

NOTES:

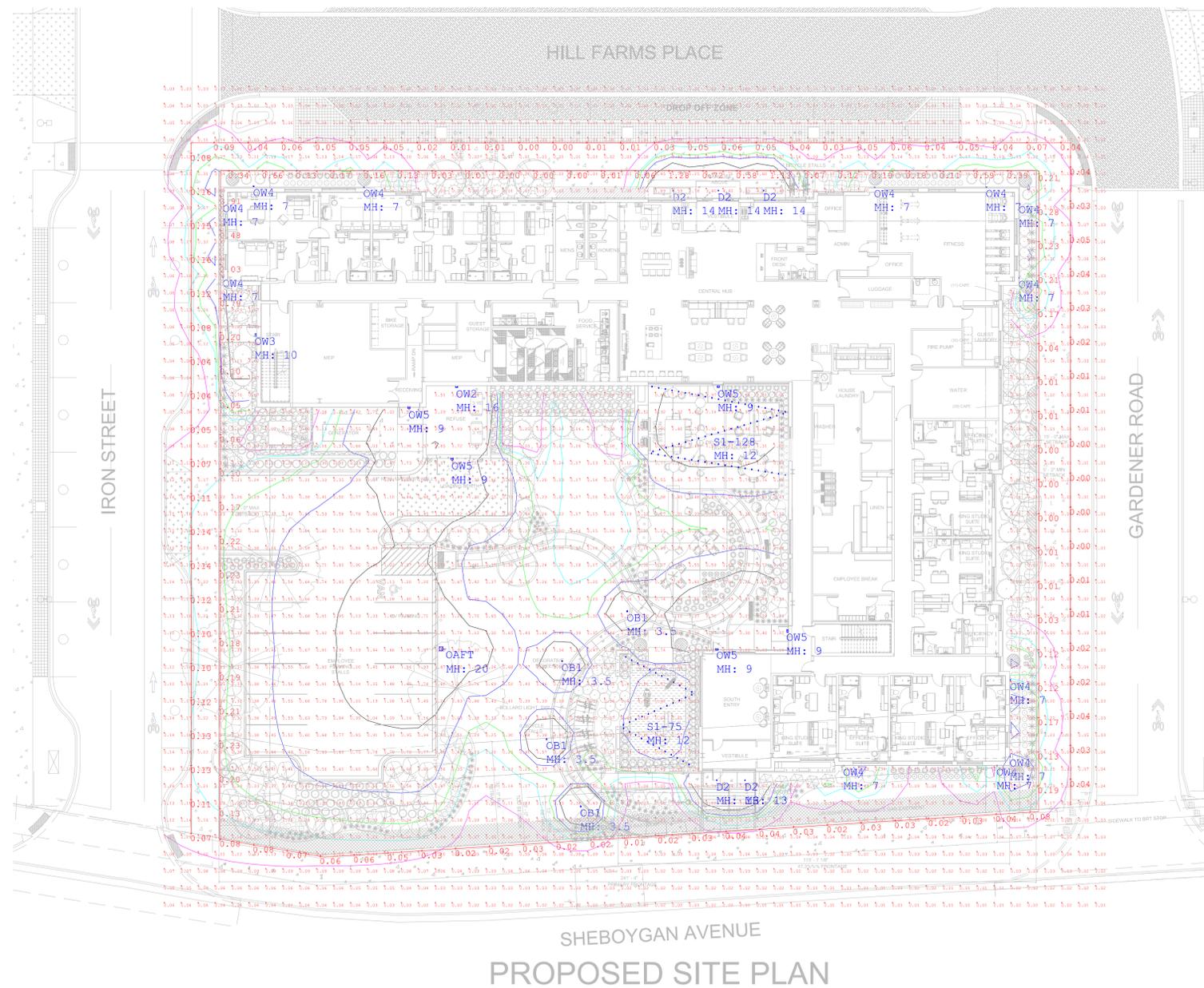
- Customers are responsible for confirming mounting heights, fixture suspension types/ lengths, color temperature, CRI, linear fixture lengths, pole lengths, and bollard heights/ lengths prior to ordering.
- Mounting height (MH) is measured from the bottom of the fixture to the floor.
- This Lighting layout assumes the following unless values are specified and must be confirmed by the customer prior to ordering.
 - Color Temperature is 4000K
 - Room reflectance of 80, 50, 20 for standard ceilings and 50, 50, 20 for exposed ceilings
 - Wall sconces are mounted at 7 feet for calculations.

* The large font **0.02** represents footcandle values measured at 4ft AFG to comply with Madison Ordinance 29.36 (5)(a)3 for values at the property line.

* The small font **0.5** represents footcandles at grade.

Qty	Label	MFG	Description	LLF	Lum. Watts	Total Watts
5	D2	LITELINE	RA2-7F 90 (finish)	0.950	7	35
1	OAF1	LITHONIA	DSX1 LED P1 xxK TFTM MVOLT SPA (finish) = 18' POLE + 2' BASE	0.950	54	54
4	OB1	LUMINIS	CL323-L4L10-(volt)-(finish)-Kx	0.950	9	36
1	OW2	LITHONIA	WPX1 LED P1 xxK MVOLT (finish)	0.950	11	11
1	OW3	LITHONIA	WDGE2 LED P0 xxK 80CRI T1S MVOLT (mounting) (finish)	0.950	7	7
12	OW4	EUREKA	3450-LEDxx-(volt)-DV-BLKE	0.950	9.9	118.8
5	OW5	LITHONIA	WDGE2 LED P1 xxK 80CRI TFTM MVOLT (mounting) (finish)	0.950	11	55
1	S1-128	ALUZ	A5-ZOZO-STN-24-xxK-GSFL-3W-WET-128FT	0.900	N.A.	63
1	S1-75	ALUZ	A5-ZOZO-STN-24-xxK-GSFL-3W-WET-75FT	0.900	N.A.	36

Label	Units	Avg	Max	Min	Max/Min	Avg/Min
Presumed Property Line @ 4'	Fc	0.23	3.91	0.00	N.A.	N.A.
Sidewalk Outer Edge @ 4'	Fc	0.06	0.16	0.00	N.A.	N.A.
Employee Parking Area	Fc	1.00	2.0	0.4	5.00	2.50



REVISIONS	DATE	COMMENTS

REVISIONS	DATE	COMMENTS

SHEET: E100	DATE: JULY 18 2024	SCALE: 1" = 20'
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HOMWOOD SUITES	MADISON, WI	SITE LIGHTING LAYOUT
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Liteline

LUNA

2" Fixed, 540-640 Lumens, 7W, Color Selectable / Dim-To-Warm
Recessed Downlighting

Job Information		
Project Name		Type
Location		
Quantity		Date
Contact/Phone		
Notes		

Features

Body

Durable airtight aluminum body with anodized blue heat sink to provide maximum airflow for the LED light source. On-fixture color selectable switch allows switching between 2700 K, 3000 K, 3500 K, 4000 K and 5000 K color temperatures.

LED Characteristics

This general application light fixture features a 7 watt LED module that maintains uniform intensity producing up to 640 lumens; with a typical CRI of 90. Available in color selectable or a Dim-to-Warm module (3000 K ~ 2000 K).

Dimming

100%-10% dimming capability. This fixture is compatible with industry standard forward-phase / reverse-phase dimmers (contact factory for list of compatible dimmers). Dim-to-Warm offers color temperature dimming from 3000 K to 2000 K.

Beam Spread

The fixture lens provides 40° beam spread.

Mounting

Includes two spring loaded clips to attached to any ceiling material. Optional pre-mounting plate available for new construction applications.

LED Driver

Extruded aluminum hardware box with 170mA dimmable class II electronic LED driver with 100-135V AC input. Includes an 18" FT6 rated cable with DC 2.1 connector between driver and fixture approved for use in plenums and suspended ceilings. **NOTE:** Not approved for branch wiring.

Quick Connect push-in terminals

Three "Quick connect" push-in terminals in LED driver compartment for fast and easy wiring.

Minimum Starting Temperature

-40°C (-40°F)

Environment

- Suitable for wet locations.
- Suitable for indoor/outdoor applications.
- Approved for direct contact with insulation.
- Airtight

SPECIFICATION

Application	Ceiling Recess Mount
Approved Location	Wet / Insulated Ceilings
Beam Angle	40°
CCT (color selectable)	2700 K / 3000 K / 3500 K / 4000 K / 5000 K
CCT (DTW)	Dim-to-Warm (3000 K ~ 2000 K)
Certification	cETLus
Class II	Yes
Color	BK / BN / WH
CRI	90
Dimming	Yes
Dimming Tech	Forward/reverse-phase
Energy Star	Yes*
Hole Cut	Ø 2½" (64mm)
Input	100-135V AC, 50 / 60Hz
Lumens	Up to 640
Lumens per Watt	Up to 93
Power Factor	0.9
Projected Life	70% @ 50,000 hrs
Warranty	Lifetime
Wattage	7W

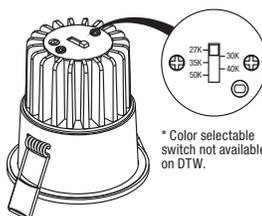
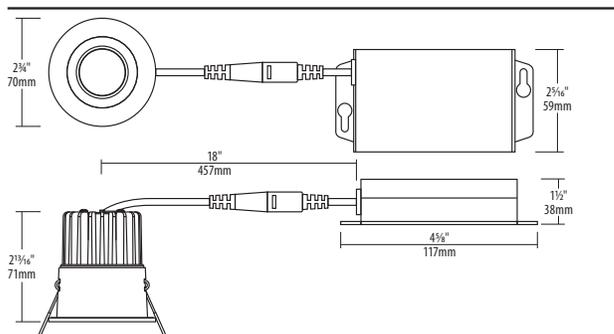
* Energy star for color selectable models only.

CCT	LUMEN OUTPUT
2700 K	540
3000 K	565
3500 K	604
4000 K	633
5000 K	640
DTW	500



Description

Evolved to be a flexible, low-glare, and aesthetically pleasing luminaire, the LUNA Series offers contractors, builders, homeowners and designers, a fixture with regressed optics and color selectable CCT or DTW abilities, to promote on-site flexibility, while enhancing sleek, directional lighting in both commercial and residential spaces.



Ordering Guide

Color Temp. **RA2-7F** Trim Finish **90** **FINISH = Specify**

Leave blank for color selectable
DTW : Dim-to-Warm

BK : Black
BN : Brushed Nickel
WH : White

QUICKSHIP 2-DAY

Notes:

QuickShip option is available on orders of 100 pieces or less, and will ship within 2 business days. Options must be selected from QuickShip section to qualify. For additional options please consult your Liteline representative. Due to our continued efforts to improve our products, product specifications are subject to change without notice.

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LITELINE.COM



Job Name:
Homewood Suites - Madison Site Lighting

Catalog Number:
RA2-7F90-FINISH

Notes:

Type:

D2

ELL23-123986

Accessories



SLM-60-FC
60" Flexible connector, for use with 24V fixtures with DC 2.1 connector. Maximum 2 per fixture.



P-2510
2½" Round pre-mounting plate with driver attachment clip, for 2" LUNA LED fixtures.



P-NCMK-1
New construction mounting kit. Includes hanger bars, brackets and screws.



VBE-1
Vapour barrier extender. For use in new construction applications.



VBE-2
Vapour barrier extender. For use in remodel applications.



VBE-5
Vapour barrier extender. For use in new construction applications.



LC-CRTL-3WAY-1
OnCloud Smart Wi-Fi 3-Way Switch, compatible with WIZ App.



LC-CRTL-DIM-1
OnCloud Smart Wi-Fi dimmer, 120V, compatible with WIZ App.



