RATIO Area/Site Roadway



Timeless design with multiple optical configurations and easy installation features

- Applications include: area/site, roadway, and security lighting
- Replaces up to 750w HID
- Universal mounting block optional; Mast arm fitter option available for 2 3/8" OD arms (if ordering with poles, select B3 drill pattern)
- Lens distributions are field rotatable (in 90° increments) or exchangeable for job site fine tuning
- -40°C to 40°C ambient operation
- · Compact and lightweight design with low EPA

- 10KA surge protection standard; Automatically takes fixture off-line for protection when device is consumed
- 7-pin photocontrol receptacle option available for twist lock photocontrols or wireless control module (control accessories sold separately)
- Utilizes low current, high efficacy LEDs
- ANSI 3G rated for high vibration applications
- Listed to UL1598 for use in wet locations
- IP65 optical assembly

STOCK

AREA/SITE ROADWAY

Catalog Number	Lumens	Wattage	LED Count	CCT/CRI	Voltage	Distribution	Mounting	Finish
RAR1-100-4K-3	12,000	100W	160L	4000K/70CRI	120-277V	Type 4W	Square Arm	Bronze
RAR1-100-4K-4W	12,000	100W	160L	4000K/70CRI	120-277V	Type 4W	Square Arm	Bronze
RAR2-140-4K-3	18,000	140W	320L	4000K/70CRI	120-277V	Type 4W	Square Arm	Bronze
RAR2-140-4K-4W	18,000	140W	320L	4000K/70CRI	120-277V	Type 4W	Square Arm	Bronze
RAR2-165-4K-3	21,000	165W	320L	4000K/70CRI	120-277V	Type 4W	Square Arm	Bronze
RAR2-165-4K-4W	21,000	165W	320L	4000K/70CRI	120-277V	Type 4W	Square Arm	Bronze

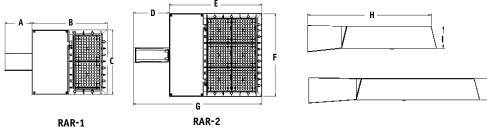
ACCESSORIES

Catalog Number	Description
RARRPA3DB	RAR Round Pole Adapter 3.5" TO 4.13"
RARA3UDB	Universal Mount for square pole or round pole 3.5" TO 4.13"

EQUIVALENCY INFORMATION

	Equiva	alency	Energy
Series Number	МН	HPS	Savings
RAR1-80L	175W	150W	76%
RAR1-160L	250W	250W	69%
RAR2-320L	400W	400W	71%
RAR2-480L	750W	750W	72%

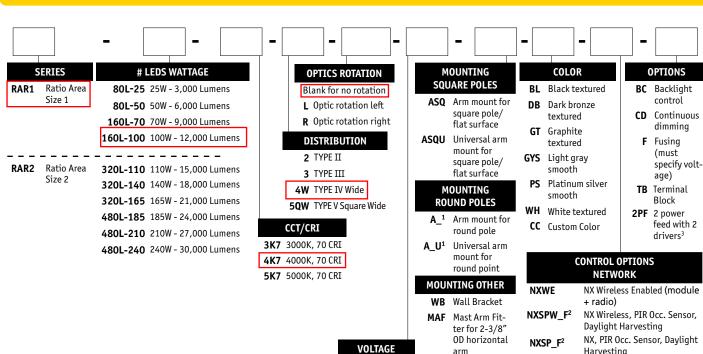
DIMENSIONS



A	В	С	D	E	F	G	Н	I	RAR-1 EPA@0°	RAR-2 EPA@0°	RAR-1 EPA@30°	RAR-2 EPA@30°
5.0"	14.0"	12.0"	7.5"	19.5"	17.39"	27.0"	18.2"	3.25"	.45 ft. ²	.55 ft. ²	.56 ft. ²	1.48 ft. ²
127mm	355.6mm	304.8mm	190.5mm	495.3mm	441.7mm	685.8mm	462.8mm	82.5mm	.13 m ²	.17 m ²	.17 m ²	.45 m ²
												Weight

HUBBELL Outdoor Lighting **RAR-1** 13.5 lbs (6.12 kgs) **RAR-2** 24.0 lbs (10.8 kgs)

^{*} Available Summer 2018



UNV Universal

347 347V

480 480V

120-277V

- 1 Replace "_" with "3" for 3.5"-4.13" OD pole, "4" for 4.18"-5.25" OD pole, "5" for 5.5"-6.5" OD pole
- Replace "__" with "14" for up to 14' mounting height, "30F" for 15-30' mounting height
- 3 Not available with 80 LED versions
- 4 At least one SCPREMOTE required to program SCP motion sensor

arm

K Knuckle

NXSP_F2 Harvesting

CONTROL OPTIONS OTHER

SCP-40F4 Programmable Occupancy

Sensor

7-Pin Twist Lock Receptacle 7PR 7 pin receptiacle with 7PR-SC

shorting cap

7PR-MD40F Low voltage sensor for 7PR 7 pin PCR with photo control 7PR-TL

MADE TO ORDER ACCESSORIES - Order Separately

Catalog Number	Description			
RAR-ASQU-XX	Universal Am mount for square pole / flat surface			
RAR-A_U-XX	Universal arm mount for round poles			
RAR-RPAXX	Round pole adapter			
TPLBARA3	Twin Parallel Luminaire Bracket			
SETAVP	4" square pole top tenon adapter, 2 3/8" OD slipfitter			
RETAVP	4" Round pole top tenon adapter; 2 3/8" OD slipfitter for max.			
	four fixtures (90°); Order 4" round pole adapters separately			
TETAVP	Three-sided pole top tenon adapter, 2 3/8" OD slipfitter			
SPIKE	Bird Deterrent			
RARWB-XX	Wall Bracket - use with Mast Arm Fitter or Knuckle			

Replace "XX" with "BL" for Black, "DB" for Dark Bronze, "GT" for Graphite, "GYS" for Gray Smooth, "PS for Platinum Silver, "WH for White

Replace "_" with "3" for 3.5"-4.13" OD pole, "4" for 4.18"-5.25" OD pole, "5" for 5.5"-6.5" OD pole

CONTROLS ACCESSORIES - Order Separately

Catalog Number	Description
SW7PR	SiteSync on fixture module via 7PR
SWUSB	SiteSync Software on USB
SWTAB	SiteSync Windows Tablet
SWBRG	SiteSync Wireless Bridge Node
SWFC	SiteSync Field Commission Serv
SCPREMOTE	Order at least one per project location to program and control
WIR-RME-L	wiSCAPE external control node; use with 7PR
NXOFM-1R1D-UNV	NX external control node; use with 7PR

MOUNTING



Arm Mount – Fixture ships with integral arm for ease of installation. Compatible with Hubbell Outdoor B3 drill pattern.



MAF - Fits 2-3/8" OD arms Roadway applications.

