, and sealed against moisture or environmental contaminants.

ELECTRICAL

Light engine consist of high-efficacy LEDs and LED lumen maintenance of L86/100,000 hours. Color temperature (CCT) can be switched between 3000K, 4000K and 5000K with minimum CRI of 80. Electronic driver ensures system power factor >90% and THD <20%. The luminaire operates on MVOLT (120V - 277V) input.

A module inside the luminaire allows the installer to not only switch between CCTs, but also the adjust the lumen output and switch on and off the photocell (PE).

INSTALLATION

WPX can be mounted directly over a standard electrical junction box. A port on the back surface allows poke-through conduit wiring on surfaces that don't have an electrical junction box. Wiring can be made in the integral wiring compartment in all cases. WPX is only recommended for installations with LEDs facing downwards.

LISTINGS

CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. IP66 Rated. DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

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/CustomerResources/Terms_and_conditions.aspx.

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



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WPX0 LED
Rev. 10/31/22



Performance Data

Electrical Load

ALO Setting	Input Power (W)	120 V (A)	208 V (A)	240 V (A)	277 V (A)
ALO 4	13.0	0.11	0.06	0.05	0.05
ALO 3	9.2	0.08	0.04	0.04	0.03
ALO 2	7.8	0.07	0.04	0.03	0.03
ALO 1	6.4	0.05	0.03	0.03	0.02

Projected LED Lumen Maintenance

Data references the extrapolated performance projections in a 25°C ambient, based on 6,000 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	50,000	75,000	100,000
Lumen Maintenance Factor	>0.93	>0.89	>0.86

Lumen Output

ALO Setting	Color Temperature	Lumen Output
ALO 4	3000K	1,591
	4000K	1,644
	5000K	1,667
ALO 3	3000K	1,164
	4000K	1,191
	5000K	1,225
ALO 2	3000K	974
	4000K	994
	5000K	1,025
ALO 1	3000K	814
	4000K	829
	5000K	859

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°F).

Ambient	Ambient	Lumen Multiplier
0°C	32°F	1.027
5°C	41°F	1.023
10°C	50°F	1.018
15°C	59°F	1.012
20°C	68°F	1.006
25°C	77°F	1.000
30°C	86°F	0.993
35°C	95°F	0.986
40°C	104°F	0.979

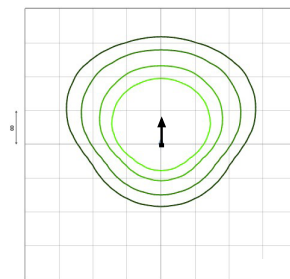
Photometric Diagrams

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

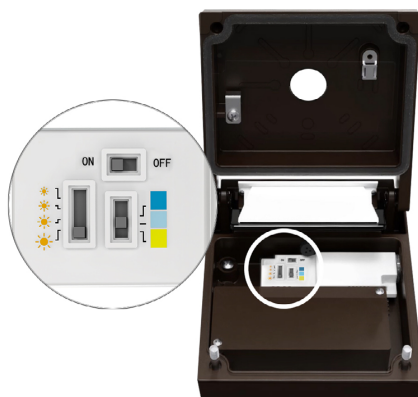
LEGEND

	0.1 fc
	0.2 fc
	0.5 fc
	1.0 fc

WPX0 LED ALO4



Switchable Features





Job Name:
720 N Mayfair Road

Catalog Number:

WPX1 LED P2 **K MVOLT DDBXD M4

Notes:

Type:

OW3

ELL24-133824



WPX LED Wall Packs



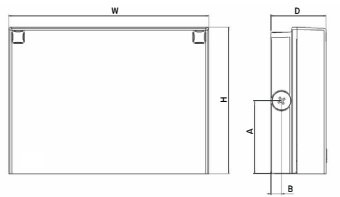
Catalog Number

Notes

Type

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

Specifications



Front View Side View

Luminaire	Height (H)	Width (W)	Depth (D)	Side Conduit Location		Weight
				A	B	
WPX1	8.1" (20.6 cm)	11.1" (28.3 cm)	3.2" (8.1 cm)	4.0" (10.3 cm)	0.6" (1.6 cm)	6.1 lbs (2.8kg)
WPX2	9.1" (23.1 cm)	12.3" (31.1 cm)	4.1" (10.5 cm)	4.5" (11.5 cm)	0.7" (1.7 cm)	8.2 lbs (3.7kg)
WPX3	9.5" (24.1 cm)	13.0" (33.0 cm)	5.5" (13.7 cm)	4.7" (12.0 cm)	0.7" (1.7 cm)	11.0 lbs (5.0kg)

Introduction

The WPX LED wall packs are energy-efficient, cost-effective, and aesthetically appealing solutions for both HID wall pack replacement and new construction opportunities. Available in three sizes, the WPX family delivers 1,550 to 9,200 lumens with a wide, uniform distribution.

The WPX full cut-off solutions fully cover the footprint of the HID glass wall packs that they replace, providing a neat installation and an upgraded appearance. Reliable IP66 construction and excellent LED lumen maintenance ensure a long service life. Photocell and emergency egress battery options make WPX ideal for every wall mounted lighting application.