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 #	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)

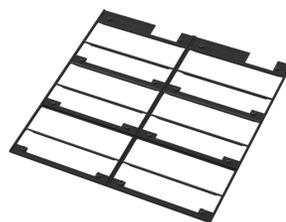
NOTES

- 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



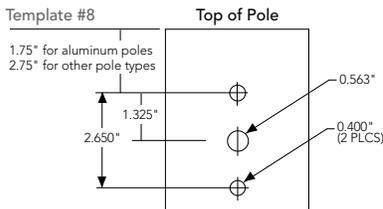
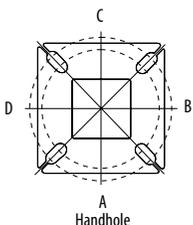
External Glare Shield (EGSR)



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



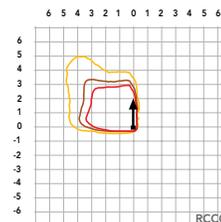
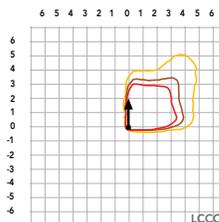
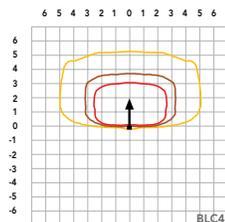
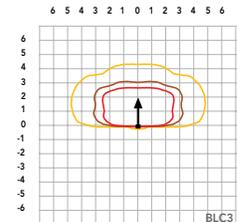
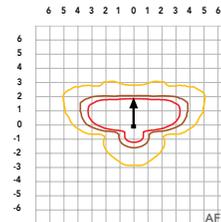
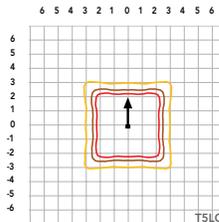
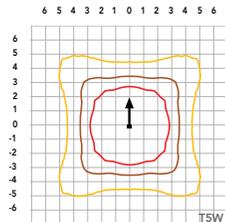
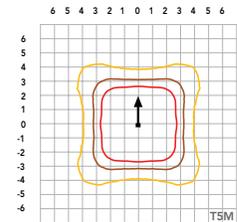
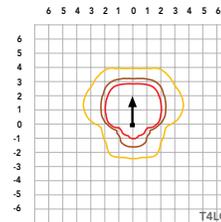
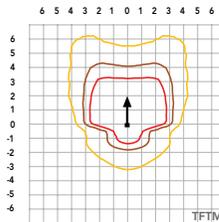
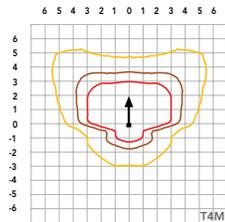
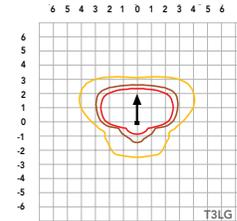
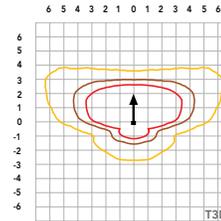
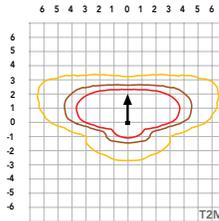
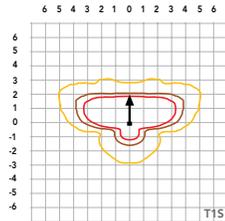
Photometric Diagrams

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





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



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:
Homewood Suites - Madison Site Lighting

Catalog Number:
DSX1 LED P1 XXX XXCRI TFTM
MVOLT SPA FINISH
Notes:

Type:
OAFT
ELL23-123986

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				





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				



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.

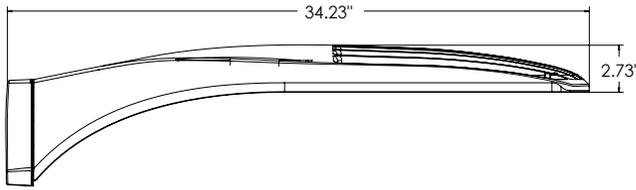
Rotated Optics

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

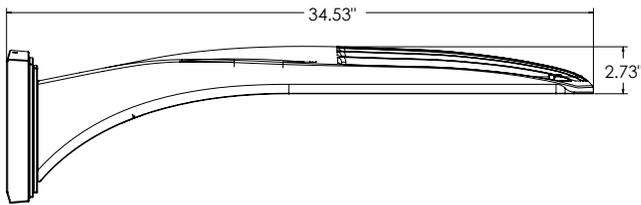
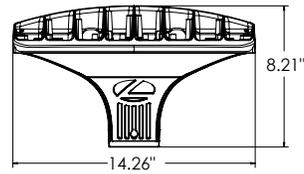




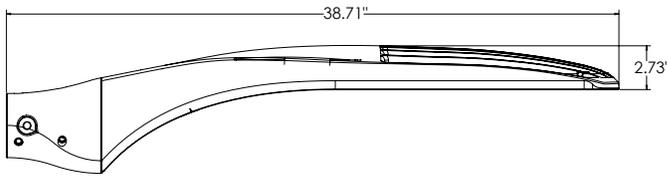
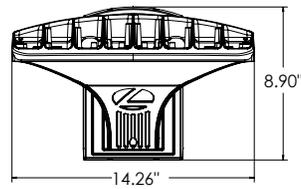
Dimensions



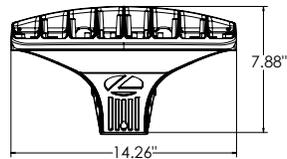
DSX1 with RPA, RPA5, SPA5, SPA8N mount
Weight: 36 lbs



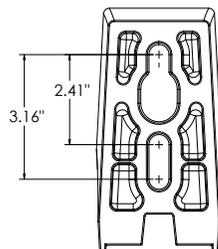
DSX1 with WBA mount
Weight: 38 lbs



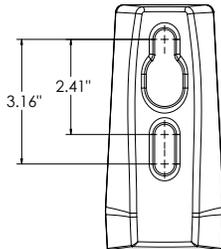
DSX1 with MA mount
Weight: 39 lbs



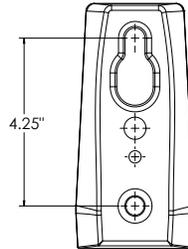
SPA (STANDARD ARM)



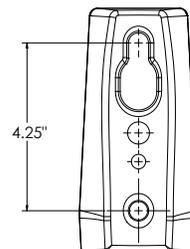
RPA



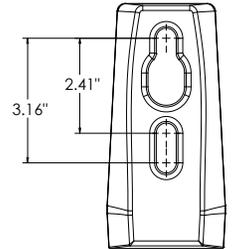
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RPA5



SPA8N

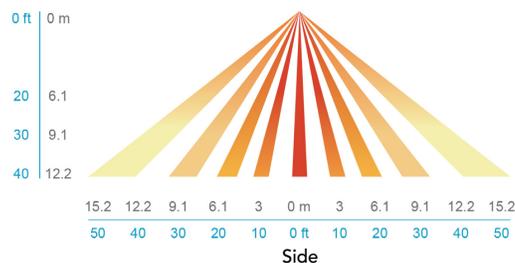
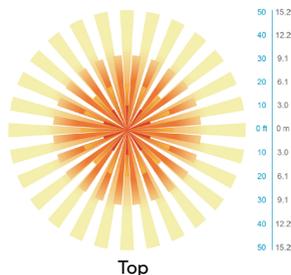




nLight Control - Sensor Coverage and Settings

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.

BUY AMERICAN ACT

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

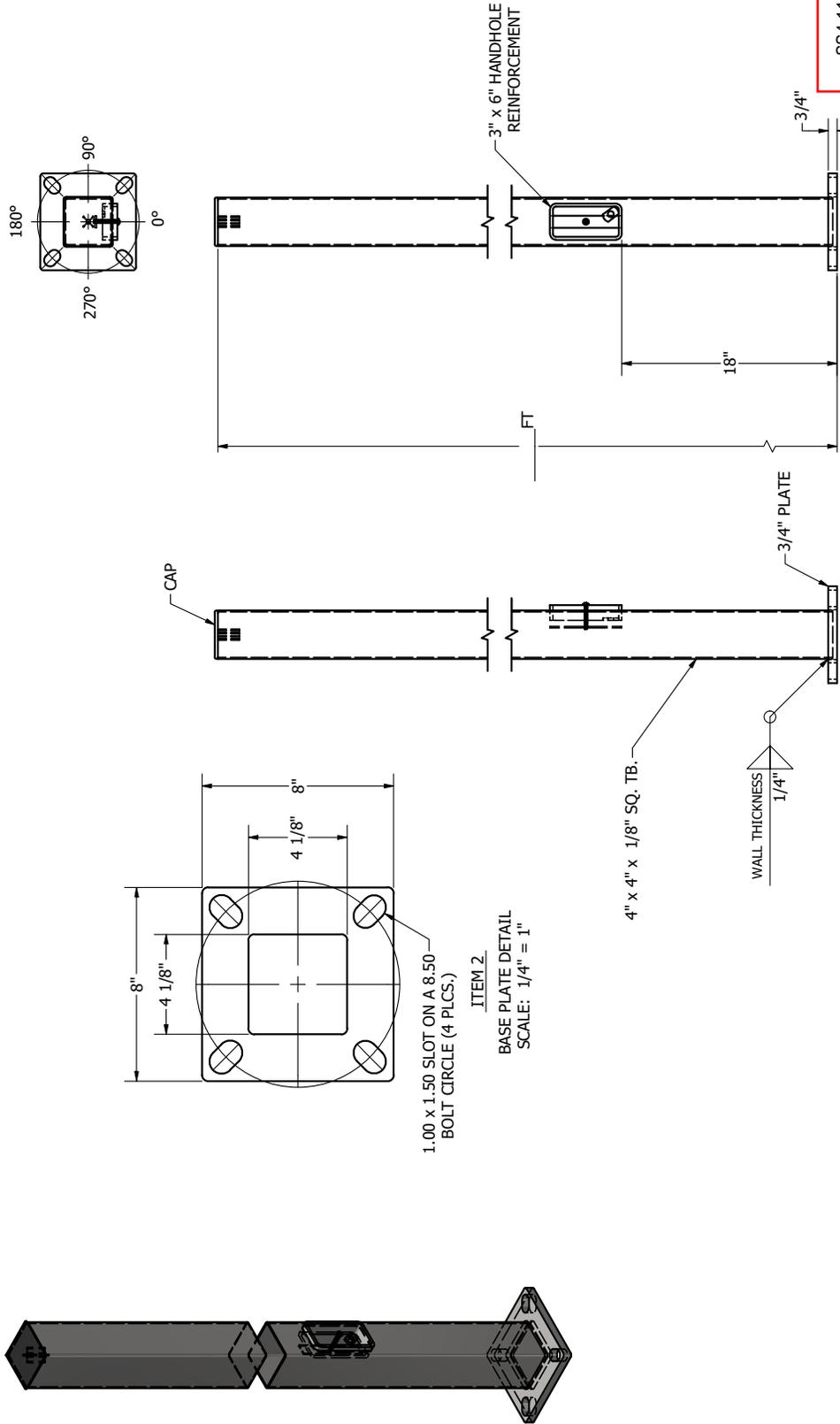
WARRANTY

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

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



COMMERCIAL OUTDOOR



REV	DATE	BY	DESCRIPTION	PART NO. SS4-11-18 DWG NO. G-8606-0
				PART NO. SPQ4-11-18 DWG NO. G-8606-0
				UTILITY METALS (A DIVISION OF FABRICATED METALS LLC.)
				DRAWN BY: P. DAUGHERTY APPROVED: PD EN: SCALE: 1/8" = 1" DATE: 1/22/09
				TOLERANCES: UNLESS OTHERWISE SPECIFIED FRACTIONAL ± 1/8" DECIMAL ± 0.06 ANGULAR ± 1°
				THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE EXPRESS WRITTEN CONSENT OF FABRICATED METALS LLC



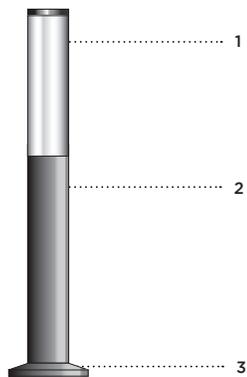
LUMINIS®

CL313/CL313XL/CL323 SERIES LumiSTIK 3" BOLLARD

TYPE: _____ QUANTITY: _____ PROJECT: _____

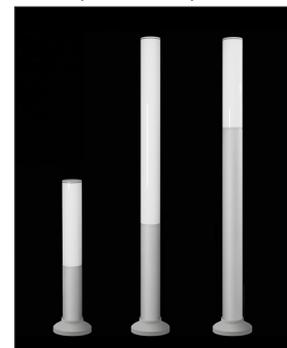
CATALOG NUMBER:

FIXTURE LED LIGHT SELECTION VOLTAGE FINISH OPTION OPTION OPTION OPTION



- 1- Ø 3" (76mm) high impact white translucent acrylic diffuser UV stabilized. Available in two acrylic lengths.
- 2- Ø 3" (76mm) extruded aluminum base.
- 3- One piece aluminum base cover.