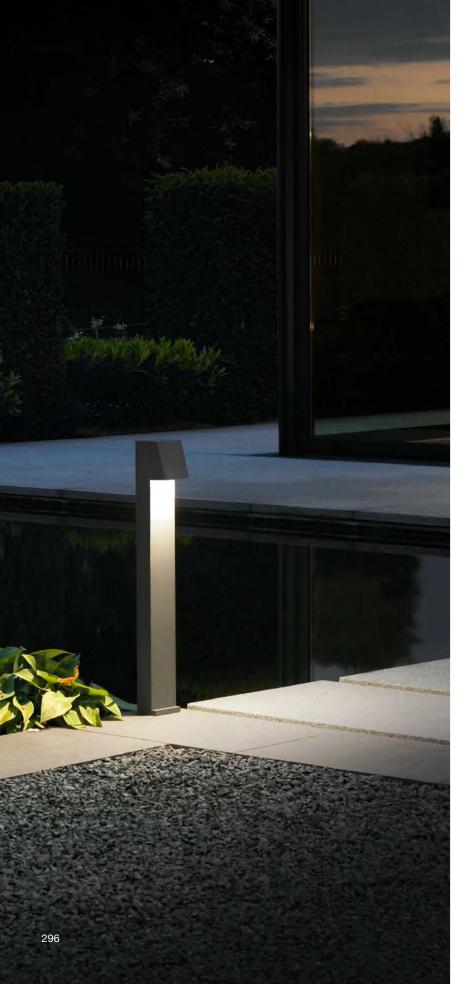


Knuckle - Knuckle mount 15° aiming angle increments for precise aiming and control, fits 2-3/8" tenons or pipes.



Wall Mount - Wall mount bracket designed for building mount applications.











irect burial

rial Hardsca

Garden bollards

with shielded, directed light

A series of pathway luminaires with shielded, directed light for use in the private sector. These luminaires are ideally suited for gardens, entryways, and for many applications on paths and terraces. Anchorage units are available for direct burial in concrete or soil, or with a hardscape base for installation on foundations or paved surfaces.

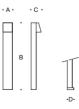
Die cast and extruded aluminum · Clear safety glass Reflector made of pure anodized aluminum · Galvanized steel anchorage

LED color temperatures: 2700 K, 3000 K, 3500 K, 4000 K

BEGA luminaires offer a minimum service life of 60,000 hours, with suitable LED replacement modules guaranteed for up to 20 years after date of purchase. Further LED technical data including luminous flux, CRI, dimming and electrical characteristics are provided on the individual luminaire specification sheets, available at www.bega-us.com

All BEGA standard finishes are matte, textured powder coat with minimum 3 mil thickness. BEGA Unidure [®] finish, a fluoropolymer technology, provides superior fade protection in Black, Bronze, and Silver. BEGA standard White, as well as optionally available RAL and custom colors, are a polyester powder.

NRTL listed to North American standards \cdot Suitable for wet locations Protection class IP 65



Garder	bollards					
		LED	Α	В	С	D
	with direct burial anchorage with hardscape base	3.6 W 3.6 W	- , -	27	. , -	









Asymmetric wide spread light distribution

Recessed wall luminaires

Asymmetric or asymmetric wide spread distribution

For decades, BEGA has set the standard for recessed wall luminaires worldwide. Newly redesigned with a refined look, broader range of delivered lumens, and contractor friendly enhancements for ease of installation and quality assurance, BEGA's unwavering commitment to quality above all permeates everything about this new approach to recessed wall luminaires.

Recessed wall luminaires with asymmetric or asymmetric wide spread light distribution. The asymmetric distribution provides light in a forward orientation and is suitable for lighting ground surfaces, building entrances, and stairways. The asymmetric wide spread light distribution is ideally suited for illuminating corridors and pathways. Separate installation housing allows for seamless coordination into construction and easy maintenance.

Die-cast aluminum housing and faceplate \cdot Composite installation housing Safety glass with optical texture

LED color temperatures: 2700 K, 3000 K, 3500 K, 4000 K

BEGA luminaires offer a minimum service life of 60,000 hours, with suitable LED replacement modules guaranteed for up to 20 years after date of purchase. Further LED technical data including luminous flux, CRI, dimming and electrical characteristics are provided on the individual luminaire specification sheets, available at www.bega-us.com

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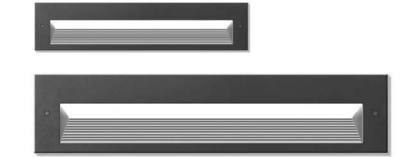
NRTL listed to North American standards \cdot Suitable for wet locations Protection class IP 65

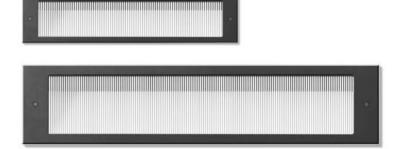


Asymmetric							
	LED	Α	В	С			
33 053 33 054	4.1 W 5.9 W	6 5/8 10 1/8	23/4	5 5			
3 055	8.4 W	121/2		5			
33 058 33 059	12.3 W 16.4 W	13 16 ½	4 ⁷ / ₈ 4 ⁷ / ₈	5 ½ 5 ½			
3 060	20.5 W	20 1/2	4 7/8	5 1/2			



Asymmetric wide spread					
	LED	Α	В	С	
33 023	4.0 W	0,0	2 ³ / ₄	5	
33 046	5.9 W		2 ³ / ₄	5	
33 049	7.8 W		2 ³ / ₄	5	
33 062	12.3 W	13	. , -	5 ½	
33 067	16.4 W	16½		5 ½	
33 098	20.5 W	20½		5 ½	







FEATURES

- Direct distribution from a single row of high efficiency LED boards
- Polyester powder coat finish In choices of white, black, silver, or RAL colors
- Standard 0-10V, 1% dimming drivers
- L9O greater than 36,000 hours

FIXTURE TYPE:

LENGTH:

- Construction: Welded extruded aluminum housing with internal components made from die formed cold rolled steel.
- · cETLus Listed, Damp Location rated



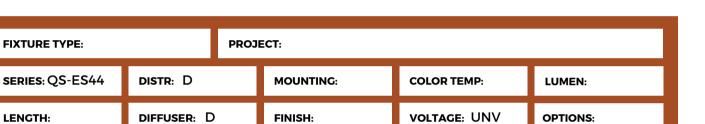












1. SERIES	2. DISTRIBUTION	3. MOUNTING	4. COLOR TEMPERATURE	5. LUMEN OUTPUT
QS-ES44	D - DIRECT	AC - ADJUSTABLE AIRCRAFT CABLE (48" STANDARD) S - SURFACE	35K - 3500K 40K - 4000K	055 - 550LM/FT - 3.4W/FT 110 - 1100LM/FT - 6.8W/FT
6. LENGTH	7. DIFFUSER	8. FINISH	9. VOLTAGE	10. OPTIONS
4' - AC & S MOUNTING 8' - AC & S MOUNTING SEE PAGE 2 FOR ACTUAL LENGTHS	D - DIFFUSE	WHT - WHITE POWDER COAT BLK - BLACK POWDER COAT SLV - SILVER POWDER COAT RAL - ANY RAL PAINT COLOR: 4-DIGIT RAL CODE MUST BE SPECIFIED VISIT OUR WEBSITE TO VIEW OUR RAL COLOR CHART PMCLIGHTING.COM/FINISHES	UNV - UNIVERSAL (120/277V)	NONE

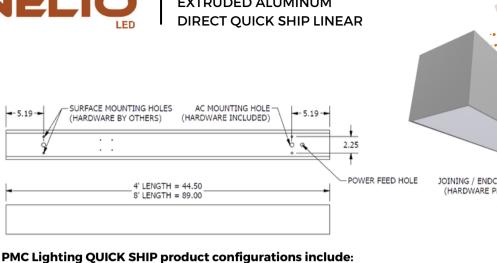


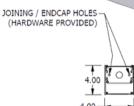












- (1) Fixture assembly per the ordering code designated.
- (1) Joining hardware kit for joining one fixture to another when combining fixtures into rows. (Not used when fixtures are individually mounted).
- (2) Endcap assemblies that allow each fixture to be configured as Individually mounted, or in a Beginning or End of row position when combining fixtures into rows. See page 3 for more information on Endcap use.
- (1) Fixture to fixture wiring quick connect male-female connections. (Note At Power Feed locations, cut the connector off the internal fixture wire harness and splice in power feed wires.)