Ordering Information

EXAMPLE: WPX2 LED 40K MVOLT DDBXD

Series	Color Temperature	Voltage	Options	Finish	
WPX1 LED P1	1,550 Lumens, 11W ¹	30K 3000K	MVOLT 120V - 277V	(blank) None	DDBXD Dark bronze
WPX1 LED P2	2,900 Lumens, 24W	40K 4000K	347 347V ³	E4WH Emergency battery backup, CEC compliant (4W, 0°C min) ²	DWHXD White
WPX2 LED	6,000 Lumens, 47W	50K 5000K		E14WC Emergency battery backup, CEC compliant (14W, -20°C min) ²	DBLXD Black
WPX3 LED	9,200 Lumens, 69W			PE Photocell ³	Note : For other options, consult factory.

Note: The lumen output and input power shown in the ordering tree are average representations of all configuration options. Specific values are available on request.

NOTES

- All WPX wall packs come with 6kV surge protection standard, except WPX1 LED P1 package which comes with 2.5kV surge protection standard. Add SPD6KV option to get WPX1 LED P1 with 6kV surge protection. Sample nomenclature: WPX1 LED P1 40K MVOLT SPD6KV DDBXD
- Battery pack options only available on WPX1 and WPX2.
- Battery pack options not available with 347V or PE options.

M4 = Specify

FEATURES & SPECIFICATIONS

INTENDED USE

The WPX LED wall packs are designed to provide a cost-effective, energy-efficient solution for the one-for-one replacement of existing HID wall packs. The WPX1, WPX2 and WPX3 are ideal for replacing up to 150W, 250W, and 400W HID luminaires respectively. WPX luminaires deliver a uniform, wide distribution. WPX is rated for -40°C to 40°C.

CONSTRUCTION

WPX feature a die-cast aluminum main body with optimal thermal management that both enhances LED efficacy and extends component life. The luminaires are IP66 rated, and sealed against moisture or environmental contaminants.

ELECTRICAL

Light engine(s) configurations consist of high-efficacy LEDs and LED lumen maintenance of L90/100,000 hours. Color temperature (CCT) options of 3000K, 4000K and 5000K with minimum CRI of 70. Electronic drivers ensure system power factor >90% and THD <20%. All luminaires have 6kV surge protection (Note: WPX1 LED P1 package comes with a standard surge protection rating of 2.5kV. It can be ordered with an optional 6kV surge protection). All photocell (PE) operate on MVOLT (120V - 277V) input.

Note: The standard WPX LED wall pack luminaires come with field-adjustable drive current feature. This feature allows tuning the output current of the LED drivers to adjust the lumen output (to dim the luminaire).

INSTALLATION

WPX can be mounted directly over a standard electrical junction box. Three 1/2 inch conduit ports on three sides allow for surface conduit wiring. A port on the back surface allows poke-through conduit wiring on surfaces that don't have an electrical junction box. Wiring can be made in the integral wiring compartment in all cases. WPX is only recommended for installations with LEDs facing downwards.

LISTINGS

CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. IP66 Rated. DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/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.

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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/CustomerResources/Terms_and_conditions.aspx.

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





Performance Data

Electrical Load

Luminaire	Input Power (W)	120V	208V	240V	277V	347V
WPX1 LED P1	11W	0.09	0.05	0.05	0.04	0.03
WPX1 LED P2	24W	0.20	0.12	0.10	0.09	0.07
WPX2	47W	0.39	0.23	0.20	0.17	0.14
WPX3	69W	0.58	0.33	0.29	0.25	0.20

Projected LED Lumen Maintenance

Data references the extrapolated performance projections in a 25°C ambient, based on 6,000 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	50,000	75,000	100,000
Lumen Maintenance Factor	>0.94	>0.92	>0.90

Lumen Output

Luminaire	Color Temperature	Lumen Output
WPX1 LED P1	3000K	1,537
	4000K	1,568
	5000K	1,602
WPX1 LED P2	3000K	2,748
	4000K	2,912
	5000K	2,954
WPX2	3000K	5,719
	4000K	5,896
	5000K	6,201
WPX3	3000K	8,984
	4000K	9,269
	5000K	9,393

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	Ambient	Lumen Multiplier
0°C	32°F	1.05
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

HID Replacement Guide

Luminaire	Equivalent HID Lamp	WPX Input Power
WPX1 LED P1	100W	11W
WPX1 LED P2	150W	24W
WPX2	250W	47W
WPX3	400W	69W

Emergency Egress Battery Packs

The emergency battery backup is integral to the luminaire — no external housing or back box is required. The emergency battery will power the luminaire for a minimum duration of 90 minutes and deliver minimum initial output of 550 lumens. Both battery pack options are CEC compliant.