CL313/CL313XL/CL323



MATERIALS

LumiSTIK bollard is made of corrosion resistant 356 aluminum alloy with a copper (CU) content of less than 0.1%. LED is contained in a white UV stabilized high impact acrylic sealed cylinder. The assembly is designed to provide a uniform column illumination.

ELECTRICAL

DRIVER Standard driver is 0-10V dimming-ready (dims to 10%) with: 120-277 multi-volt compatibility (50-60Hz), operating temperature range of -40°C to +55°C/-40°F to +131°F except CL313 (-20°C to +50°C/-4°F to +122°F), output over voltage protection, output over current protection and output short circuit protection with auto-recovery. Driver for RGBW operating temperature range -20°C to +50°C/-4°F to +122°F.

LED 2700K/3000K/3500K/4000K CCT with 80 CRI. Optional RGBW.

LIFE

50,000hrs L₈₅B₅₀ (based on IESNA TM-21 Test Method and LM-80 data).

FINISH

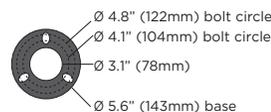
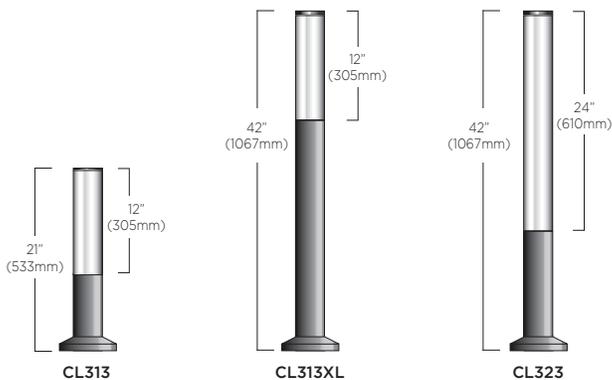
Five-stage preparation process includes preheating of cast aluminum parts for air extraction. Polyester powder coating is applied through an electrostatic process, and oven cured for long term finish.

CERTIFICATION

Certified and Approved as per CSA C22.2 No.: 250.0 standard and ANSI/UL 1598 standard, for wet location. Rated IP65. Photometric testing performed by an independent laboratory in accordance with IES LM-79-08 standards at 25°C. Lumen depreciation in accordance with IESNA LM80 standards.

MOUNTING

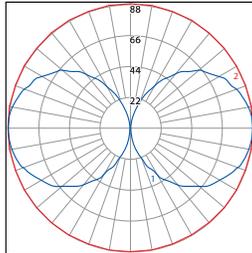
Mounts with a set of 3 x 3/8"-16 x 3 3/4" lg. galvanized anchor bolts.





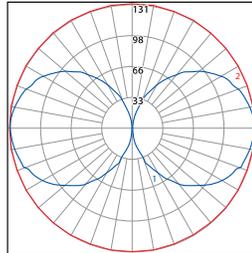
CL313/CL313XL/CL323 SERIES LumISTIK

TYPICAL PHOTOMETRY SUMMARY



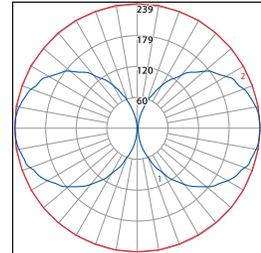
Descriptive Information

CL313-L4L10
Total Lms: 830 lumens
Total input watts: 9W
Efficacy: 92 lumens/watt
BUG: B0-U3-G1
CCT/CRI: 4000K/80
Maximum candela: 88 @ 0°H/98°V



Descriptive Information

CL313XL-L4L15
Total Lms: 1230 lumens
Total input watts: 13 W
Efficacy: 95 lumens/watt
BUG: B1-U3-G1
CCT/CRI: 4000K/80
Maximum candela: 131 @ 0°H/92°V



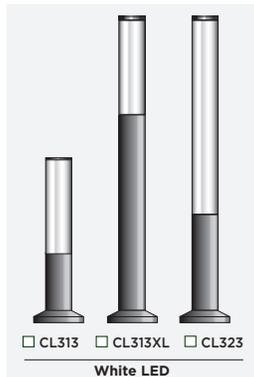
Descriptive Information

CL323-L4L20
Total Lms: 2250 lumens
Total input watts: 21W
Efficacy: 107 lumens/watt
BUG: B1-U4-G2
CCT/CRI: 4000K/80
Maximum candela: 239 @ 0°H/92°V

Please visit our web site www.luminis.com for complete I.E.S. formatted download data.

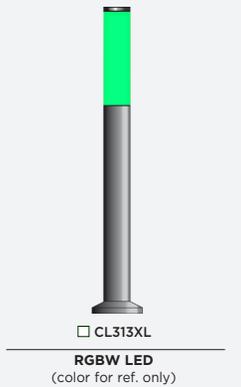
LUMINAIRE SELECTION

1 MODEL



CL313 CL313XL CL323

White LED



CL313XL

RGBW LED
(color for ref. only)

2 LED LIGHT SELECTION (4000K/80CRI)

	SUFFIX	DELIVERED LUMENS	INPUT WATTS
CL313	<input type="checkbox"/> L4L10	830	9
CL313XL	<input type="checkbox"/> L4L10	830	9
	<input type="checkbox"/> L4L15	1230	13
CL323	<input type="checkbox"/> L4L10	830	9
	<input type="checkbox"/> L4L15	1640	16
	<input type="checkbox"/> L4L20	2250	21

3 VOLTAGE 1 4 FINISH

120V
 277V

VOLT = Specify

STANDARD COLORS*

- WHT Snow white
- BKT Jet black
- BZT Bronze
- MST Matte silver
- GRT Titanium gray
- DGT Gun metal
- CHT Champagne
- SGT Steel gray
- BGT English cream

OPTIONAL COLORS

- CS Custom color
- RAL RAL# color
- MG Marine Grade⁴

(Ensure to also select the standard color)

*Refer to color chart

FINISH = Specify

5 RGBW SELECTION

	SUFFIX	DELIVERED LUMENS	INPUT WATTS	LM/FT
CL313XL	<input type="checkbox"/> L4RGBW	662	12	662

Note: Values are for total delivered lumens. For individual maximum output values, refer to page 3. White CCT is 4000K & 80CRI.





CL313/CL313XL/CL323 SERIES LumiSTIK

OPTIONS

ELECTRICAL

- REML2-50** Remote mount battery backup for LED 90 mins, 7W²
 Remote mount to 50ft. 12" square enclosure with acces cover
- FS** Fuse
- PH** Photocell³
- SP** Surge protector 10KV

MOUNTING

Alternate CCT %K LED (LCF: Lumen conversion factor)

- K27** 2700K CCT 80 CRI (LCF: 0.91)
- K3** 3000K CCT 80 CRI (LCF: 0.94)
- K35** 3500K CCT 80 CRI (LCF: 0.983)
- K4** 4000K CCT 80 CRI (LCF: 1.00)
- NOTE: Other CCT & higher CRI available, please consult factory.

FAUX WOOD COLORS⁶

- | | |
|--|--|
| <input type="checkbox"/> ADG American douglas | <input type="checkbox"/> MPL Maple |
| <input type="checkbox"/> BRC Birch | <input type="checkbox"/> OFL Oak |
| <input type="checkbox"/> CHN Chestnut | <input type="checkbox"/> RSW Rosewood |
| <input type="checkbox"/> CRY Cherry | <input type="checkbox"/> TEK Teak |
| <input type="checkbox"/> KNP Knotty pine | <input type="checkbox"/> WLN Walnut |

KXX = Specify

NOTES

- 1- If no voltage is specified, luminaires are factory prewired by default for 120V. For other voltages, please specify with catalog number, or consult factory.
- 2- The remote enclosure must be interior.
- 3- Only available on CL313XL. Photocell installed on the side of the fixture.
- 4- Marine grade paint for harsh, coastal environment and exposure to salt water. Additional delay required please contact factory for info.
- 5- RGBW not available with options PH and REML2-50.
- 6- Faux wood finish not applied to fixture head or base cover. Not compatible with marine grade finish.

RGBW DETAILS

RGBW DMX

 Total delivered lumens⁵

SUFFIX	Maximum output values								
	WHITE 4000K			TOT RGB			TOT		
	W	lm	lm/ft	W	lm	lm/ft	W	lm	lm/ft
CL313XL <input type="checkbox"/> L4RGBW	3	374	374	9	288	288	12	662	662

The fixtures will be delivered with the default address 1.

 LUMINIS | Toll free: 866.586.4647 Fax: 514.683.8872 Email: info@luminis.com
 260 Labrosse, Pointe-Claire (QC) Canada H9R 5L5

LUMINIS.COM

Luminaires may be altered for design improvement or discontinued without prior notice.

| 3



Job Name:
Homewood Suites - Madison Site Lighting

Catalog Number:
WPX1 LED P1 XXK MVOLT FINISH

Type:
OW2

Notes:

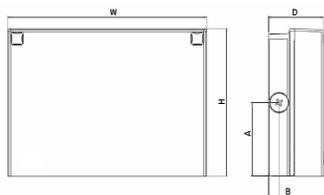
ELL23-123986



WPX LED Wall Packs



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)

Catalog Number

Notes

Type

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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 = Specify	
				Color Temperature	Voltage
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.

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.

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.





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 0-50°C (32-122°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.

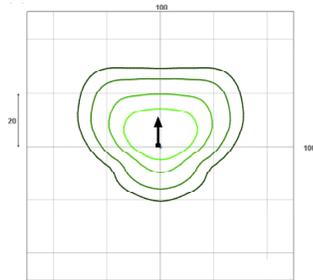
Battery Type	Minimum Temperature Rating	Power (Watts)	Controls Option	Ordering Example
Standard	0°C	4W	E4WH	WPX2 LED 40K MVOLT E4WH DDBXD
Cold Weather	-20°C	14W	E14WC	WPX2 LED 40K MVOLT E14WC DDBXD

Photometric Diagrams

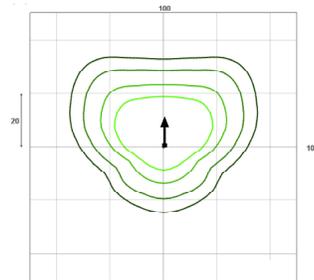
To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting [WPX LED](http://www.lithonia.com) homepage. Tested in accordance with IESNA LM-79 and LM-80 standards

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

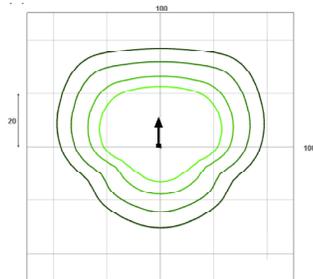
WPX1 LED P1



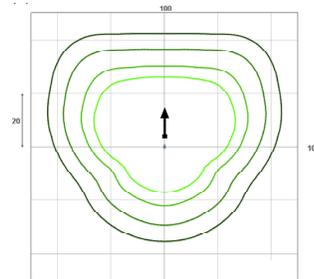
WPX1 LED P2



WPX2 LED



WPX3 LED



Mounting Height = 12 Feet.





Job Name:
Homewood Suites - Madison Site Lighting

Catalog Number:
WDGE2 LED P0 XXK 80CRI T1S
MVOLT SRM FINISH
Notes:

Type:
OW3

ELL23-123986



WDGE2 LED

Architectural Wall Sconce

Precision Refractive Optic



Catalog Number

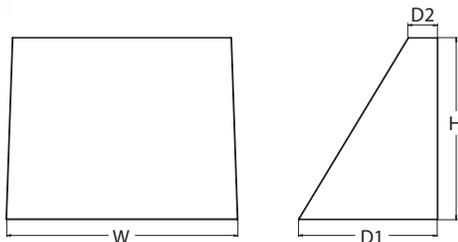
Notes

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

Specifications

- Depth (D1):** 7"
- Depth (D2):** 1.5"
- Height:** 9"
- Width:** 11.5"
- Weight:** 13.5 lbs
(without options)



Introduction

The WDGE2 family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean rectilinear design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing a true site-wide solution. Embedded with nLight® AIR wireless controls, the WDGE2 family provides additional energy savings and code compliance.

WDGE2 with industry leading precision refractive optics provides great uniform distribution and optical control. When combined with multiple integrated emergency battery backup options, including an 18W cold temperature option, the WDGE2 becomes the ideal wall-mounted lighting solution for pedestrian scale applications in any environment.