When designated as Aircraft Cable Mounted:

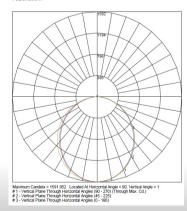
- (1) Power-Feed 48" Adjustable Length AC kit w/ 18awg 5 conductor cord for power and dimming control.
- (1) Non-Power Feed 48" Adjustable Length AC kit

(Notes - AC kits provided with white canopies and white power cords. Individual and Beginning of Row mounted fixtures use both AC kits. Intermediate and End of Row mounted fixtures use just the Non-Power Feed kit.)

When designated as Surface Mounted:

All hardware required for surface mounting fixtures is "by others" and must be selected based on the surface material the fixture is being mounted against. Hardware must support the entire fixture weight.

IES INDOOR REPORT PHOTOMETRIC FILENAME : ES44-D-1450LM_FT-DIFFUSE.IES



CHARACTERISTICS

Lumens Per Lamp	4452 (1 lamp)
Total Lamp Lumens	4452
Luminaire Lumens	4454
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	109
Total Luminaire Watts	40.77
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.20
Spacing Criterion (Diagonal)	1.34
Basic Luminous Shape	Unknown
Luminous Length (0-180)	0.00 m
Luminous Width (90-270)	0.09 m
Luminous Height	0.00 m

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	%Fixt
0-20	575.63	12.90	12.90
0-30	1210.38	27.20	27.20
0-40	1960.1	44.00	44.00
0-60	3408.4	76.60	76.50
0-80	4235.64	95.10	95.10
0-90	4334.71	97.40	97.30
10-90	4184.81	94.00	94.00
20-40	1384.47	31.10	31.10
20-50	2148.84	48.30	48.20
40-70	1970.76	44.30	44.20
60-80	827.23	18.60	18.60
70-80	304.78	6.80	6.80
80-90	99.07	2.20	2.20
90-110	39.38	0.90	0.90
90-120	57.42	1.30	1.30
90-130	74.22	1.70	1.70
90-150	101.82	2.30	2.30
90-180	119.58	2.70	2.70
110-180	80.20	1.80	1.80
0-180	4454.29	100.10	100.0

Total Luminaire Efficiency = 100.10%



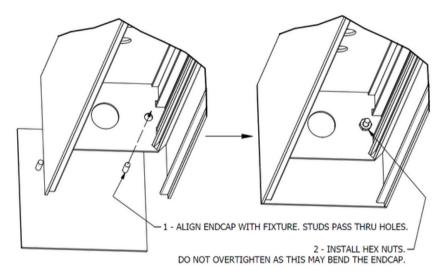




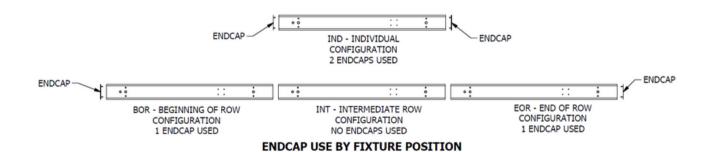








END CAP INSTALLATION - AS REQUIRED











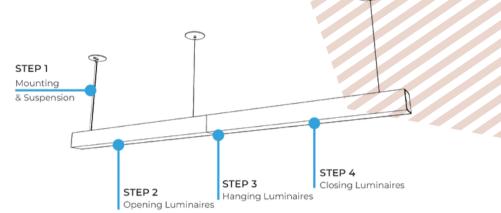
QS-ES44 **EXTRUDED ALUMINUM DIRECT OUICK SHIP LINEAR**

Luminaires must be installed by qualified electrician (check with local and national codes for proper installation).

To prevent electrical shock, disconnect electrical supply before installation or servicing.

Contractor is responsible for adequately reinforcing wall and/or ceilings to support fixture weight.

PMC Lighting, Inc. accepts no responsibility for inadequately reinforced walls and/or ceilings.



Supplied by others:

- 4" Octagonal J-Box(es);



Option 1

T-Bar Mounting with Caddy Clips

- · Install Caddy Clip and electrical conduit at feed locations
- · Install electrical conduit at feed locations
- · All caddy clips are to be secured to structure, per local building codes

Option 2

Drywall or other hard surfaces - J-Box and Anchor Bolts

- · Install J-Box and electrical conduit at feed locations
- · Install anchor bolts at mounting point locations
- · All anchor bolts are to be secured to structure, per local building codes
- ·Other hard surfaces include: wood, sheet metal panel, sheet beams, concrete, or masonry. Use hardware appropriate for each surface material type

1. Install Canopy Kit 1.1 Feed Location

Option 1:

A. Attach caddy clip to T-Bar

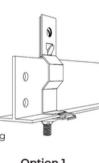
Option 2:

A. Install Crossbar assembly into J-Box

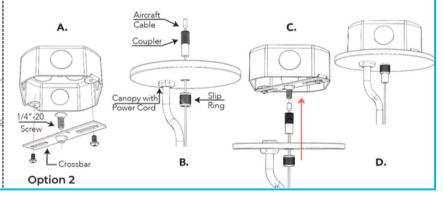
B. Thread cable through Coupler Canopy and Slip Ring

C. Screw coupler to 1/4-20 screw. Raise canopy to ceiling and secure by screwing slip ring

D. Assembled view



Option 1

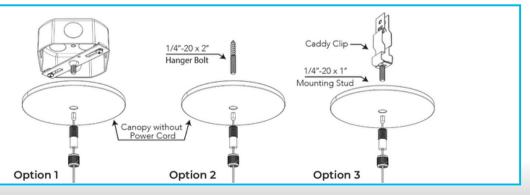


1.2 Non-Feed Location

Option 1: J-Box with Non-Feed Canopy (Same instructions as Feed Location)

Option 2: Dry Wall Ceiling Wood screw side to be attached to ceiling stud and supported by structural ceiling