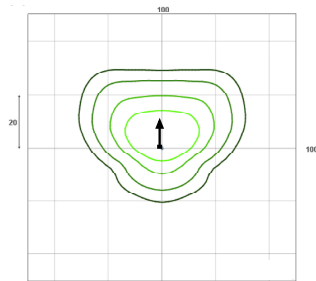
Battery Type	Minimum Temperature Rating	Power (Watts)	Controls Option	Ordering Example
Standard	0°C	4W	E4WH	WPX2 LED 40K MVOLT E4WH DDBXD
Cold Weather	-20°C	14W	E14WC	WPX2 LED 40K MVOLT E14WC DDBXD

Photometric Diagrams

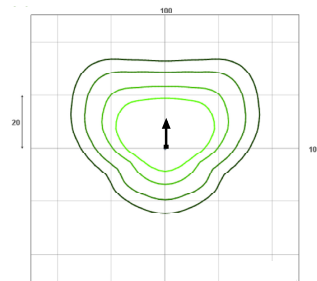
To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting [WPX LED](http://www.lithonia.com) homepage. Tested in accordance with IESNA LM-79 and LM-80 standards

- LEGEND**
- 0.1 fc
 - 0.2 fc
 - 0.5 fc
 - 1.0 fc

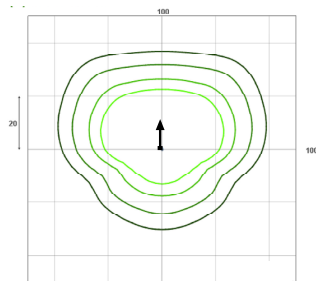
WPX1 LED P1



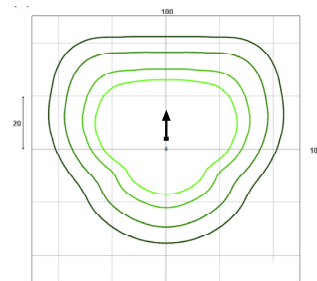
WPX1 LED P2



WPX2 LED



WPX3 LED



Mounting Height = 12 Feet.



Job Name:
720 N Mayfair Road

Catalog Number:

A5-ZOZO-STN-24"-27K-GSF-WET-14FT / A5-ZOZO-PP / A5-ZOZO-EC / A5-ZOZO-CL-18 / A5-ZOZO-AC-18-50'

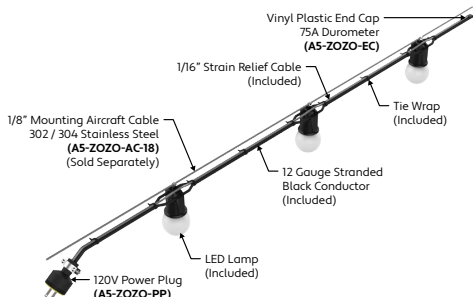
Notes:

Type:

ST-14

ELL24-133824

ALUZ



A5 Series | String / Festoon ZOZO Standard (A5-ZOZO-STN)

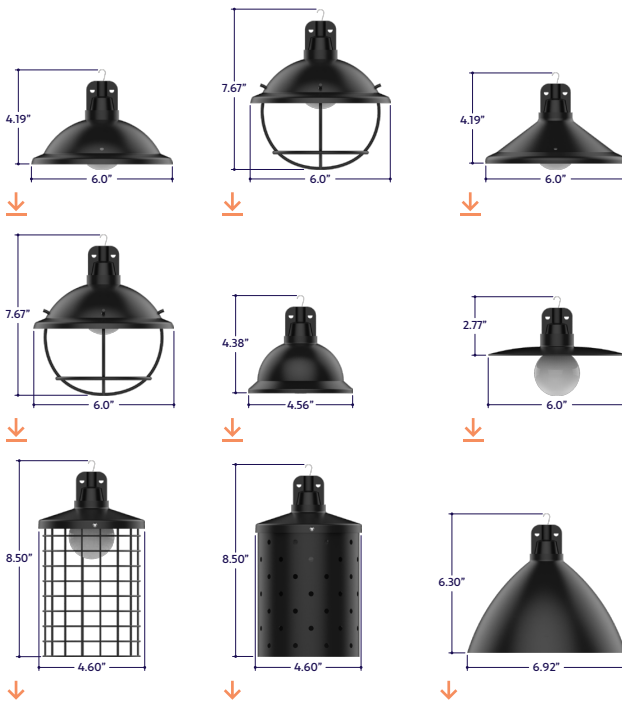
TYPE



GENERAL FEATURES

Applications	Indoor and Outdoor
Length	Built to Order (+/- 1/8" Tolerance)
Finish	Black
Feed	Standard 6' Power Lead
Strain Relief	Cable (Included, Not for Mounting)
Mounting	Mounting Aircraft Cable (Sold Separately)
Listing	Dry or Wet Location ANSI/UL1598 CSA 22.2 No. 250.0-04, 2nd Edition
Options	Mesh, Canopies, or Cages
UV Rating	Sun Light Resistance
Installation Link	

CANOPY OPTIONS (Click Image to See Individual Submittal)



ELECTRICAL

Dimming	Forward Phase
Maximum Run	250' without Canopies 100' with Canopies
System	20 Amps (12 Gauge Wire)
Wattage	1W or 3W Lamps (+/- 0.25W Tolerance)
Operating Temperature	-25°C to +45°C (-13°F to +113°F)
Luminaire Voltage	120V