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

WDGE LED Family Overview

Luminaire	Optics	Standard EM, 0°C	Cold EM, -20°C	Sensor	Approximate Lumens (4000K, 80CRI)						
					P0	P1	P2	P3	P4	P5	P6
WDGE1 LED	Visual Comfort	4W		--	750	1,200	2,000	--	--	--	--
WDGE2 LED	Visual Comfort	10W	18W	Standalone / nLight	--	1,200	2,000	3,000	4,500	6,000	--
WDGE2 LED	Precision Refractive	10W	18W	Standalone / nLight	700	1,200	2,000	3,200	4,200	--	--
WDGE3 LED	Precision Refractive	15W	18W	Standalone / nLight	--	7,500	8,500	10,000	12,000	--	--
WDGE4 LED	Precision Refractive			Standalone / nLight	--	12,000	16,000	18,000	20,000	22,000	25,000

Ordering Information

EXAMPLE: WDGE2 LED P3 40K 80CRI T3M MVOLT SRM DDBXD

Series	Package	Color Temperature	CRI	Distribution	Voltage	Mounting
WDGE2 LED	P0 ¹	27K 2700K	70CRI ⁴	T1S Type I Short	MVOLT	Shipped included
	P1 ²	30K 3000K	80CRI	T2M Type II Medium	347 ⁵	SRM Surface mounting bracket
	P2 ²	40K 4000K	LW ³ Limited Wavelength	T3M Type III Medium	480 ⁵	ICW Indirect Canopy/Ceiling Washer bracket (dry/damp locations only) ⁶
	P3 ²	50K 5000K		T4M Type IV Medium		
	P4 ²	AMB ³ Amber		TFTM Forward Throw Medium		

Shipped separately
AWS 3/8inch Architectural wall spacer
PBBW Surface-mounted back box (top, left, right conduit entry). Use when there is no junction box available

Options	Finish
<p>E10WH Emergency battery backup, Certified in CA Title 20 MAEDBS (10W, 5°C min)</p> <p>E20WC Emergency battery backup, Certified in CA Title 20 MAEDBS (18W, -20°C min)</p> <p>PE⁷ Photocell, Button Type</p> <p>DMG⁸ 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately)</p> <p>BCE Bottom conduit entry for back box (PBBW). Total of 4 entry points.</p> <p>CC Coastal Construction</p>	<p>DDBXD Dark bronze</p> <p>DBLXD Black</p> <p>DNAXD Natural aluminum</p> <p>DWHXD White</p> <p>DSSXD Sandstone</p> <p>DDBTXD Textured dark bronze</p> <p>DBLTXD Textured black</p> <p>DNATXD Textured natural aluminum</p> <p>DWHGXD Textured white</p> <p>DSSTXD Textured sandstone</p>
<p>Standalone Sensors/Controls</p> <p>PIR Bi-level (100/35%) motion sensor for 8-15' mounting heights. Intended for use on switched circuits with external dusk to dawn switching.</p> <p>PIRH Bi-level (100/35%) motion sensor for 15-30' mounting heights. Intended for use on switched circuits with external dusk to dawn switching.</p> <p>PIR1FC3V Bi-level (100/35%) motion sensor for 8-15' mounting heights with photocell pre-programmed for dusk to dawn operation.</p> <p>PIRH1FC3V Bi-level (100/35%) motion sensor for 15-30' mounting heights with photocell pre-programmed for dusk to dawn operation.</p> <p>Networked Sensors/Controls</p> <p>NLTAIR2 PIR Embedded wireless controls by nLight with Passive Infrared Occ sensor and on/off photocell for 8-15' mounting heights.</p> <p>NLTAIR2 PIRH Embedded wireless controls by nLight with Passive Infrared Occ sensor and on/off photocell for 15-30' mounting heights.</p> <p>NLTAIREM2 Embedded wireless controls by nLight with UL924 listed emergency operation, Passive Infrared Occ sensor and on/off.</p> <p>PIRH photocell for 15-30' mounting heights</p> <p>See page 4 for out of box functionality</p>	



COMMERCIAL OUTDOOR

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WDGE2 LED
Rev. 05/30/24



Accessories

Ordered and shipped separately.

- WDGEAW5 DDBXD U WDGE 3/8inch Architectural Wall Spacer (specify finish)
- WDGE2PBBW DDBXD U WDGE2 surface-mounted back box (specify finish)

NOTES

- 1 P0 option not available with sensors/controls.
- 2 P1-P4 not available with AMB and LW.
- 3 AMB and LW always go together.
- 4 70CRI only available with T3M and T4M.
- 5 347V and 480V not available with E10WH or E20WC.
- 6 Not qualified for DLC. Not available with emergency battery backup or sensors/controls.
- 7 PE not available in 480V or with sensors/controls.
- 8 DMG option not available with sensors/controls.

Performance Data

Lumen Output

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

Performance Package	System Watts	Dist. Type	27K (2700K, 80 CRI)					30K (3000K, 80 CRI)					40K (4000K, 80 CRI)					50K (5000K, 80 CRI)					Amber (Limited Wavelength)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P0	7W	T1S	636	92	0	0	0	666	97	0	0	0	699	101	0	0	1	691	100	0	0	1	712	47	0	0	1
		T2M	662	96	0	0	0	693	101	0	0	0	728	106	0	0	0	719	104	0	0	0	741	48	0	0	0
		T3M	662	96	0	0	0	693	101	0	0	0	728	106	0	0	0	719	104	0	0	0	741	48	0	0	0
		T4M	648	94	0	0	0	679	98	0	0	0	712	103	0	0	0	704	102	0	0	0	726	47	0	0	0
		TFTM	652	95	0	0	0	683	99	0	0	0	717	104	0	0	0	708	103	0	0	0	730	48	0	0	1
P1	11W	T1S	1,105	99	0	0	1	1,157	104	0	0	1	1,215	109	0	0	1	1,200	107	0	0	1					
		T2M	1,150	103	0	0	1	1,204	108	0	0	1	1,264	113	0	0	1	1,249	112	0	0	1					
		T3M	1,150	103	0	0	1	1,205	108	0	0	1	1,265	113	0	0	1	1,250	112	0	0	1					
		T4M	1,126	101	0	0	1	1,179	106	0	0	1	1,238	111	0	0	1	1,223	110	0	0	1					
		TFTM	1,133	101	0	0	1	1,186	106	0	0	1	1,245	112	0	0	1	1,230	110	0	0	1					
P2	19W	T1S	1,801	95	1	0	1	1,886	99	1	0	1	1,981	104	1	0	1	1,957	103	1	0	1					
		T2M	1,875	99	1	0	1	1,963	103	1	0	1	2,061	109	1	0	1	2,037	107	1	0	1					
		T3M	1,876	99	1	0	1	1,964	103	1	0	1	2,062	109	1	0	1	2,038	107	1	0	1					
		T4M	1,836	97	1	0	1	1,922	101	1	0	1	2,018	106	1	0	1	1,994	105	1	0	1					
		TFTM	1,847	97	1	0	1	1,934	102	1	0	1	2,030	107	1	0	1	2,006	106	1	0	1					
P3	32W	T1S	2,809	87	1	0	1	2,942	92	1	0	1	3,089	96	1	0	1	3,052	95	1	0	1					
		T2M	2,924	91	1	0	1	3,062	95	1	0	1	3,215	100	1	0	1	3,176	99	1	0	1					
		T3M	2,925	91	1	0	1	3,063	95	1	0	1	3,216	100	1	0	1	3,177	99	1	0	1					
		T4M	2,862	89	1	0	1	2,997	93	1	0	1	3,147	98	1	0	1	3,110	97	1	0	1					
		TFTM	2,880	90	1	0	1	3,015	94	1	0	1	3,166	99	1	0	1	3,128	97	1	0	1					
P4	47W	T1S	3,729	80	1	0	1	3,904	84	1	0	1	4,099	88	1	0	1	4,051	87	1	0	1					
		T2M	3,881	83	1	0	1	4,063	87	1	0	1	4,267	91	1	0	1	4,216	90	1	0	1					
		T3M	3,882	83	1	0	1	4,065	87	1	0	1	4,268	91	1	0	1	4,217	90	1	0	1					
		T4M	3,799	81	1	0	1	3,978	85	1	0	1	4,177	90	1	0	1	4,127	88	1	0	1					
		TFTM	3,822	82	1	0	1	4,002	86	1	0	1	4,202	90	1	0	1	4,152	89	1	0	1					

Performance Package	System Watts	Dist. Type	27K (2700K, 70 CRI)					30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)									
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G					
P0	7W	T3M	737	107	0	0	0	763	111	0	0	0	822	119	0	0	0	832	121	0	0	1					
		T4M	721	105	0	0	0	746	108	0	0	0	804	117	0	0	1	814	118	0	0	1					
P1	11W	T3M	1,280	115	0	0	1	1,325	119	0	0	1	1,427	128	1	0	1	1,445	129	1	0	1					
		T4M	1,253	112	0	0	1	1,297	116	0	0	1	1,397	125	0	0	1	1,415	127	0	0	1					
P2	19W	T3M	2,087	110	1	0	1	2,160	114	1	0	1	2,327	123	1	0	1	2,357	124	1	0	1					
		T4M	2,042	108	1	0	1	2,114	111	1	0	1	2,278	120	1	0	1	2,306	121	1	0	1					
P3	32W	T3M	3,254	101	1	0	1	3,369	105	1	0	1	3,629	113	1	0	1	3,675	114	1	0	1					
		T4M	3,185	99	1	0	1	3,297	103	1	0	1	3,552	111	1	0	1	3,597	112	1	0	1					
P4	47W	T3M	4,319	93	1	0	1	4,471	96	1	0	1	4,817	103	1	0	2	4,878	105	1	0	2					
		T4M	4,227	91	1	0	1	4,376	94	1	0	2	4,714	101	1	0	2	4,774	102	1	0	2					





Electrical Load

Performance Package	System Watts	Current (A)					
		120Vac	208Vac	240Vac	277Vac	347Vac	480Vac
P0	7.0	0.061	0.042	0.04	0.039	--	--
	9.0	--	--	--	--	0.031	0.021
P1	11.0	0.100	0.064	0.059	0.054	--	--
	14.1	--	--	--	--	0.046	0.031
P2	19.0	0.168	0.106	0.095	0.083	--	--
	22.8	--	--	--	--	0.067	0.050
P3	32.0	0.284	0.163	0.144	0.131	--	--
	37.1	--	--	--	--	0.107	0.079
P4	47.0	0.412	0.234	0.207	0.185	--	--
	53.5	--	--	--	--	0.153	0.112

Lumen Output in Emergency Mode (4000K, 80 CRI, T3M)

Option	Lumens
E10WH	1,358
E20WC	2,230

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.03
10°C	50°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.97

Projected LED Lumen Maintenance

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

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

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.96	>0.93	>0.87

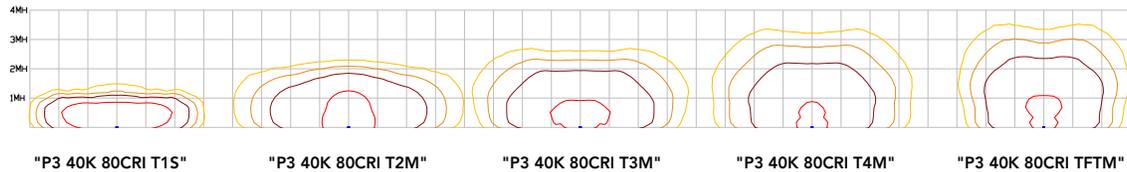
Photometric Diagrams

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

LEGEND

- 0.25 fc
- 0.5 fc
- 1.0 fc
- 3.0 fc

MH = 10ft
Grid = 10ft x 10ft



Emergency Egress Options

Emergency Battery Backup

The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency battery backup configurations include an independent secondary driver with an integral relay to immediately detect loss of normal power and automatically energize the luminaire. The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time normal power is lost and maintain a minimum of 60% of the light output at the end of 90 minutes.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9





Control / Sensor Options

Motion/Ambient Sensor (PIR, PIRH)

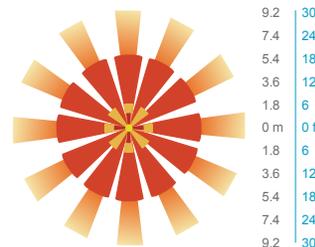
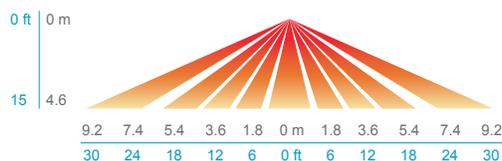
Motion/Ambient sensor (Sensor Switch MSOD) is integrated into the the luminaire. The sensor provides both Motion and Daylight based dimming of the luminaire. For motion detection, the sensor utilizes 100% Digital Passive Infrared (PIR) technology that is tuned for walking size motion while preventing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

Networked Control (NLTAIR2)

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

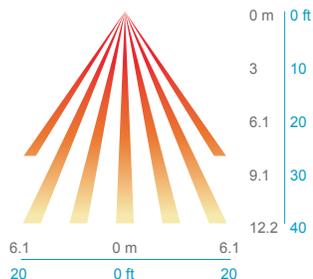
PIR

HIGH VIEW

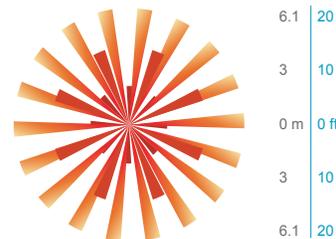


PIRH

SIDE VIEW



TOP VIEW



Option	Dim Level	High Level (when triggered)	Photocell Operation	Motion Time Delay	Ramp-down Time	Ramp-up Time
PIR or PIRH	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
PIR1FC3V, PIRH1FC3V	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 1fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
NLTAIR2 PIR, NLTAIR2 PIRH (out of box)	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	7.5 min	5 min	Motion - 3 sec Photocell - 45 sec



Mounting, Options & Accessories



Motion/Ambient Sensor

D = 7"
 H = 9" (Standalone controls)
 11" (nLight AIR controls, 2" antenna will be pointing down behind the sensor)
 W = 11.5"



PBBW – Surface-Mounted Back Box

Use when there is no junction box available.