Option 3: Grid Ceiling







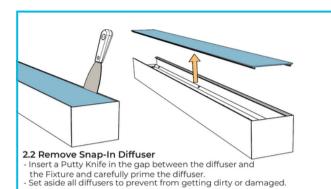






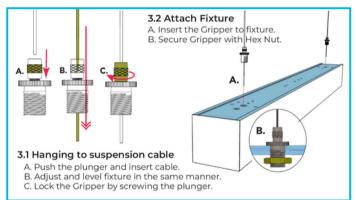
QS-ES44 EXTRUDED ALUMINUM DIRECT QUICK SHIP LINEAR

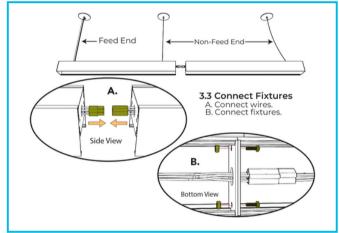


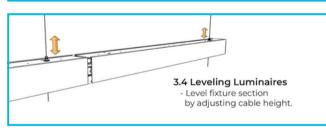


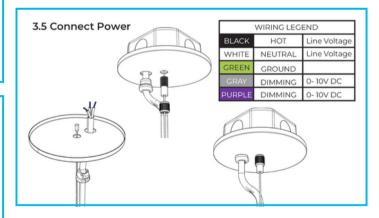


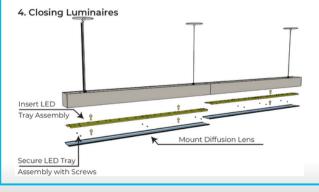
- To remove the LED Tray Assembly, locate all the screws inside the fixture.
- Using a Phillips screwdriver, remove all screws and set them aside.
- Carefully remove the LED tray assembly.





















D-Series Size 2

LED Area Luminaire











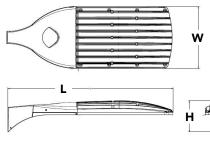


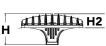
Specifications

1.1 ft² EPA: (0.10 m²) 40" Length: (101.6 cm) 15" Width: (38.1 cm) 7-1/4" Height 1: (18.4 cm)

(max):

Height 2: 3.5" Weight: 36lbs





Catalog Number Notes Туре

Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment.

The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. The Size 2 is ideal for replacing 400-1000W metal halide in area lighting applications with energy savings of up to 80% and expected service life of over 100,000 hours.

EXAMPLE: DSX2 LED P7 40K T3M MVOLT SPA NLTAIR2 PIRHN DDBXD **Ordering Information**

DSX2 LED					
Series	LEDs	Color temperature	Distribution	Voltage	Mounting
DSX2 LED	Forward optics P1 P5 ¹ P2 P6 P3 P7 ¹ P4 P8 ¹ Rotated optics P10 ² P13 ^{1,2} P11 ² P14 ^{1,2} P12 ²	30K 3000 K 40K 4000 K 50K 5000 K	T1S Type I Short (Automotive) T2S Type II Short T5S Type V Short 3 T2M Type II Medium T3S Type III Short T5W Type V Medium 3 T3S Type III Short BLC Backlight control 4 T4M Type IV Medium TFTM Forward Throw Medium	MVOLT ³ XVOLT (277V-480V) ^{6,7,8} 120 ⁹ 208 ⁹ 240 ⁹ 277 ⁹ 347 ⁹ 480 ⁹	Shipped included SPA Square pole mounting RPA Round pole mounting 10 WBA Wall bracket 3 SPUMBA Square pole universal mounting adaptor 11 RPUMBA Round pole universal mounting adaptor 11 Shipped separately KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) 10

Control o	ptions			Other	options	Finish (required)		
Shipped NLTAIR2 PIRHN PER PER5 PER7 DMG	installed In Light AIR generation 2 enabled ¹³ Network, Bi-Level motion/ambient sensor ¹⁴ NEMA twist-lock receptacle only (no controls) ¹⁵ Five-wire receptacle only (no controls) ^{15,16} Seven-wire receptacle only (no controls) ^{15,16} 0-10V dimming extend out back of housing for external control (no controls) ¹⁷ Dual switching ^{18,19}	PIRH PIRH1FC3V FAO	Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enable at 5fc ²⁰ High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc ²⁰ Field Adjustable Output ²³	HS SF DF L90 R90 HA BAA Ship	House-side shield ²² Single fuse (120, 277, 347V) ⁹ Double fuse (208, 240, 480V) ⁹ Left rotated optics ² Right rotated optics ² 50°C ambient operations ¹ Buy America(n) Act Compliant ped separately Bird spikes ²³ External glare shield	DDBXD DBLXD DWHXD DWHXD DDBTXD DBLBXD DNATXD DNATXD DWHGXD	Dark bronze Black Natural aluminum White Textured dark bronze Textured black Textured natural aluminum Textured white	



Ordering Information

Accessories

Ordered and shipped separately

DLL127F 1.5 JU Photocell - SSL twist-lock (120-277V) 24 DLL347F 1.5 CUL JU Photocell - SSL twist-lock (347V) 24 DLL480F 1.5 CUL JU Photocell - SSL twist-lock (480V) 24

DSHORT SBK U Shorting cap 2

House-side shield for 80 LFD unit 22 DSX2HS 80C U DSX2HS 90C U House-side shield for 90 LED unit 22 DSX2HS 100C U House-side shield for 100 LED unit 22 Square and round pole universal mounting bracket (specify finish) 25 PUMBA DDBXD U*

Mast arm mounting bracket adaptor (specify finish) 12 KMA8 DDBXD U

DSX2EGS (FINISH) U External glare shield

For more control options, visit DTL and ROAM online.

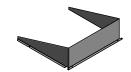
NOTES

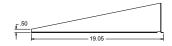
- HA not available with P5, P7, P8, P13, and P14.
- P10, P11, P12, P13 or P14 and rotated optics (L90, R90) only available together.
- Any Type 5 distribution with photocell, is not available with WBA.
- Not available with HS.
- MVOLT driver operates on any line voltage from 120-277V (50/60~Hz). XVOLT is only suitable for use with P5, P6, P7, P8, P13 and P14.
- XVOLT works with any voltage between 277V and 480V.
- XVOLT not available with fusing (SF or DF) and not available with PIRH or PIRH1FC3V. Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- 10 Suitable for mounting to round poles between 3.5" and 12" diameter.
- 11 Universal mounting bracket intended for retrofit on existing pre-drilled poles only. 1.5 G vibration load rating per ANCI C136.31. Only usable when pole's drill pattern is NOT Lithonia template #8.
- 12 Must order fixture with SPA option. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" diameter mast arm (not included).
- 13 Must be ordered with PIRHN. Sensor cover only available in dark bronze, black, white or natural aluminum color.

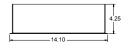
 14 Must be ordered with NLTAIR2. For more information on nLight Air 2 visit this link.
- 15 Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Not available with DS option. Shorting Cap included.
- 16 If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Node with integral dimming. 17 DMG not available with PIRHN, PER5, PER7, PIR, PIRH, PIRHC3V or PIRH1FC3V, FAO.
- 18 Requires (2) separately switched circuits with isolated neutrals.
- 19 Provides 50/50 fixture operation via (2) independent drivers. Not available with PER, PER5, PER7, PIR or PIRH. Not available with P1. P2. P10.
- 20 Reference Controls Options table settings table on page 4. Reference Motion Sensor Default table on page 4 to see functionality.
- 21 Reference controls options table on page 4.
- 22 Not available with BLC, LCCO and RCCO distribution. Also available as a separate accessories; see Accessories information.
- 23 Must be ordered with fixture for factory pre-drilling.
- 24 Requires luminaire to be specified with PER, PERS and PER7 option. Ordered and shipped as a separate line item from Acuity Brands Controls.
- 25 For retrofit use only. Only usable when pole's drill pattern is NOT Lithonia template #8.