SPECIFY PRODUCT CODE | CHOOSE FROM DROP DOWNS

14FT

Series	Spacing	Lamp	Dimming	Listing	Luminaire Length
Standard (No Canopy) (A5-ZOZO-STN)	12" on Center (12")	2700K, G-Shape (27K-GSF)	Forward Phase (DM)	Indoor (DRY)	Specify Length in Feet Example: 100'
	18" on Center (18")	5000K, G-Shape (50K-GSF)			
Round Canopy (A5-ZOZO-RND)	24" on Center (24")	Red, G-Shape (R-GSF)	Leave Blank for Non-Dimming	Outdoor (WET)	
	36" on Center (36")	Green, G-Shape (G-GSF)			
Round Canopy with Cage (A5-ZOZO-RNC)	48" on Center (48")	Blue, G-Shape (B-GSF)	2700K, S-Shape Clear (27K-SSC)		
	60" on Center (60")	Amber, G-Shape (A-GSF)			
Cone Canopy (A5-ZOZO-CON)		2400K, G-Shape Filament (24K-GSFL)	Red, S-Shape Clear (R-SSC)		
		2700K, G-Shape Filament (27K-GSFL)			
Cone Canopy with Cage (A5-ZOZO-COC)		3000K, G-Shape Filament (30K-GSFL)	Blue, S-Shape Clear (B-SSC)		
		3500K, G-Shape Filament (35K-GSFL)			
		4000K, G-Shape Filament (40K-GSFL)	No Lamps* (NL)		

* Lighting will be shipped without lamps.

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Specification Submittal

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Job Name:
720 N Mayfair Road

Catalog Number:

A5-ZOZO-STN-24"-27K-GSF-WET-14FT / A5-ZOZO-PP / A5-ZOZO-EC / A5-ZOZO-CL-18 / A5-ZOZO-AC-18-50'

Notes:

Type:

ST-14

ELL24-133824

ALUZ

A5 Series | String / Festoon
ZOZO Standard
(A5-ZOZO-STN)

TYPE

LAMP OPTIONS

Lamp Image & Dimensions



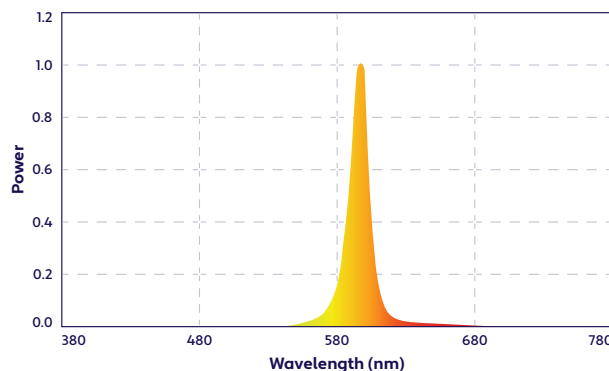
Lamp Name & Product Code	G-Shaped Lamp (GSF)	G-Shaped Filament Lamp (GSFL)	S-Shaped Lamp (SSF)	S-Shaped Clear Lamp (SSC)
Lamp Type	Standard LED	Filament LED	Standard LED	Standard LED
Material	Polymer Plastic	Shatterproof Glass	Polymer Plastic	Polymer Plastic
Lamp Life	20,000 hrs.	25,000 hrs.	20,000 hrs.	20,000 hrs.
Lumens	42	256	42	42
Beam Angle	360°	360°	360°	360°
Appearance	Frosted	Clear	Frosted	Clear, Textured
CCT & Colors	27K, 50K, R, G, B, A	24K, 27K, 30K, 35K, 40K, 50K	27K, 50K, OR	27K, 50K, R, G, B, A
Lamp Watts	1W	3W	1W	1W

Note: Lamp dimensions are subject to change without notice. +/- 0.25 Wattage Tolerance.

LAMP SPECIFICATIONS

Lamp Number	Correlated Color Temperature	Description	Available Lamp Shapes
24K	2400 Kelvin	Incandescent White	(GSFL)
27K	2700 Kelvin	Warm White	(GSF), (GSFL), (SSF), (SSC)
30K	3000 Kelvin	Warm White	(GSFL)
35K	3500 Kelvin	Neutral White	(GSFL)
40K	4000 Kelvin	Neutral White	(GSFL)
50K	5000 Kelvin	Cool White	(GSF), (GSFL), (SSF), (SSC)
R	Red	621nm	(GSF), (SSC)
G	Green	525nm	(GSF), (SSC)
B	Blue	470nm	(GSF), (SSC)
A	Amber	590nm	(GSF), (SSC)
OR	Orange	610nm	(SSF)

SPECTRAL POWER DISTRIBUTION
AMBER LED (590nm) TURTLE FRIENDLY



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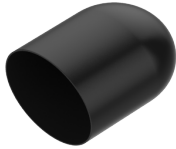


ALUZ

A5 Series | String / Festoon
ZOZO Standard
(A5-ZOZO-STN)

TYPE

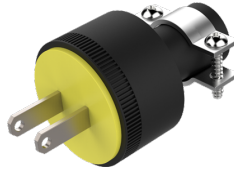
ACCESSORIES (Sold Separately)



Vinyl Plastic End Cap
75A Durometer
(A5-ZOZO-EC)

Part #	Qty.
A5-ZOZO-EC	

Note: Use 1 End Cap at the end of each run.