D = 1.75"
 H = 9"
 W = 11.5"



AWS – 3/8inch Architectural Wall Spacer

D = 0.38"
 H = 4.4"
 W = 7.5"

FEATURES & SPECIFICATIONS

INTENDED USE

Common architectural look, with clean rectilinear shape, of the WDGE LED was designed to blend with any type of construction, whether it be tilt-up, frame or brick. Applications include commercial offices, warehouses, hospitals, schools, malls, restaurants, and other commercial buildings.

CONSTRUCTION

The single-piece die-cast aluminum housing integrates secondary heat sinks to optimize thermal transfer from the internal light engine heat sinks and promote long life. The driver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP66 rating for the luminaire.

FINISH

Exterior painted parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

OPTICS

Individually formed acrylic lenses are engineered for superior application efficiency which maximizes the light in the areas where it is most needed. The WDGE LED 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 consists of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L91/100,000 hours at 25°C). The electronic driver has a power factor of >90%, THD <20%. Luminaire comes with built in 6kV surge protection, which meets a minimum Category C low exposure (per ANSI/IEEE C62.41.2). Fixture ships standard with 0-10v dimmable driver.

INSTALLATION

A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections. The 3/8" Architectural Wall Spacer (AWS) can be used to create a floating appearance or to accommodate small imperfections in the wall surface. The ICW option can be used to mount the luminaire inverted for indirect lighting in dry and damp locations. Design can withstand up to a 1.5 G vibration load rating per ANSI C136.31.

LISTINGS

CSA certified to U.S. and Canadian standards. Luminaire is IP66 rated. PIR options are rated for wet location. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL 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 2700K and 3000K color temperature only and SRM mounting only.

GOVERNMENT PROCUREMENT

BABA – Build America Buy America: Product 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.



PLATE OUT DOUBLE 3450

PROJECT PROJCT

SPEC TYPE

NOTES



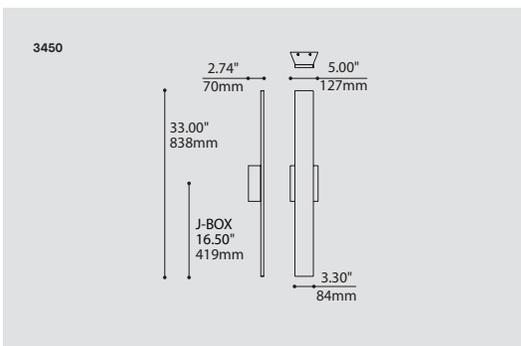
OPTIONS



WHE



BLKE



ORDERING SPECIFICATION SÉPIFICATION DE COMMANDE CODE

MODEL MODÈLE 3450

3450 PLATE OUT DOUBLE

LIGHT SOURCE SOURCE LUMINEUSE

(WATTAGE, LAMP TYPE, OTHER INFO)

LED REGULAR OUTPUT

LED.HO HIGH OUTPUT

COLOR TEMPERATURE TEMPÉRATURE DE COULEUR

27* 2700K

30 3000K

35 3500K

40 4000K

XX = Specify

*LONGER LEAD TIME MAY APPLY, PLEASE CONTACT YOUR EUREKA REPRESENTATIVE

VOLTAGE VOLTAGE

120V 120 VOLT

277V 277 VOLT

VOLT = Specify

DIMMING OPTION OPTION DE GRADATION

DV 0-10V DIMMING (120-277V)

HOUSING BOITIER

WHE WHITE FINE TEXTURE

ANTE ANTHRAHITE FINE TEXTURE

BLKE BLACK FINE TEXTURE

FINISH = Specify

PRODUCT CHARACTERISTICS CARACTÉRISTIQUES DU PRODUIT



- DESIGN:** Designed for use in corridors and public areas, these wall mounted indirect luminaires are outdoor versions of our Plate and are built to be rugged and withstand the elements. They are available in a classic simple version or with the extended double light source version. Both are ADA compliant and can be used indoors.
- LIGHT SOURCE:** Linear LED strip with self-modulating temperature control for an optimal performance and lifetime. Available with standard 0-10V dimming.
- CONSTRUCTION:** CNC machined aluminum, die-stamped galvanized steel and four levels of die-cut silicone gaskets for secure weather resistance.
- DIFFUSER:** Translucent frosted acrylic.
- CERTIFIED:** CSA Listed to US and Canadian safety standards; 25°C ambient and wet-locations. IP65 rated
- CONCEPTION:** Conçues pour être utilisées dans les couloirs et espaces publics, ces appliques murales à éclairage indirect sont des versions extérieures de notre Plate et sont conçues pour être robustes et résister aux intempéries. Elles sont offertes en version simple et en version étendue avec source lumineuse doublée. Elles sont conformes à la norme ADA et peuvent être installées à l'intérieur.
- SOURCE LUMINEUSE:** Bande lumineuse DEL avec autocontrôle de température pour une performance et durée de vie optimale. Offert avec gradation standard 0-10V.
- CONSTRUCTION:** Aluminium usiné par contrôle numérique, acier galvanisé découpé et plié avec les joints d'étanchéité en silicone comprimé pour résister aux intempéries.
- DIFFUSEUR:** Acrylique givré translucide.
- CERTIFIÉ:** Homologué CSA aux standards UL Canada et É.-U. - Température ambiante 25°C et emplacements mouillés. Conforme à la norme IP65

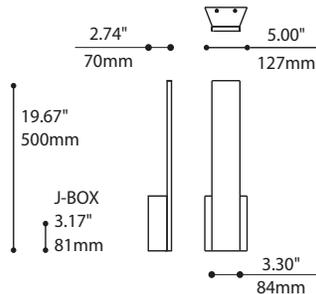


PLATE OUT 3449/3450

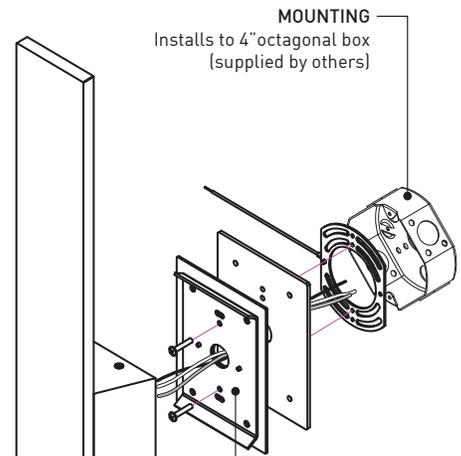
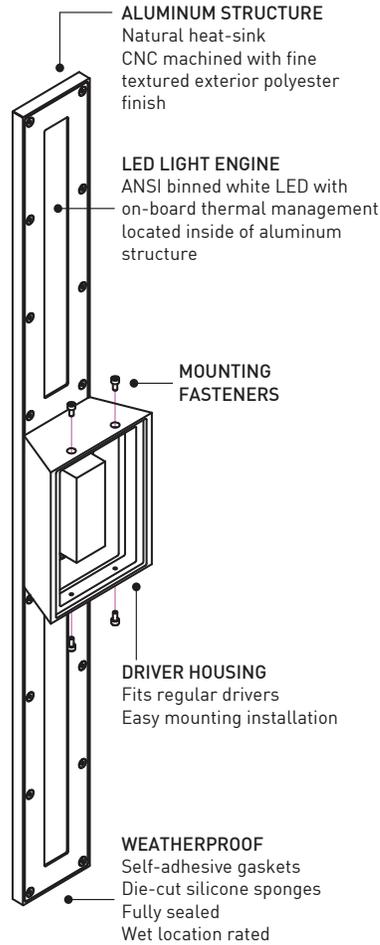
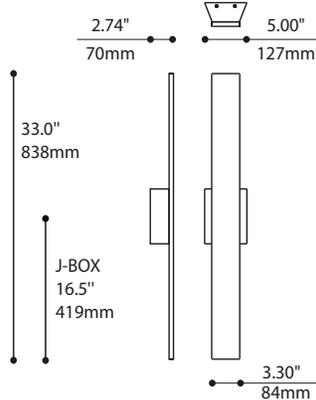
DESIGNED FOR
CONÇU POUR **IP65**

CONTACT EUREKA FOR MORE INFORMATION
CONTACTEZ EUREKA POUR PLUS D'INFORMATIONS

3449



3450



EASY INSTALLATION
Sturdy 16 GA galvanized steel mounting bracket

MINIMALIST DESIGN
Extended double light source indirect wall fixture can be mounted vertically or horizontally



reddot award 2015 winner



PRODUCT SPECIFICATION **3449 - REG** **3449 - HO** **3450 - REG** **3450 - HO**

PERFORMANCE

SYSTEM WATTAGE	4.9 W	7.3 W	9.9 W	14.6 W
DELIVERED LUMENS (4000K)	378LM	540 LM	757 LM	1080 LM
EFFICACY	77.1 LM/W	73.9 LM/W	76.4 LM/W	73.9 LM/W

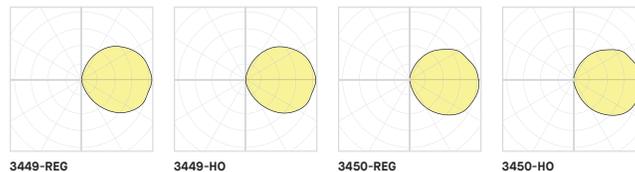
OTHER INFORMATIONS

LUMINAIRE'S WEIGHT	6.53LBS LBS / 2.97 KG	6.53LBS LBS / 2.97 KG	8.45 LBS LBS / 3.84 KG	8.45 LBS / 3.84 KG
L70 (LUMEN MAINTENANCE)	> 60 000 HRS	> 60 000 HRS	> 60 000 HRS	> 60 000 HRS

EFFICACY MULTIPLIERS

CRI	CCT	FACTOR
80+	4000K	1.00
80+	3500K	0.98
80+	3000K	0.94
80+	2700K	0.91
90+	4000K	0.88
90+	3500K	0.85
90+	3000K	0.81
90+	2700K	0.77

LIGHT DISTRIBUTION



Visit our website for warranty terms and conditions.