Options

EGS - External Glare Shield

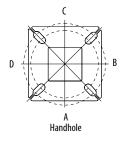


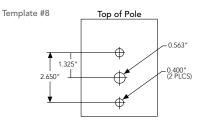




Drilling

HANDHOLE ORIENTATION





Tenon Mounting Slipfitter

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

		-		L.		**	
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

DSX2 Area Luminaire - EPA

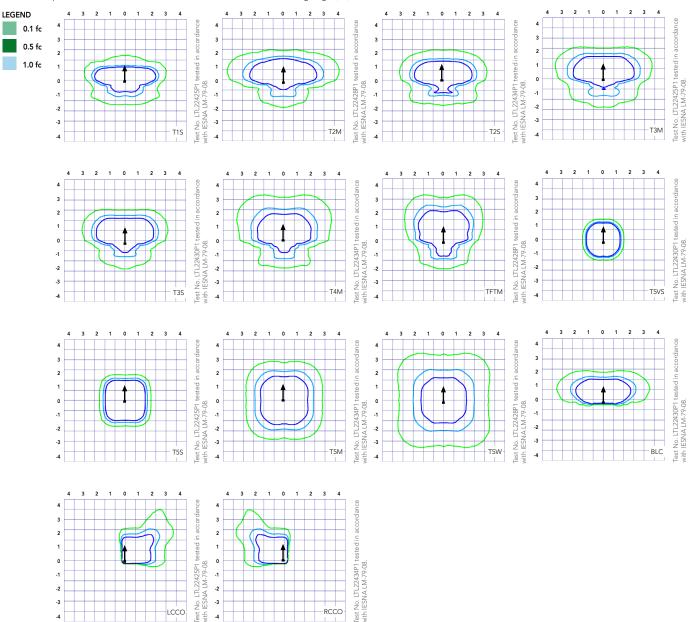
*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

Fixture Quantity & Mounting Configuration	Single DM19	2 @ 180 DM28	2 @ 90 DM29	3 @ 90 DM39	3 @ 120 DM32	4 @ 90 DM49
Mounting Type	-		₹.	<u>.</u>	*	
DSX2 LED	1.100	2.200	2.120	3.300	2.850	4.064

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



Isofootcandle plots for the DSX2 LED 80C 1000 40K. Distances are in units of mounting height (30').



Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40 $^{\circ}\text{C}$ (32-104 $^{\circ}\text{F}$).

Aml	pient	Lumen Multiplier				
0°C	32°F	1.04				
5°C	41°F	1.04				
10°C	50°F	1.03				
15°C	50°F	1.02				
20°C	68°F	1.01				
25°C	77°F	1.00				
30°C	86°F	0.99				
35℃	95°F	0.98				
40°C	104°F	0.97				

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a $\bf 25^{\circ}C$ 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	25000	50000	100000
Lumen Maintenance Factor	1.00	0.96	0.92	0.85

Electrical Load

				Current (A)						
	Performance Package	LED Count	Drive Current	Wattage	120	208	240	277	347	480
	P1	80	530	140	1.18	0.68	0.59	0.51	0.40	0.32
	P2	80	700	185	1.56	0.90	0.78	0.66	0.52	0.39
	P3	80	850	217	1.82	1.82 1.05		0.80	0.63	0.48
Forward Optics	P4	80	1050	270	2.27	1.31	1.12	0.99	0.79	0.59
(Non-Rotated)	P5	80	1250	321	2.68	1.54	1.34	1.17	0.93	0.68
	P6	100	1050	343	2.89	1.66	1.59	1.37	1.00	0.71
	P7	100	1250	398	3.31	1.91	1.66	1.45	1.16	0.81
	P8	100	1350	431	3.61	2.07	1.81	1.57	1.25	0.91
	P10	90	530	156	1.30	0.76	0.65	0.62	0.45	0.32
Rotated Optics	P11	90	700	207	1.75	1.01	0.87	0.74	0.60	0.46
(Requires L90	P12	90	850	254	2.12	1.22	1.06	0.94	0.73	0.55
or R90)	P13	90	1200	344	2.88	1.65	1.44	1.25	1.00	0.73
	P14	90	1400	405	3.39	1.95	1.71	1.48	1.18	0.86

Motion Sensor Default Settings												
Option Dimmed State High Level (when triggered) Phototcell Operation Dwell Time Ramp-up Time Ramp-down Time												
PIR or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	5 min	3 sec	5 min						
*PIR1FC3V or PIRH1FC3V	*PIR1FC3V or PIRH1FC3V 3V (37%) Output 10V (100%) Output Enabled @ 1FC 5 min 3 sec 5 min											
or use when mation sensor is used as dusk to dawn control												

		Controls Options		
Nomenclature	Description	Functionality	Primary control device	Notes
FAO	Field adjustable output device installed inside the luminaire; wired to the driver dimming leads.	Allows the luminaire to be manually dimmed, effectively trimming the light output.	FAO device	Cannot be used with other controls options that need the 0-10V leads
DS	Drivers wired independently for 50/50 luminaire operation	The luminaire is wired to two separate circuits, allowing for 50/50 operation.	Independently wired drivers	Requires two separately switched circuits. Consider nLight AIR as a more cost effective alternative.
PER5 or PER7	Compatible with standard twist-lock photoc Twist-lock photocell receptical for dusk to dawn operation, or advanced control n provide 0-10V dimming signals.		Twist-lock photocells such as DLL Elite or advanced control nodes such as ROAM.	Pins 4 & 5 to dimming leads on driver, Pins 6 & 7 are capped inside luminaire
PIR or PIRH	Motion sensors with integral photocell. PIR for 8-15' mounting; PIRH for 15-30' mounting	Luminaires dim when no occupancy is detected.	Acuity Controls SBGR	Also available with PIRH1FC3V when the sensor photocell is used for dusk-to-dawn operation.
NLTAIR2 PIRHN	nLight AIR enabled luminaire for motion sensing, photocell and wireless communication.	Motion and ambient light sensing with group response. Scheduled dimming with motion sensor over-ride when wirelessly connected to the nLight Eclypse.	nLight Air rSBGR	nLight AIR sensors can be programmed and commissioned from the ground using the CIAIRity Pro app.