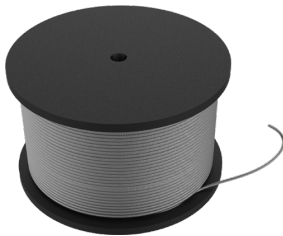


120V Power Plug
Rubber Casing
(A5-ZOZO-PP)

Part #	Qty.
A5-ZOZO-PP	

Note: Use 1 Power Plug for each run that will not be hardwired.

MOUNTING ACCESSORIES (Sold Separately - Click Image to See Cut Sheet, If Applicable)



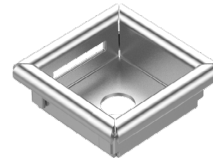
Part #	Length	Qty.
A5-ZOZO-AC-18-	50'	

Note: Order cable to desired length. Order in 50' increments up to 500' per reel.



Part #	Qty.
A5-ZOZO-CL-18-	

Note: Use 1 Cable Lock per run, if using this method. Refer to installation instructions for alternative mounting options.



Mounting Plate
Stainless Steel
(A5-ZOZO-MP)

Part #	Qty.
A5-ZOZO-MP	

Note: Use Mounting Plates when mounting to a ceiling. Refer to installation instructions for details.



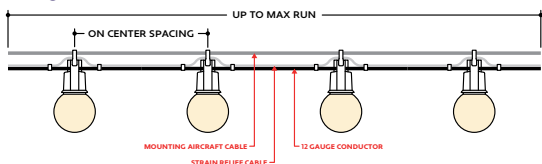
ALUZ

A5 Series | String / Festoon ZOZO Standard (A5-ZOZO-STN)

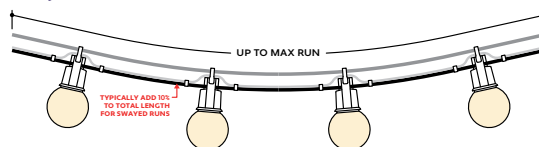
TYPE

DESIGN GUIDELINES

Straight Run

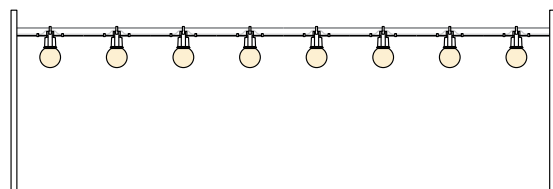


Swayed Run

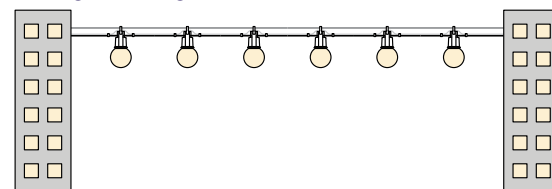


INSTALLATION OPTIONS

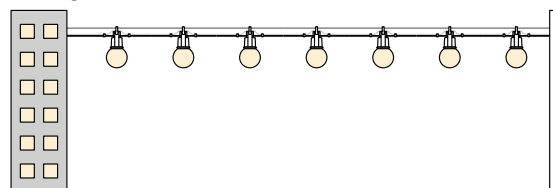
Pole to Pole



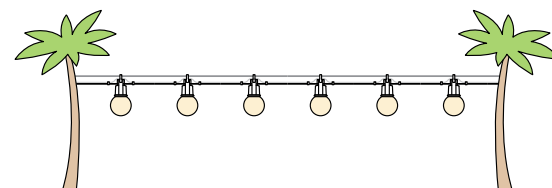
Building to Building



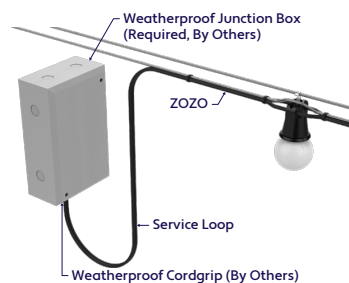
Building to Pole



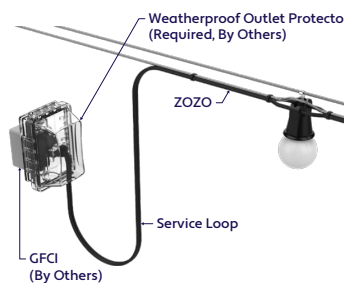
Tree to Tree



HARDWARE INSTALLATION (Wet Location)



POWER PLUG INSTALLATION (Wet Location)



INSTALLATION RECOMMENDATIONS

- Determine weight of string light that will be used.
- Determine length of string light and multiply by weight.
- An engineer must choose the proper aircraft cable to handle the tension, based on length and weight to prevent product from sagging.
- An engineer must determine the strength of the structure where the cable will attach, based on tension calculation from previous step.
- If installing on a pole, check with pole manufacturer to confirm the pole can handle the tension.
- String light is hung to the above aircraft cable using the hooks. Secure hooks to aircraft cable by crimping or using stainless steel tie wraps.
- The supplied aircraft cable is designed to prevent strain on the wire. An additional aircraft cable is required to hang string light.