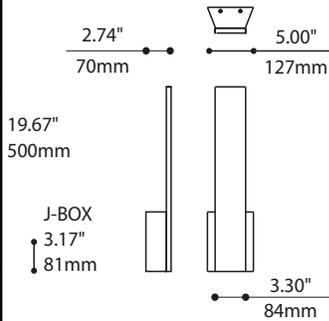
TECHNICAL DATA

PLATE OUT 3449/3450

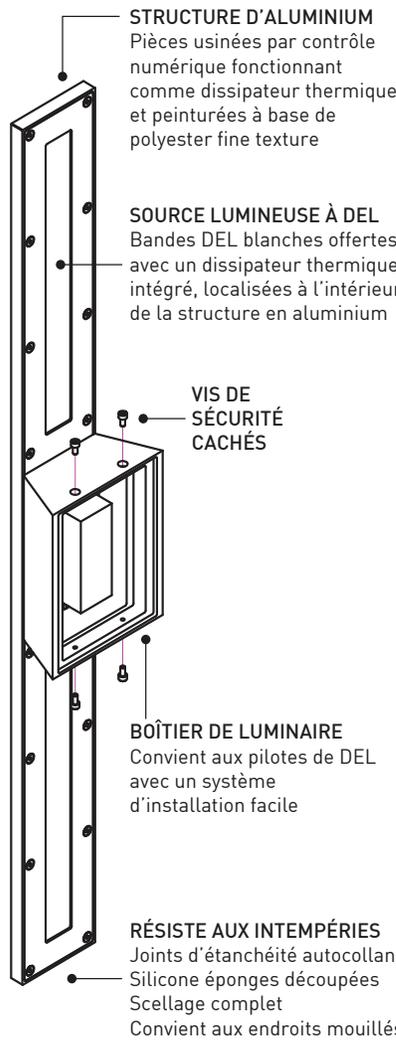
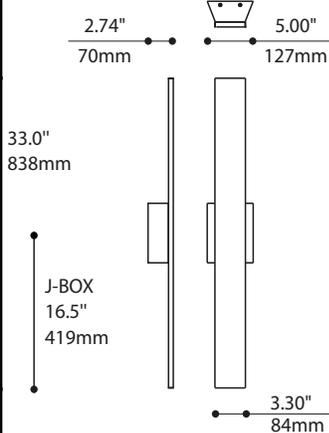
DESIGNED FOR
CONÇU POUR **IP65**

CONTACT EUREKA FOR MORE INFORMATION
CONTACTEZ EUREKA POUR PLUS D'INFORMATIONS

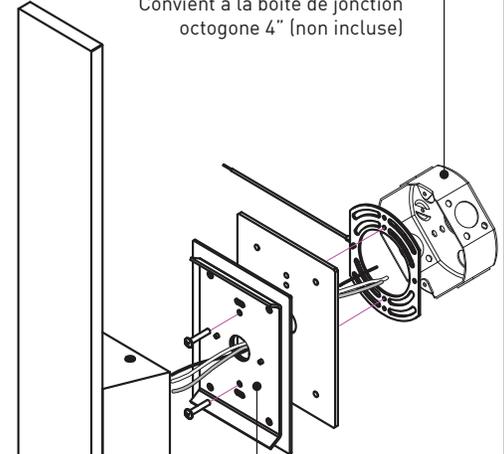
3449



3450



SYSTÈME DE MONTAGE
Convient à la boîte de jonction octogone 4" (non incluse)



INSTALLATION SOLIDE
Plaque murale en acier galvanisé 16 GA

DESIGN MINIMALISTE
Version à double source lumineuse indirecte pouvant être montée verticalement ou horizontalement



reddot award 2015 winner



SPÉCIFICATION PRODUIT **3449 - REG** **3449 - HO** **3450 - REG** **3450 - HO**

PERFORMANCE

PUISSANCE TOTALE	4.9 W	7.3 W	9.9 W	14.6 W
LUMENS RÉELS (4000K)	378LM	540 LM	757 LM	1080 LM
EFFICACITÉ	77.1 LM/W	73.9 LM/W	76.4 LM/W	73.9 LM/W

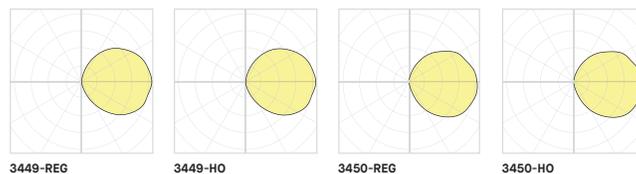
AUTRES INFORMATIONS

POIDS PAR TÊTE	6.53LBS LBS / 2.97 KG	6.53LBS LBS / 2.97 KG	8.45 LBS LBS / 3.84 KG	8.45 LBS / 3.84 KG
L70 (MAINTENANCE DE LA LUMIÈRE)	> 60 000 H	> 60 000 H	> 60 000 H	> 60 000 H

FACTEUR D'EFFICACITÉ

IRC	CCT	FACTEUR
80+	4000K	1.00
80+	3500K	0.98
80+	3000K	0.94
80+	2700K	0.91
90+	4000K	0.88
90+	3500K	0.85
90+	3000K	0.81
90+	2700K	0.77

DISTRIBUTION LUMINEUSE



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DONNÉES TECHNIQUES



Job Name:
Homewood Suites - Madison Site Lighting

Catalog Number:
WDGE2 LED P1 XXK 80CRI TFTM
MVOLT SRM FINISH
Notes:

Type:
OW5

ELL23-123986



WDGE2 LED

Architectural Wall Sconce

Precision Refractive Optic



Catalog Number

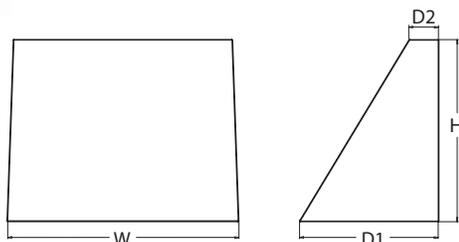
Notes

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

Specifications

- Depth (D1):** 7"
- Depth (D2):** 1.5"
- Height:** 9"
- Width:** 11.5"
- Weight:** 13.5 lbs
(without options)



Introduction

The WDGE2 family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean rectilinear design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing a true site-wide solution. Embedded with nLight® AIR wireless controls, the WDGE2 family provides additional energy savings and code compliance.

WDGE2 with industry leading precision refractive optics provides great uniform distribution and optical control. When combined with multiple integrated emergency battery backup options, including an 18W cold temperature option, the WDGE2 becomes the ideal wall-mounted lighting solution for pedestrian scale applications in any environment.



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

WDGE LED Family Overview

Luminaire	Optics	Standard EM, 0°C	Cold EM, -20°C	Sensor	Approximate Lumens (4000K, 80CRI)						
					P0	P1	P2	P3	P4	P5	P6
WDGE1 LED	Visual Comfort	4W		--	750	1,200	2,000	--	--	--	--
WDGE2 LED	Visual Comfort	10W	18W	Standalone / nLight	--	1,200	2,000	3,000	4,500	6,000	--
WDGE2 LED	Precision Refractive	10W	18W	Standalone / nLight	700	1,200	2,000	3,200	4,200	--	--
WDGE3 LED	Precision Refractive	15W	18W	Standalone / nLight	--	7,500	8,500	10,000	12,000	--	--
WDGE4 LED	Precision Refractive			Standalone / nLight	--	12,000	16,000	18,000	20,000	22,000	25,000

Ordering Information

EXAMPLE: WDGE2 LED P3 40K 80CRI T3M MVOLT SRM DDBXD

Series	Package	Color Temperature	CRI	Distribution	Voltage	Mounting
WDGE2 LED	P0 ¹	27K 2700K	70CRI ⁴	T1S Type I Short	MVOLT	Shipped included SRM Surface mounting bracket
	P1 ²	30K 3000K	80CRI	T2M Type II Medium	347 ⁵	
	P2 ²	40K 4000K	LW ³ Limited Wavelength	T3M Type III Medium	480 ⁵	ICW Indirect Canopy/Ceiling Washer bracket (dry/damp locations only) ⁶
	P3 ²	50K 5000K		T4M Type IV Medium		
	P4 ²	AMB ³ Amber		TFTM Forward Throw Medium		

Shipped separately
AWS 3/8inch Architectural wall spacer
PBBW Surface-mounted back box (top, left, right conduit entry). Use when there is no junction box available

Options	Finish
<p>E10WH Emergency battery backup, Certified in CA Title 20 MAEDBS (10W, 5°C min)</p> <p>E20WC Emergency battery backup, Certified in CA Title 20 MAEDBS (18W, -20°C min)</p> <p>PE⁷ Photocell, Button Type</p> <p>DMG⁸ 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately)</p> <p>BCE Bottom conduit entry for back box (PBBW). Total of 4 entry points.</p> <p>CC Coastal Construction</p>	<p>DDBXD Dark bronze</p> <p>DBLXD Black</p> <p>DNAXD Natural aluminum</p> <p>DWHXD White</p> <p>DSSXD Sandstone</p> <p>DDBTXD Textured dark bronze</p> <p>DBLTXD Textured black</p> <p>DNATXD Textured natural aluminum</p> <p>DWHGXD Textured white</p> <p>DSSTXD Textured sandstone</p>
<p>Standalone Sensors/Controls</p> <p>PIR Bi-level (100/35%) motion sensor for 8-15' mounting heights. Intended for use on switched circuits with external dusk to dawn switching.</p> <p>PIRH Bi-level (100/35%) motion sensor for 15-30' mounting heights. Intended for use on switched circuits with external dusk to dawn switching.</p> <p>PIR1FC3V Bi-level (100/35%) motion sensor for 8-15' mounting heights with photocell pre-programmed for dusk to dawn operation.</p> <p>PIRH1FC3V Bi-level (100/35%) motion sensor for 15-30' mounting heights with photocell pre-programmed for dusk to dawn operation.</p> <p>Networked Sensors/Controls</p> <p>NLTAIR2 PIR Embedded wireless controls by nLight with Passive Infrared Occ sensor and on/off photocell for 8-15' mounting heights.</p> <p>NLTAIR2 PIRH Embedded wireless controls by nLight with Passive Infrared Occ sensor and on/off photocell for 15-30' mounting heights.</p> <p>NLTAIREM2 Embedded wireless controls by nLight with UL924 listed emergency operation, Passive Infrared Occ sensor and on/off photocell for 15-30' mounting heights</p> <p>PIRH photocell for 15-30' mounting heights</p> <p>See page 4 for out of box functionality</p>	



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WDGE2 LED
Rev. 05/30/24



Job Name:
Homewood Suites - Madison Site Lighting

Catalog Number:
WDGE2 LED P1 XXK 80CRI TFTM
MVLDT SRM FINISH
Notes:

Type:
OW5

ELL23-123986

Accessories

Ordered and shipped separately.

- WDGEAWS DDBXD U WDGE 3/8inch Architectural Wall Spacer (specify finish)
- WDGE2PBBW DDBXD U WDGE2 surface-mounted back box (specify finish)

NOTES

- 1 P0 option not available with sensors/controls.
- 2 P1-P4 not available with AMB and LW.
- 3 AMB and LW always go together.
- 4 70CRI only available with T3M and T4M.
- 5 347V and 480V not available with E10WH or E20WC.
- 6 Not qualified for DLC. Not available with emergency battery backup or sensors/controls.
- 7 PE not available in 480V or with sensors/controls.
- 8 DMG option not available with sensors/controls.

Performance Data

Lumen Output

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

Performance Package	System Watts	Dist. Type	27K (2700K, 80 CRI)					30K (3000K, 80 CRI)					40K (4000K, 80 CRI)					50K (5000K, 80 CRI)					Amber (Limited Wavelength)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P0	7W	T1S	636	92	0	0	0	666	97	0	0	0	699	101	0	0	1	691	100	0	0	1	712	47	0	0	1
		T2M	662	96	0	0	0	693	101	0	0	0	728	106	0	0	0	719	104	0	0	0	741	48	0	0	0
		T3M	662	96	0	0	0	693	101	0	0	0	728	106	0	0	0	719	104	0	0	0	741	48	0	0	0
		T4M	648	94	0	0	0	679	98	0	0	0	712	103	0	0	0	704	102	0	0	0	726	47	0	0	0
		TFTM	652	95	0	0	0	683	99	0	0	0	717	104	0	0	0	708	103	0	0	0	730	48	0	0	1
P1	11W	T1S	1,105	99	0	0	1	1,157	104	0	0	1	1,215	109	0	0	1	1,200	107	0	0	1					
		T2M	1,150	103	0	0	1	1,204	108	0	0	1	1,264	113	0	0	1	1,249	112	0	0	1					
		T3M	1,150	103	0	0	1	1,205	108	0	0	1	1,265	113	0	0	1	1,250	112	0	0	1					
		T4M	1,126	101	0	0	1	1,179	106	0	0	1	1,238	111	0	0	1	1,223	110	0	0	1					
		TFTM	1,133	101	0	0	1	1,186	106	0	0	1	1,245	112	0	0	1	1,230	110	0	0	1					
P2	19W	T1S	1,801	95	1	0	1	1,886	99	1	0	1	1,981	104	1	0	1	1,957	103	1	0	1					
		T2M	1,875	99	1	0	1	1,963	103	1	0	1	2,061	109	1	0	1	2,037	107	1	0	1					
		T3M	1,876	99	1	0	1	1,964	103	1	0	1	2,062	109	1	0	1	2,038	107	1	0	1					
		T4M	1,836	97	1	0	1	1,922	101	1	0	1	2,018	106	1	0	1	1,994	105	1	0	1					
		TFTM	1,847	97	1	0	1	1,934	102	1	0	1	2,030	107	1	0	1	2,006	106	1	0	1					
P3	32W	T1S	2,809	87	1	0	1	2,942	92	1	0	1	3,089	96	1	0	1	3,052	95	1	0	1					
		T2M	2,924	91	1	0	1	3,062	95	1	0	1	3,215	100	1	0	1	3,176	99	1	0	1					
		T3M	2,925	91	1	0	1	3,063	95	1	0	1	3,216	100	1	0	1	3,177	99	1	0	1					
		T4M	2,862	89	1	0	1	2,997	93	1	0	1	3,147	98	1	0	1	3,110	97	1	0	1					
		TFTM	2,880	90	1	0	1	3,015	94	1	0	1	3,166	99	1	0	1	3,128	97	1	0	1					
P4	47W	T1S	3,729	80	1	0	1	3,904	84	1	0	1	4,099	88	1	0	1	4,051	87	1	0	1					
		T2M	3,881	83	1	0	1	4,063	87	1	0	1	4,267	91	1	0	1	4,216	90	1	0	1					
		T3M	3,882	83	1	0	1	4,065	87	1	0	1	4,268	91	1	0	1	4,217	90	1	0	1					
		T4M	3,799	81	1	0	1	3,978	85	1	0	1	4,177	90	1	0	1	4,127	88	1	0	1					
		TFTM	3,822	82	1	0	1	4,002	86	1	0	1	4,202	90	1	0	1	4,152	89	1	0	1					