Lumen Output

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

	Forward 0	ptics																																																				
No.	LED Count))																																								
150		rent	Package	Watts	Type	Lumens	_		_	LPW	Lumens	_	_		LPW	Lumens				LPW																																		
Table Tabl					T1S	17,575	3	0	3	126	18,933	3	0	3	135	19,173	3	0	3	137																																		
1500 1500					T2S	17,556	3	0	3	125	18,913	3	0	3	135	19,152	3	0	3	137																																		
S30 P1					T2M	17,647	3	0	3	126	19,010	3	0	3	136	19,251	3	0	3	138																																		
Fig.					T3S	17,090	3	0	3	122	18,411	3	0	3	132	18,644	3	0	3	133																																		
Big Sig Pi					T3M	17,604	3	0	3	126	18,964	3	0	3	135	19,204	3	0	3	137																																		
No					T4M	17,221	3	0	3	123	18,552	3	0	4	133	18,787	3	0	4	134																																		
80 700 P2 185W 18.297 4 0 1 131 19.71 4 0 1 141 19.96 4 0 1 148 155 18.517 4 0 2 131 19.727 4 0 2 141 19.96 4 0 2 148 15M 18.266 4 0 2 138 19.677 4 0 2 141 19.926 4 0 2 142 15W 18.466 5 0 3 135 19.678 5 0 3 140 19.926 4 0 2 142 16K 14.642 2 0 2 138 19.578 2 0 3 111 15.736 2 0 3 3 112 16K 15 18.517 1 0 3 77 11.62 1 0 3 111 15.736 2 0 3 3 112 16K 15 18.517 1 0 3 77 11.62 1 0 3 1 11 15.736 2 0 3 3 112 17M 12.265 3 0 0 3 77 11.62 1 0 0 3 181 17.706 2 0 0 3 3 84 17S 2.266 3 0 0 3 77 11.62 1 0 0 3 181 17.706 2 0 0 3 3 84 17S 2.266 3 0 0 3 171 16.62 1 0 0 3 111 15.736 2 0 0 3 3 84 17S 2.266 3 0 0 3 171 16.62 1 0 0 3 181 17.006 2 0 0 3 8 84 17S 2.266 3 0 0 3 171 16.62 1 0 0 3 181 17.006 2 0 0 3 8 84 17M 12.366 3 0 0 3 171 16.62 1 0 0 3 181 17.006 2 0 0 3 8 84 17M 12.386 3 0 0 3 171 16.62 1 0 0 3 181 17.006 2 0 0 3 8 11.006 2 0 0 3 8 84 17M 12.396 3 0 0 3 171 16.62 1 0 0 3 181 17.006 2 0 0 3 181 17.006 2 0 0 3 8 84 17M 12.396 3 0 0 3 171 16.62 1 0 0 3 181 17.006 2 0 0 3 181 17.006 2 0 0 3 8 84 17M 12.396 3 0 0 3 171 16.62 1 0 0 0 3 181 17.006 2 0 0 0 3 181 17.006 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	90	E20	D1	140W	TFTM	17,593	3	0	3	126	18,952	3	0	4	135	19,192	3	0	4	137																																		
Time	00	550	P1		T5VS	18,297	4	0	1	131	19,711	4	0	1	141	19,961	4	0	1	143																																		
Total					T5S	18,312	4	0	2	131	19,727	4	0	2	141	19,977	4	0	2	143																																		
BIC 14,404 2 0 2 103 15,539 2 0 3 111 15,736 2 0 3 112					T5M	18,266	4	0	2	130	19,677	4	0	2	141	19,926	4	0	2	142																																		
BO					T5W	18,146	5	0	3	130	19,548	5	0	3	140	19,796	5	0	3	141																																		
RCO					BLC	14,424	2	0	2	103	15,539	2	0	3	111	15,736	2	0	3	112																																		
80 7700 P2 185W					LCC0	10,733	1	0		77	11,562	1	0	3	83	11,709	2	0	3	84																																		
Rough Pa Pa Pa Pa Pa Pa Pa P					RCCO	10,733	1	0	3	77	11,562	1	0	3	83	11,709	2	0	3	84																																		
No. Pack P					T1S	22,305	3	0	3	121	24,029	3	0	3	130	24,333	3	0	3	132																																		
80 P700 P2 185W P2 185W P3 185					T2S	22,281	3	0		120	24,003	3	0	4	130	24,307	3	0	4	131																																		
Record Pack					T2M	22,396	3	0	3	121	24,127	3	0	3	130	24,432	3	0	3	132																																		
Package Pack					T3S	21,690	3	0	4	117	23,366	3	0	4	126	23,662	3	0	4	128																																		
80					T3M	22,342	3	0	4	121	24,068	3	0	4	130	24,373	3	0	4	132																																		
80					T4M	21,857	3	0	4	118	23,545	3	0	4	127	23,844	3	0	4	129																																		
No. State	00	700	Do.	105W	TFTM	22,328	3	0	4	121	24,054	3	0	4	130	24,358	3	0	4	132																																		
BISH P3 15M 23,182 5 0 3 125 24,974 5 0 3 135 15,290 5 0 3 137	80	/00	P2	185W	T5VS	23,222	5	0	1	126	25,016	5	0	1	135	25,333	5	0	1	137																																		
Book Pa Pa Pa Pa Pa Pa Pa P					T5S	23,241	4	0	2	126	25,037	4	0	2	135	25,354	4	0	2	137																																		
BUC					T5M	23,182	5	0	3	125	24,974	5	0	3	135	25,290	5	0	3	137																																		
BOOK COC 13,622 2 0 3 74 14,674 2 0 4 79 14,860 2 0 4 80					T5W	23,030	5	0	4	124	24,810	5	0	4	134	25,124	5	0	4	136																																		
RCCO					BLC	18,307	2	0	3	99	19,721	2	0	3	107	19,971	2	0	3	108																																		
RCO					LCC0	13,622	2	0	3	74	14,674	2	0	4	79	14,860	2	0	4	80																																		