WEIGHT PER FOOT

Series	Spacing Selection	Approximate Weight
ZOZO Standard (A5-ZOZO-STN)	12" on Center (12")	0.30 lbs per foot
	18" on Center (18")	0.24 lbs per foot
	24" on Center (24")	0.21 lbs per foot
	36" on Center (36")	0.18 lbs per foot
	48" on Center (48")	0.17 lbs per foot
	60" on Center (60")	0.16 lbs per foot

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Job Name:
720 N Mayfair Road

Catalog Number:

A5-ZOZO-STN-24"-27K-GSF-WET-15FT / A5-ZOZO-PP / A5-ZOZO-EC / A5-ZOZO-CL-18 / A5-ZOZO-AC-18-50'

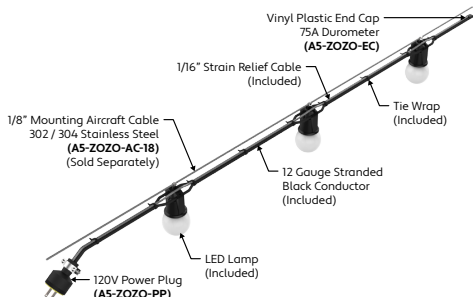
Notes:

Type:

ST-15

ELL24-133824

ALUZ



A5 Series | String / Festoon ZOZO Standard (A5-ZOZO-STN)

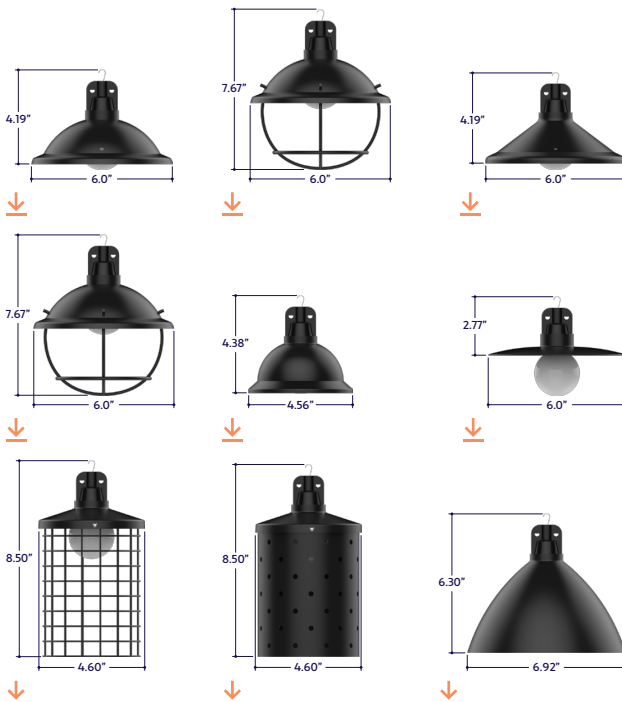
TYPE



GENERAL FEATURES

Applications	Indoor and Outdoor
Length	Built to Order (+/- 1/8" Tolerance)
Finish	Black
Feed	Standard 6' Power Lead
Strain Relief	Cable (Included, Not for Mounting)
Mounting	Mounting Aircraft Cable (Sold Separately)
Listing	Dry or Wet Location ANSI/UL1598 CSA 22.2 No. 250.0-04, 2nd Edition
Options	Mesh, Canopies, or Cages
UV Rating	Sun Light Resistance
Installation Link	

CANOPY OPTIONS (Click Image to See Individual Submittal)



ELECTRICAL

Dimming	Forward Phase
Maximum Run	250' without Canopies 100' with Canopies
System	20 Amps (12 Gauge Wire)
Wattage	1W or 3W Lamps (+/- 0.25W Tolerance)
Operating Temperature	-25°C to +45°C (-13°F to +113°F)
Luminaire Voltage	120V

SPECIFY PRODUCT CODE | CHOOSE FROM DROP DOWNS

15FT

Series	Spacing	Lamp	Dimming	Listing	Luminaire Length
Standard (No Canopy) (A5-ZOZO-STN)	Bell Canopy (A5-ZOZO-BLL)	12" on Center (12")	2700K, G-Shape (27K-GSF)	Forward Phase (DM)	Indoor (DRY)
	Flat Canopy (A5-ZOZO-FLT)	18" on Center (18")	5000K, G-Shape (50K-GSF)		
Round Canopy (A5-ZOZO-RND)	24" on Center (24")	Red, G-Shape (R-GSF)	5000K, S-Shape Frosted (50K-SSF)	Leave Blank for Non-Dimming	Outdoor (WET)
	36" on Center (36")	Green, G-Shape (G-GSF)	Orange, S-Shape Frosted (OR-SSF)		
Round Canopy with Cage (A5-ZOZO-RNC)	48" on Center (48")	Blue, G-Shape (B-GSF)	2700K, S-Shape Clear (27K-SSC)		
	60" on Center (60")	Amber, G-Shape (A-GSF)	5000K, S-Shape Clear (50K-SSC)		
Cone Canopy (A5-ZOZO-CON)	Barrel Canopy (A5-ZOZO-BRL)	2400K, G-Shape Filament (24K-GSFL)	Red, S-Shape Clear (R-SSC)		
	Hat Canopy (A5-ZOZO-HAT)	2700K, G-Shape Filament (27K-GSFL)	Green, S-Shape Clear (G-SSC)		
Cone Canopy with Cage (A5-ZOZO-COC)		3000K, G-Shape Filament (30K-GSFL)	Blue, S-Shape Clear (B-SSC)		
		3500K, G-Shape Filament (35K-GSFL)	Amber, S-Shape Clear (A-SSC)		
		4000K, G-Shape Filament (40K-GSFL)	No Lamps* (NL)		

* Lighting will be shipped without lamps.