Performance Package	System Watts	Dist. Type	27K (2700K, 70 CRI)					30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P0	7W	T3M	737	107	0	0	0	763	111	0	0	0	822	119	0	0	0	832	121	0	0	1
		T4M	721	105	0	0	0	746	108	0	0	0	804	117	0	0	1	814	118	0	0	1
P1	11W	T3M	1,280	115	0	0	1	1,325	119	0	0	1	1,427	128	1	0	1	1,445	129	1	0	1
		T4M	1,253	112	0	0	1	1,297	116	0	0	1	1,397	125	0	0	1	1,415	127	0	0	1
P2	19W	T3M	2,087	110	1	0	1	2,160	114	1	0	1	2,327	123	1	0	1	2,357	124	1	0	1
		T4M	2,042	108	1	0	1	2,114	111	1	0	1	2,278	120	1	0	1	2,306	121	1	0	1
P3	32W	T3M	3,254	101	1	0	1	3,369	105	1	0	1	3,629	113	1	0	1	3,675	114	1	0	1
		T4M	3,185	99	1	0	1	3,297	103	1	0	1	3,552	111	1	0	1	3,597	112	1	0	1
P4	47W	T3M	4,319	93	1	0	1	4,471	96	1	0	1	4,817	103	1	0	2	4,878	105	1	0	2
		T4M	4,227	91	1	0	1	4,376	94	1	0	2	4,714	101	1	0	2	4,774	102	1	0	2



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WDGE2 LED
Rev. 05/30/24



Electrical Load

Performance Package	System Watts	Current (A)					
		120Vac	208Vac	240Vac	277Vac	347Vac	480Vac
P0	7.0	0.061	0.042	0.04	0.039	--	--
	9.0	--	--	--	--	0.031	0.021
P1	11.0	0.100	0.064	0.059	0.054	--	--
	14.1	--	--	--	--	0.046	0.031
P2	19.0	0.168	0.106	0.095	0.083	--	--
	22.8	--	--	--	--	0.067	0.050
P3	32.0	0.284	0.163	0.144	0.131	--	--
	37.1	--	--	--	--	0.107	0.079
P4	47.0	0.412	0.234	0.207	0.185	--	--
	53.5	--	--	--	--	0.153	0.112

Lumen Output in Emergency Mode (4000K, 80 CRI, T3M)

Option	Lumens
E10WH	1,358
E20WC	2,230

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.03
10°C	50°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.97

Projected LED Lumen Maintenance

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

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

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.96	>0.93	>0.87

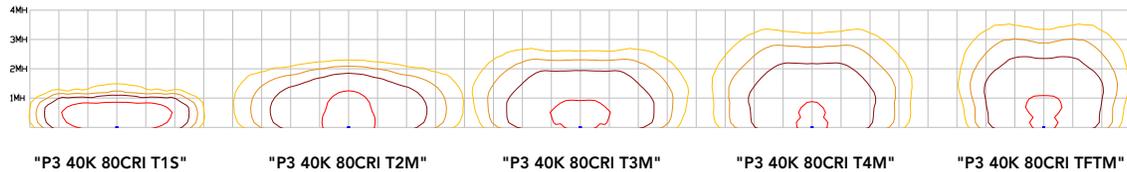
Photometric Diagrams

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

LEGEND

- 0.25 fc
- 0.5 fc
- 1.0 fc
- 3.0 fc

MH = 10ft
Grid = 10ft x 10ft



Emergency Egress Options

Emergency Battery Backup

The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency battery backup configurations include an independent secondary driver with an integral relay to immediately detect loss of normal power and automatically energize the luminaire. The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time normal power is lost and maintain a minimum of 60% of the light output at the end of 90minutes.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9





Control / Sensor Options

Motion/Ambient Sensor (PIR, PIRH)

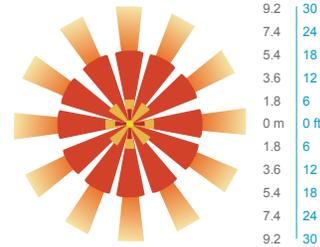
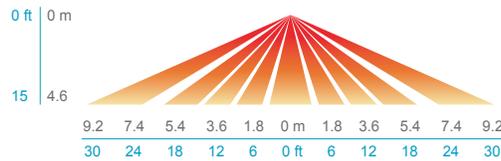
Motion/Ambient sensor (Sensor Switch MSOD) is integrated into the the luminaire. The sensor provides both Motion and Daylight based dimming of the luminaire. For motion detection, the sensor utilizes 100% Digital Passive Infrared (PIR) technology that is tuned for walking size motion while preventing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

Networked Control (NLTAIR2)

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

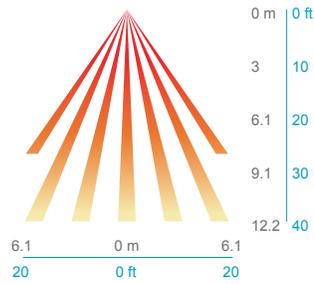
PIR

HIGH VIEW

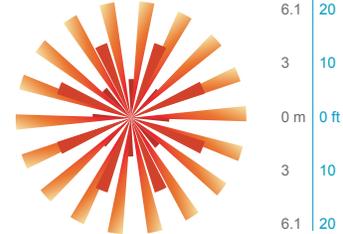


PIRH

SIDE VIEW



TOP VIEW



Option	Dim Level	High Level (when triggered)	Photocell Operation	Motion Time Delay	Ramp-down Time	Ramp-up Time
PIR or PIRH	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
PIR1FC3V, PIRH1FC3V	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 1fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
NLTAIR2 PIR, NLTAIR2 PIRH (out of box)	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	7.5 min	5 min	Motion - 3 sec Photocell - 45 sec



Mounting, Options & Accessories



Motion/Ambient Sensor

D = 7"
 H = 9" (Standalone controls)
 11" (nLight AIR controls, 2" antenna will be pointing down behind the sensor)
 W = 11.5"



PBBW – Surface-Mounted Back Box

Use when there is no junction box available.

D = 1.75"
 H = 9"
 W = 11.5"



AWS – 3/8inch Architectural Wall Spacer

D = 0.38"
 H = 4.4"
 W = 7.5"

FEATURES & SPECIFICATIONS

INTENDED USE

Common architectural look, with clean rectilinear shape, of the WDGE LED was designed to blend with any type of construction, whether it be tilt-up, frame or brick. Applications include commercial offices, warehouses, hospitals, schools, malls, restaurants, and other commercial buildings.

CONSTRUCTION

The single-piece die-cast aluminum housing integrates secondary heat sinks to optimize thermal transfer from the internal light engine heat sinks and promote long life. The driver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP66 rating for the luminaire.

FINISH

Exterior painted parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

OPTICS

Individually formed acrylic lenses are engineered for superior application efficiency which maximizes the light in the areas where it is most needed. The WDGE LED 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 consists of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L91/100,000 hours at 25°C). The electronic driver has a power factor of >90%, THD <20%. Luminaire comes with built in 6kV surge protection, which meets a minimum Category C low exposure (per ANSI/IEEE C62.41.2). Fixture ships standard with 0-10v dimmable driver.

INSTALLATION

A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections. The 3/8" Architectural Wall Spacer (AWS) can be used to create a floating appearance or to accommodate small imperfections in the wall surface. The ICW option can be used to mount the luminaire inverted for indirect lighting in dry and damp locations. Design can withstand up to a 1.5 G vibration load rating per ANSI C136.31.

LISTINGS

CSA certified to U.S. and Canadian standards. Luminaire is IP66 rated. PIR options are rated for wet location. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL 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 2700K and 3000K color temperature only and SRM mounting only.

GOVERNMENT PROCUREMENT

BABA – Build America Buy America: Product 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.

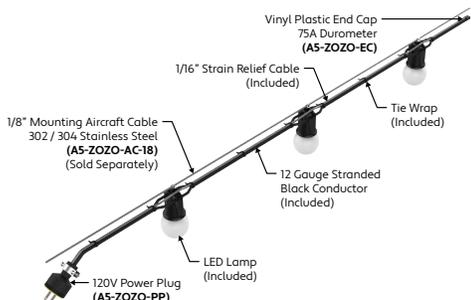
WARRANTY

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.



ALUZ



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

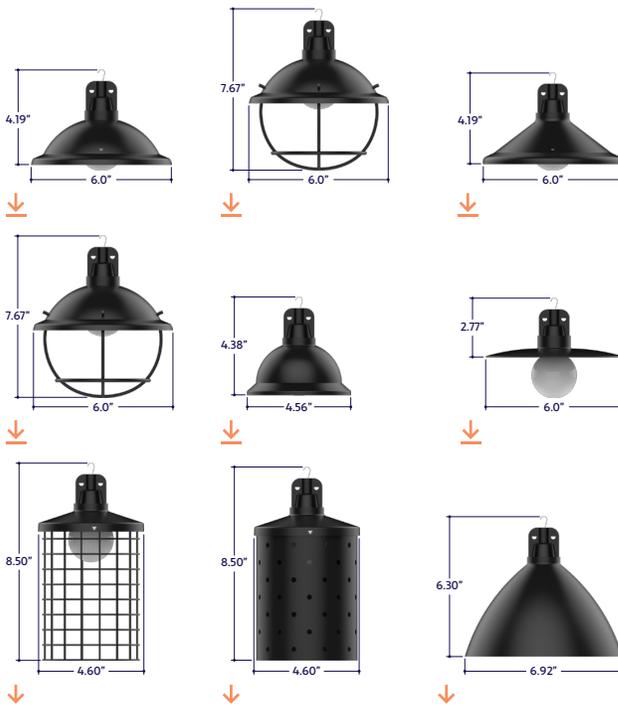
TYPE



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

128FT

Series	Spacing	Lamp	Dimming	Listing	Luminaire Length
XXK-GSFL = Specify					
Standard (No Canopy) (A5-ZOZO-STN)	Bell Canopy (A5-ZOZO-BLL)	12" on Center (12")	Forward Phase (DM)	Indoor (DRY)	Specify Length in Feet Example: 100'
		18" on Center (18")			
Round Canopy (A5-ZOZO-RND)	Flat Canopy (A5-ZOZO-FLT)	24" on Center (24")	Leave Blank for Non-Dimming	Outdoor (WET)	
		36" on Center (36")			
Round Canopy with Cage (A5-ZOZO-RNC)	Mesh Canopy (A5-ZOZO-MSH)	48" on Center (48")			
		60" on Center (60")			
Cone Canopy (A5-ZOZO-CON)	Barrel Canopy (A5-ZOZO-BRL)	2400K, G-Shape Filament (24K-GSFL)			
		2700K, G-Shape Filament (27K-GSFL)			
Cone Canopy with Cage (A5-ZOZO-COC)	Hat Canopy (A5-ZOZO-HAT)	3000K, G-Shape Filament (30K-GSFL)			
		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:
Homewood Suites - Madison Site Lighting

Catalog Number:

A5-ZOZO-STN-24-XXK-GSFL-DM-WET-128FT / A5-ZOZO-PP / A5-ZOZO-EC / A5-ZOZO-AC-18"-128FT / A5-ZOZO-CL-18"

Notes:

Type:

S1-128

ELL23-123986

ALUZ

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

TYPE

LAMP OPTIONS

Lamp Image & Dimensions



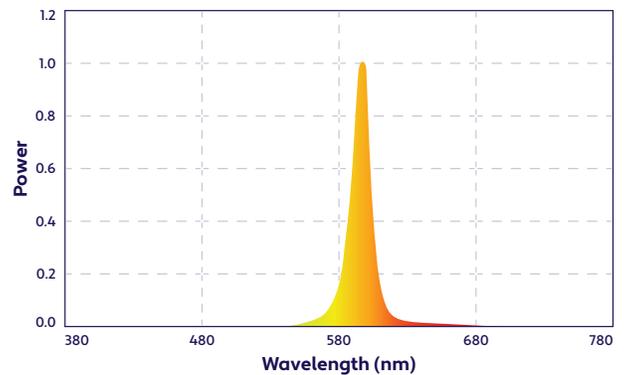
Lamp Name & Product Code	G-Shaped Lamp (GSF)	G-Shaped Filament Lamp (GSFL)	S-Shaped Lamp (SSF)	S-Shaped Clear Lamp (SSC)
Lamp Type	Standard LED	Filament LED	Standard LED	Standard LED
Material	Polymer Plastic	Glass	Polymer Plastic	Polymer Plastic
Lamp Life	20,000 hrs.	25,000 hrs.	20,000 hrs.	20,000 hrs.
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. +/- 0.25W 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-	128FT	

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.