Rough P3 P3 P4 P4 P4 P4 P4 P4					RCCO	13,622	2	0	3	74		2	0	4	79	14,860	2	0	4	80																																		
Rough P3 P3 P4 P4 P4 P4 P4 P4									T1S	26,202	3	0	3	121	28,226	3	0	3	130	28,584	3	0	3	132																														
Record Past																																							T2S	26,174	3	0	4	121		3	0	4	130	28,553	3	0	4	132
80 850 P3 217W																																	T2M	26,309	3	0	3	121		3	0	3	131	28,700	3	0	3	132						
Record R					T3S	25,479	3	0	4	117	27,448	3	0	4	126	27,795	3	0	4	128																																		
80					T3M	26,245	3	0	4	121	28,273	3	0	4	130	28,631	3	0	4	132																																		
80					T4M	25,675	3	0	4	118	27,659	3	0	4	127	28,009	3	0	4	129																																		
PA	90	950	D2	217W	TFTM	26,229	3	0	4	121	28,255	3	0	4	130	28,613	3	0	4	132																																		
T5M 27,232 5 0 3 125 29,336 5 0 3 135 29,707 5 0 3 137	00	630	rs	21/ 00	T5VS	27,279	5	0	1	126	29,387	5	0	1	135	29,759	5	0	1	137																																		
No. Pattern					T5S	27,301	4	0	2	126	29,410	5	0	2	136	29,783	5	0	2	137																																		
BIC 21,504 2 0 3 99 23,166 2 0 3 107 23,459 2 0 4 108					T5M	27,232	5	0	3	125	29,336	5	0	3	135	29,707	5	0	3	137																																		
No.					T5W	27,053	5	0	4	125	29,144	5	0	4	134	29,513	5	0	4	136																																		
RCCO					BLC	21,504	2	0	3	99	23,166	2	0	3	107	23,459	2	0	4	108																																		
RO					LCC0	16,001	2	0	4	74	17,238	2	0	4	79	17,456	2	0	4	80																																		
80 P4					RCCO	16,001	2	0	4	74	17,238	2	0	4	79	17,456	2	0	4	80																																		
80 1050 P4 270W					T1S	30,963	4	0	4	115	33,355	4	0	4	124	33,777	4	0	4	125																																		
80 P4					T2S	30,930	4	0	4	115	33,320	4	0	4	123	33,742	4	0	4	125																																		
80 P4					T2M	31,089	3	0	4	115	33,491	3	0	4	124	33,915	3	0	4	126																																		
80 P4 270W					T3S	30,108	4	0	4	112	32,435	4	0	5	120	32,845	4	0	5	122																																		
80 P4 270W TFIM 30,995 3 0 5 115 33,390 3 0 5 124 33,812 3 0 5 125 T5VS 32,235 5 0 1 119 34,726 5 0 1 129 35,166 5 0 1 130 T5S 32,261 5 0 2 119 34,754 5 0 2 129 35,194 5 0 2 130 T5M 32,180 5 0 4 119 34,667 5 0 4 128 35,105 5 0 4 130 T5W 31,969 5 0 4 118 34,439 5 0 5 128 34,875 5 0 5 128 BIC 25,412 2 0 4 94 27,376 2 0 4 101 27,722 2 0 4 103 LCCO 18,909 2 0 4 70 20,370 2 0 4 75 20,628 2 0 4 76					T3M	31,014	3	0	4	115	33,410	3	0	4	124	33,833	3	0	4	125																																		
80					T4M	30,340	3	0	5	112	32,684	3	0	5	121	33,098	3	0	5	123																																		
T5VS 32,235 5 0 1 119 34,726 5 0 1 129 35,166 5 0 1 130 T5S 32,261 5 0 2 119 34,754 5 0 2 129 35,166 5 0 2 130 T5M 32,180 5 0 4 119 34,667 5 0 4 128 35,105 5 0 4 130 T5W 31,969 5 0 4 118 34,439 5 0 5 128 34,875 5 0 5 128 BLC 25,412 2 0 4 94 27,376 2 0 4 101 27,722 2 0 4 103 LCCO 18,909 2 0 4 70 20,370 2 0 4 75 20,628 2 0 4 76	00	1050	D4	27014/	TFTM	30,995	3	0	5	115	33,390	3	0	5	124	33,812	3	0	5	125																																		
T5M 32,180 5 0 4 119 34,667 5 0 4 128 35,105 5 0 4 130 T5W 31,969 5 0 4 118 34,439 5 0 5 128 34,875 5 0 5 129 BLC 25,412 2 0 4 94 27,376 2 0 4 101 27,722 2 0 4 103 LCCO 18,909 2 0 4 70 20,370 2 0 4 75 20,628 2 0 4 76	οU	1000	r4	2/UW	T5VS		5	0	1	119	34,726	5	0	1	129	35,166	5	0	1	130																																		
T5M 32,180 5 0 4 119 34,667 5 0 4 128 35,105 5 0 4 130 T5W 31,969 5 0 4 118 34,439 5 0 5 128 34,875 5 0 5 129 BLC 25,412 2 0 4 94 27,376 2 0 4 101 27,722 2 0 4 103 LCCO 18,909 2 0 4 70 20,370 2 0 4 75 20,628 2 0 4 76					T5S		5	0	2	119		5	0	2	129			0	2																																			
T5W 31,969 5 0 4 118 34,439 5 0 5 128 34,875 5 0 5 129 BLC 25,412 2 0 4 94 27,376 2 0 4 101 27,722 2 0 4 103 LCCO 18,909 2 0 4 70 20,370 2 0 4 75 20,628 2 0 4 76								0		119								0																																				
BLC 25,412 2 0 4 94 27,376 2 0 4 101 27,722 2 0 4 103 LCCO 18,909 2 0 4 70 20,370 2 0 4 75 20,628 2 0 4 76										_			_	-						_																																		
LCCO 18,909 2 0 4 70 20,370 2 0 4 75 20,628 2 0 4 76							_	_				_						0																																				
								0		70				4				0																																				
														4																																								