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Job Name:
720 N Mayfair Road

Catalog Number:

A5-ZOZO-STN-24"-27K-GSF-WET-15FT / A5-ZOZO-PP / A5-ZOZO-EC / A5-ZOZO-CL-18 / A5-ZOZO-AC-18-50'

Notes:

Type:

ST-15

ELL24-133824

ALUZ

A5 Series | String / Festoon
ZOZO Standard
(A5-ZOZO-STN)

TYPE

LAMP OPTIONS

Lamp Image & Dimensions



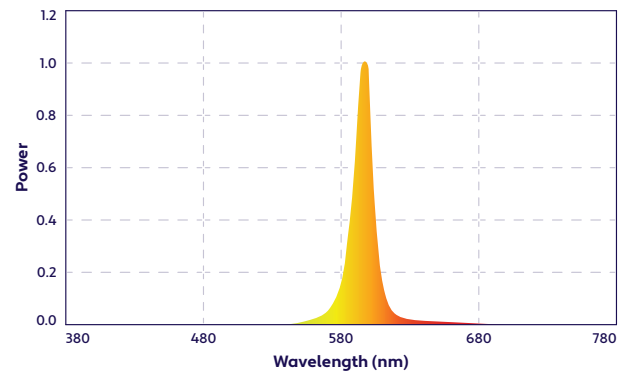
Lamp Name & Product Code	G-Shaped Lamp (GSF)	G-Shaped Filament Lamp (GSFL)	S-Shaped Lamp (SSF)	S-Shaped Clear Lamp (SSC)
Lamp Type	Standard LED	Filament LED	Standard LED	Standard LED
Material	Polymer Plastic	Shatterproof Glass	Polymer Plastic	Polymer Plastic
Lamp Life	20,000 hrs.	25,000 hrs.	20,000 hrs.	20,000 hrs.
Lumens	42	256	42	42
Beam Angle	360°	360°	360°	360°
Appearance	Frosted	Clear	Frosted	Clear, Textured
CCT & Colors	27K, 50K, R, G, B, A	24K, 27K, 30K, 35K, 40K, 50K	27K, 50K, OR	27K, 50K, R, G, B, A
Lamp Watts	1W	3W	1W	1W

Note: Lamp dimensions are subject to change without notice. +/- 0.25 Wattage Tolerance.

LAMP SPECIFICATIONS

Lamp Number	Correlated Color Temperature	Description	Available Lamp Shapes
24K	2400 Kelvin	Incandescent White	(GSFL)
27K	2700 Kelvin	Warm White	(GSF), (GSFL), (SSF), (SSC)
30K	3000 Kelvin	Warm White	(GSFL)
35K	3500 Kelvin	Neutral White	(GSFL)
40K	4000 Kelvin	Neutral White	(GSFL)
50K	5000 Kelvin	Cool White	(GSF), (GSFL), (SSF), (SSC)
R	Red	621nm	(GSF), (SSC)
G	Green	525nm	(GSF), (SSC)
B	Blue	470nm	(GSF), (SSC)
A	Amber	590nm	(GSF), (SSC)
OR	Orange	610nm	(SSF)

SPECTRAL POWER DISTRIBUTION
AMBER LED (590nm) TURTLE FRIENDLY



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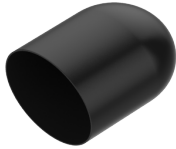


ALUZ

A5 Series | String / Festoon
ZOZO Standard
(A5-ZOZO-STN)

TYPE

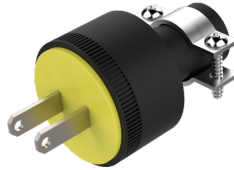
ACCESSORIES (Sold Separately)



Vinyl Plastic End Cap
75A Durometer
(A5-ZOZO-EC)

Part #	Qty.
A5-ZOZO-EC	

Note: Use 1 End Cap at the end of each run.

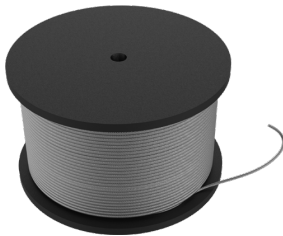


120V Power Plug
Rubber Casing
(A5-ZOZO-PP)

Part #	Qty.
A5-ZOZO-PP	

Note: Use 1 Power Plug for each run that will not be hardwired.