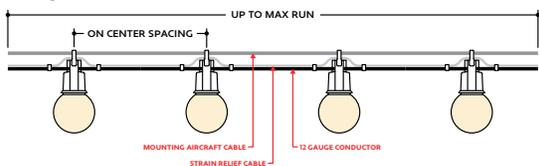
ALUZ

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

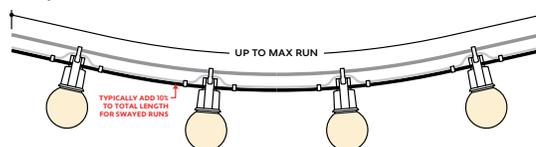
TYPE

DESIGN GUIDELINES

Straight Run

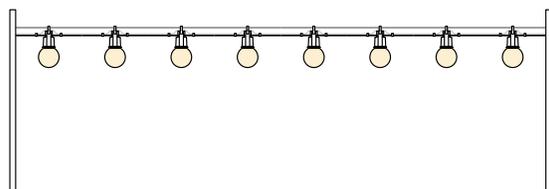


Swayed Run

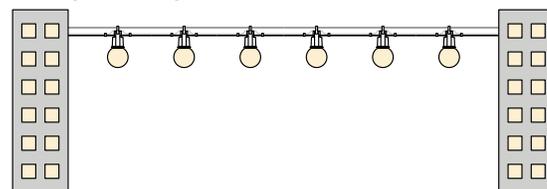


INSTALLATION OPTIONS

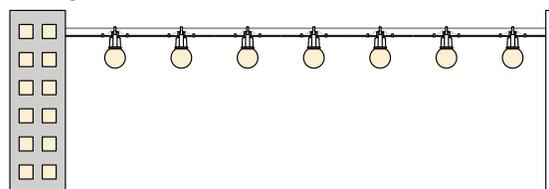
Pole to Pole



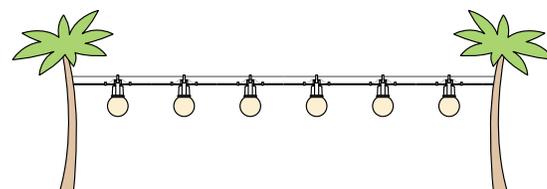
Building to Building



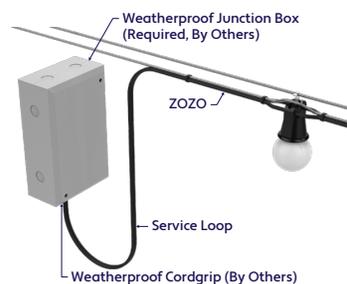
Building to Pole



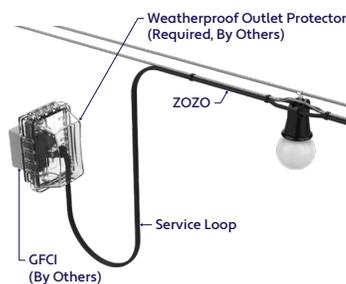
Tree to Tree



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

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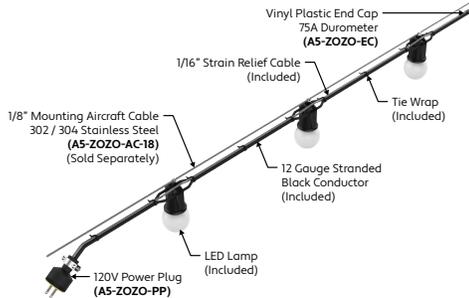
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ALUZ



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

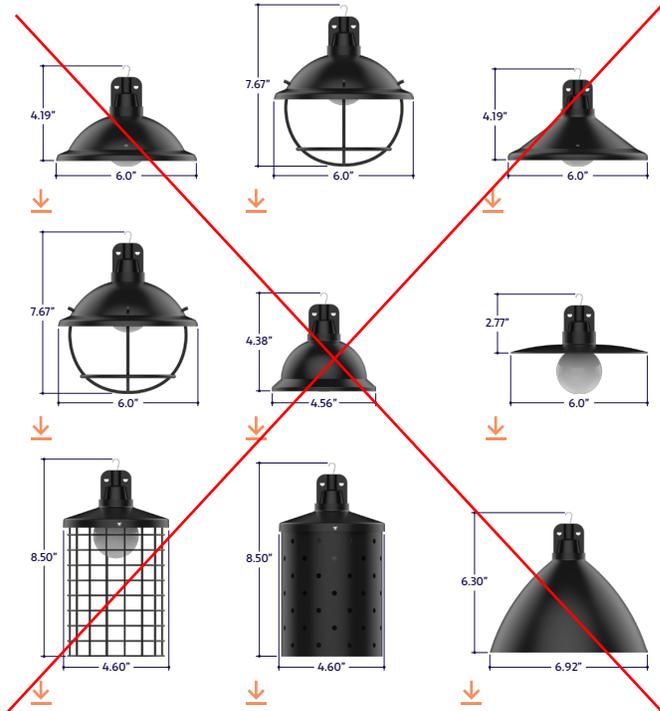
TYPE



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

75FT

Series	Spacing	Lamp	Dimming	Listing	Luminaire Length
XXK-GSFL = Specify					
Standard (No Canopy) (A5-ZOZO-STN)	Bell Canopy (A5-ZOZO-BLL)	12" on Center (12")	2700K, G-Shape (27K-GSF)	5000K, G-Shape Filament (50K-GSFL)	Forward Phase (DM)
		18" on Center (18")	5000K, G-Shape (50K-GSF)	2700K, S-Shape Frosted (27K-SSF)	
Round Canopy (A5-ZOZO-RND)	Flat Canopy (A5-ZOZO-FLT)	24" on Center (24")	Red, G-Shape (R-GSF)	5000K, S-Shape Frosted (50K-SSF)	Leave Blank for Non-Dimming
		36" on Center (36")	Green, G-Shape (G-GSF)	Orange, S-Shape Frosted (OR-SSF)	
Round Canopy with Cage (A5-ZOZO-RNC)	Mesh Canopy (A5-ZOZO-MSH)	48" on Center (48")	Blue, G-Shape (B-GSF)	2700K, S-Shape Clear (27K-SSC)	Outdoor (WET)
		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)	
			2700K, G-Shape Filament (27K-GSFL)	Green, S-Shape Clear (G-SSC)	
Cone Canopy with Cage (A5-ZOZO-COC)	Hat Canopy (A5-ZOZO-HAT)		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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ALUZ

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

TYPE

LAMP OPTIONS

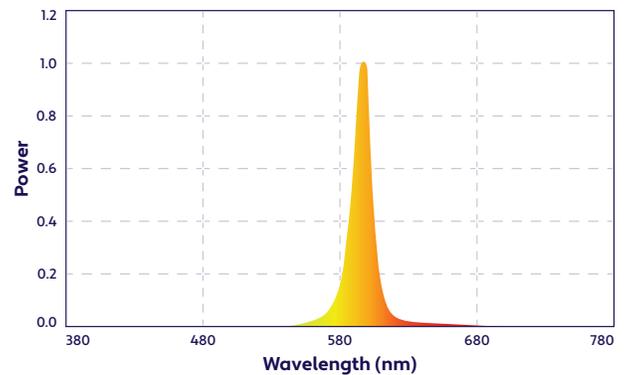
Lamp Image & Dimensions				
Lamp Name & Product Code	G-Shaped Lamp (GSF)	G-Shaped Filament Lamp (GSFL)	S-Shaped Lamp (SSF)	S-Shaped Clear Lamp (SSC)
Lamp Type	Standard LED	Filament LED	Standard LED	Standard LED
Material	Polymer Plastic	Glass	Polymer Plastic	Polymer Plastic
Lamp Life	20,000 hrs.	25,000 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. +/- 0.25W 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-	75FT	

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.



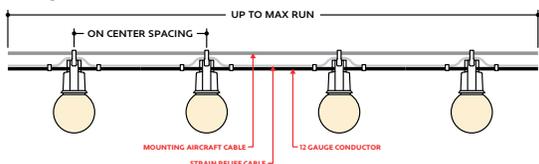
ALUZ

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

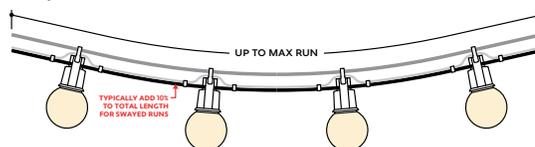
TYPE

DESIGN GUIDELINES

Straight Run

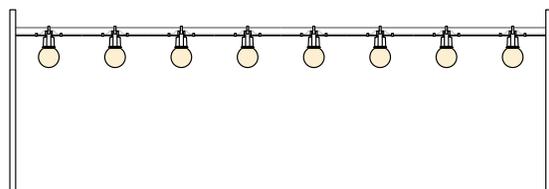


Swayed Run

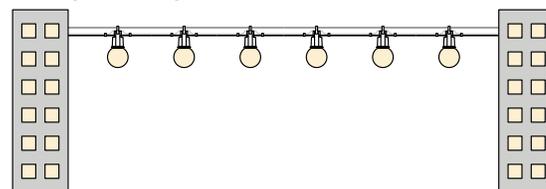


INSTALLATION OPTIONS

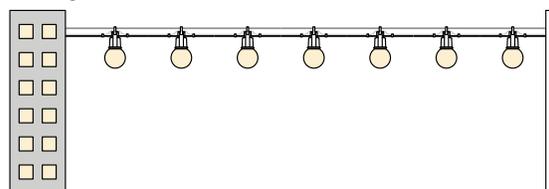
Pole to Pole



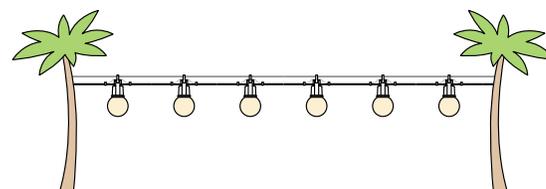
Building to Building



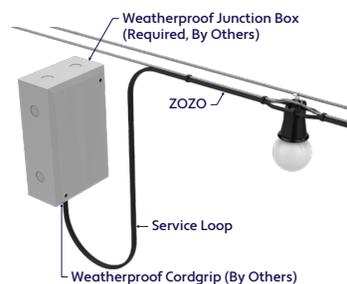
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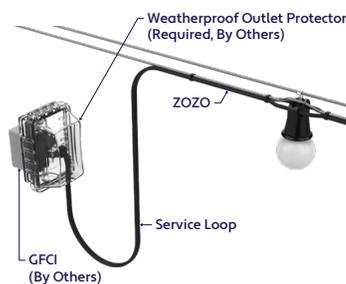
Tree to Tree



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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