MOUNTING ACCESSORIES (Sold Separately - Click Image to See Cut Sheet, If Applicable)



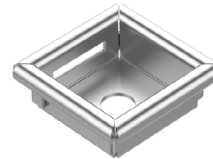
Part #	Length	Qty.
A5-ZOZO-AC-18-	50'	

Note: Order cable to desired length. Order in 50' increments up to 500' per reel.



Part #	Qty.
A5-ZOZO-CL-18-	

Note: Use 1 Cable Lock per run, if using this method. Refer to installation instructions for alternative mounting options.



Mounting Plate
Stainless Steel
(A5-ZOZO-MP)

Part #	Qty.
A5-ZOZO-MP	

Note: Use Mounting Plates when mounting to a ceiling. Refer to installation instructions for details.



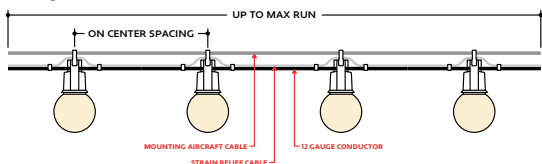
ALUZ

A5 Series | String / Festoon ZOZO Standard (A5-ZOZO-STN)

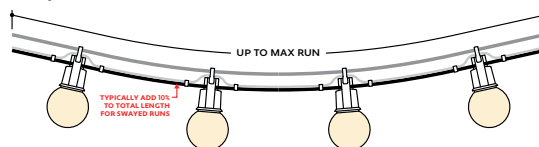
TYPE

DESIGN GUIDELINES

Straight Run

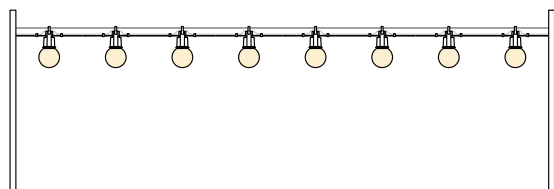


Swayed Run

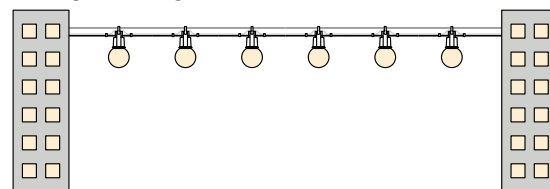


INSTALLATION OPTIONS

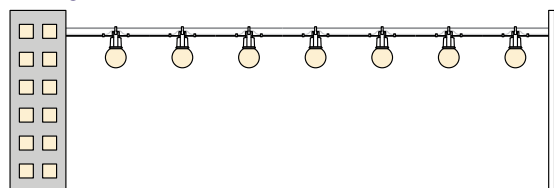
Pole to Pole



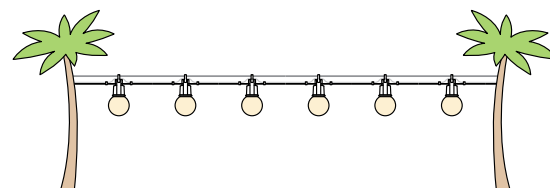
Building to Building



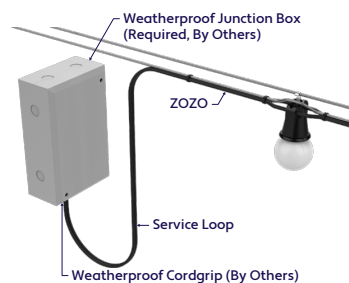
Building to Pole



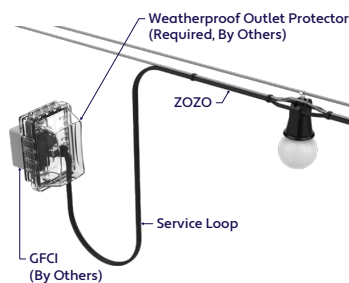
Tree to Tree



HARDWIRE INSTALLATION (Wet Location)



POWER PLUG INSTALLATION (Wet Location)



INSTALLATION RECOMMENDATIONS

- Determine weight of string light that will be used.
- Determine length of string light and multiply by weight.
- An engineer must choose the proper aircraft cable to handle the tension, based on length and weight to prevent product from sagging.
- An engineer must determine the strength of the structure where the cable will attach, based on tension calculation from previous step.
- If installing on a pole, check with pole manufacturer to confirm the pole can handle the tension.
- String light is hung to the above aircraft cable using the hooks. Secure hooks to aircraft cable by crimping or using stainless steel tie wraps.
- The supplied aircraft cable is designed to prevent strain on the wire. An additional aircraft cable is required to hang string light.

WEIGHT PER FOOT

Series	Spacing Selection	Approximate Weight
ZOZO Standard (A5-ZOZO-STN)	12" on Center (12")	0.30 lbs per foot
	18" on Center (18")	0.24 lbs per foot
	24" on Center (24")	0.21 lbs per foot
	36" on Center (36")	0.18 lbs per foot
	48" on Center (48")	0.17 lbs per foot
	60" on Center (60")	0.16 lbs per foot

1170 N Red Gum St, Anaheim, CA 92806

aluz.lighting | info@aluz.lighting | 866.ALUZ.LTG | 714.535.7900

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Specification Submittal

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