Lumen Output

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

Forward O	ptics																				
LED Count	Drive Cur-	Power	System	Dist.			30K K, 70 CRI)				40K K, 70 CRI)				50K K, 70 CRI))			
	rent	Package	Watts	Туре	Lumens	В	U	G	LPW	Lumens	В	U	G	LPW	Lumens	В	U	G	LPW		
						T1S	35,193	4	0	4	110	37,912	4	0	4	118	38,392	4	0	4	120
				T2S	35,155	4	0	5	110	37,872	4	0	5	118	38,351	4	0	5	119		
				T2M	35,336	4	0	4	110	38,067	4	0	4	119	38,549	4	0	4	120		
				T3S	34,222	4	0	5	107	36,866	4	0	5	115	37,333	4	0	5	116		
				T3M	35,251	3	0	4	110	37,974	3	0	5	118	38,455	4	0	5	120		
				T4M	34,485	3	0	5	107	37,149	4	0	5	116	37,620	4	0	5	117		
80	1250	P5	321W	TFTM	35,229	3	0	5	110	37,951	3	0	5	118	38,431	3	0	5	120		
00	1250	',	32111	T5VS	36,639	5	0	1	114	39,470	5	0	1	123	39,970	5	0	1	125		
				T5S	36,669	5	0	2	114	39,502	5	0	2	123	40,002	5	0	2	125		
				T5M	36,576	5	0	4	114	39,403	5	0	4	123	39,901	5	0	4	124		
				T5W	36,336	5	0	5	113	39,144	5	0	5	122	39,640	5	0	5	123		
				BLC	28,884	3	0	4	90	31,115	3	0	4	97	31,509	3	0	4	98		
				LCC0	21,492	2	0	4	67	23,153	2	0	5	72	23,446	3	0	5	73		
				RCCO	21,492	2	0	4	67	23,153	2	0	5	72	23,446	3	0	5	73		
				T1S T2S	37,824	4	0	5	110	40,747	4	0	4	119 119	41,263	4	0	5	120		
					37,784	4	0		110	40,704	_	_	5	_	41,219		0		120		
				T2M	37,979	4	0	4	111	40,913	4	0	4	119	41,431	4	0	4	121		
				T3S	36,780	3	0	5	107 110	39,623	4	0	5	116 119	40,124	4	0	5	117		
				T3M T4M	37,886	4	0	5	108	40,814 39,927	4	0	5	116	41,331 40,433	4	0	5	120 118		
				TFTM	37,063 37,863	3	0	5	110	40,789	4	0	5	119	40,433	4	0	5	120		
100	1050	P6	343W	T5VS	39,379	5	0	1	115	40,769	5	0	1	124	42,959	5	0	1	125		
				TSS	39,411	5	0	2	115	42,422	5	0	2	124	42,939	5	0	2	125		
				T5M	39,411	5	0	4	115	42,430	5	0	4	123	42,993	5	0	4	125		
				T5W	39,053	5	0	5	114	42,349	5	0	5	123	42,603	5	0	5	123		
				BLC	31,043	3	0	4	91	33,442	3	0	4	97	33,865	3	0	4	99		
			LCCO	23,099	2	0	5	67	24,884	3	0	5	73	25,199	3	0	5	73			
				RCCO	23,099	2	0	5	67	24,884	3	0	5	73	25,199	3	0	5	73		
				T1S	42,599	4	0	4	107	45,890	4	0	4	115	46,471	4	0	4	117		
						T2S	42,553	4	0	5	107	45,842	4	0	5	115	46,422	4	0	5	117
							T2M	42,773	4	0	4	107	46,078	4	0	4	116	46,661	4	0	5
				T3S	41,423	4	0	5	104	44,624	4	0	5	112	45,189	4	0	5	114		
				T3M	42,669	4	0	5	107	45,966	4	0	5	115	46,548	4	0	5	117		
				T4M	41,742	4	0	5	105	44,967	4	0	5	113	45,537	4	0	5	114		
100	1250		20014	TFTM	42,643	4	0	5	107	45,938	4	0	5	115	46,519	4	0	5	117		
100	1250	P7	398W	T5VS	44,350	5	0	1	111	47,777	5	0	1	120	48,381	5	0	1	122		
				T5S	44,385	5	0	2	112	47,815	5	0	3	120	48,420	5	0	3	122		
				T5M	44,273	5	0	4	111	47,695	5	0	4	120	48,298	5	0	4	121		
				T5W	43,983	5	0	5	111	47,382	5	0	5	119	47,982	5	0	5	121		
				BLC	34,962	3	0	4	88	37,664	3	0	5	95	38,140	3	0	5	96		
				LCC0	26,015	3	0	5	65	28,025	3	0	5	70	28,380	3	0	5	71		
				RCCO	26,015	3	0	5	65	28,025	3	0	5	70	28,380	3	0	5	71		
				T1S	45,610	4	0	4	106	49,135	4	0	4	114	49,757	4	0	4	115		
				T2S	45,562	4	0	5	106	49,083	4	0	5	114	49,704	4	0	5	115		
				T2M	45,797	4	0	4	106	49,336	4	0	5	114	49,960	4	0	5	116		
				T3S	44,352	4	0	5	103	47,779	4	0	5	111	48,384	4	0	5	112		
				T3M	45,686	4	0	5	106	49,216	4	0	5	114	49,839	4	0	5	116		
				T4M	44,693	4	0	5	104	48,147	4	0	5	112	48,756	4	0	5	113		
100	1350	P8	448W	TFTM	45,657	4	0	5	106	49,186	4	0	5	114	49,808	4	0	5	116		
				T5VS	47,485	5	0	1	110	51,155	5	0	1	119	51,802	5	0	1	120		
				TSS	47,524	5	0	3	110	51,196	5	0	3	119	51,844	5	0	3	120		
				T5M	47,404	5	0	4	110	51,067	5	0	5	118	51,713	5	0	5	120		
				T5W	47,093	5	0	5	109	50,732	5	0	5	118	51,374	5	0	5	119		
				BLC	37,434	3	0	5	87	40,326	3	0	5	94	40,837	3	0	5	95		
				LCCO	27,854	3	0	5	65	30,006	-	0	5	70	30,386	3	0	5	71		
				RCC0	27,854	3	0	5	65	30,006	3	0	5	70	30,386	3	0	5	71		



Lumen Output

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

Rotated 0	ptics																					
	Drive Cur-	Power	System				30K					40K					50K					
LED Count	rent	Package	Watts	Dist. Type			K, 70 CRI		LDW	1	_	K, 70 CRI		LDW		_	K, 70 CRI	_	LDW			
				T1S	Lumens 20,145	B 4	0	G	129	21,702	B 4	0	G	139	Lumens 21,977	B 4	0	G 4	LPW 141			
				T2S	20,143	4	0	4	128	21,702	4	0	4	138	21,850	4	0	4	140			
				T2M	20,391	4	0	4	131	21,967	4	0	4	141	22,245	4	0	4	143			
				T3S	19,719	4	0	4	126	21,242	4	0	4	136	21,511	4	0	4	138			
				T3M	20,379	4	0	4	131	21,954	4	0	4	141	22,232	4	0	4	143			
				T4M	19,995	4	0	4	128	21,540	4	0	4	138	21,812	5	0	5	140			
90	530	P10	156W	TFTM	20,511	4	0	4	131	22,096	5	0	5	142	22,376	5	0	5	143			
90	330	FIU	13000	T5VS	20,655	4	0	1	132	22,251	4	0	1	143	22,533	4	0	1	144			
				T5S	20,482	4	0	2	131	22,064	4	0	2	141	22,343	4	0	2	143			
				T5M	20,477	5	0	3	131	22,059	5	0	3	141	22,338	5	0	3	143			
				T5W	20,293	5	0	3	130	21,861	5	0	3	140	22,138	5	0	4	142			
				BLC LCCO	16,846 12,032	2	0	3	108 77	18,148 12,961	2	0	3	116 83	18,378 13,125	2	0	3	118 84			
				RCCO	12,032	4	0	4	77	12,944	4	0	4	83	13,123	4	0	4	84			
				T1S	25,518	4	0	4	123	27,490	4	0	4	133	27,837	4	0	4	134			
				T2S	25,371	5	0	5	123	27,331	5	0	5	132	27,677	5	0	5	134			
				T2M	25,829	4	0	4	125	27,825	4	0	4	134	28,177	4	0	4	136			
				T3S	24,977	5	0	5	121	26,907	5	0	5	130	27,248	5	0	5	132			
				T3M	25,814	5	0	5	125	27,809	5	0	5	134	28,161	5	0	5	136			
				T4M	25,327	5	0	5	122	27,284	5	0	5	132	27,629	5	0	5	133			
90	700	P11	207W	TFTM	25,981	5	0	5	126	27,989	5	0	5	135	28,343	5	0	5	137			
				TSVS	26,164	5	0	1	126	28,185	5	0	1	136	28,542	5	0	1	138			
				TSS	25,943	4	0	2	125	27,948	5	0	2	135	28,302	5	0	2	137			
				T5M T5W	25,937 25,704	5	0	3	125 124	27,941 27,691	5	0	3	135 134	28,295 28,041	5	0	3 4	137 135			
				BLC	21,339	4	0	4	103	22,988	4	0	4	111	23,279	4	0	4	112			
				LCCO	15,240	2	0	4	74	16,418	2	0	4	79	16,626	2	0	4	80			
				RCCO	15,220	5	0	5	74	16,396	5	0	5	79	16,604	5	0	5	80			
							T1S	29,912	4	0	4	118	32,223	4	0	4	127	32,631	5	0	4	128
								T2S	29,740	5	0	5	117	32,038	5	0	5	126	32,443	5	0	5
				T2M	30,277	4	0	4	119	32,616	5	0	5	128	33,029	5	0	5	130			
				T3S	29,278	5	0	5	115	31,540	5	0	5	124	31,940	5	0	5	126			
			T3M	30,259	5	0	5	119	32,597	5	0	5	128	33,010	5	0	5	130				
				T4M TFTM	29,688	5	0	5	117 120	31,982	5	0	5	126 129	32,387	5	0	5	128 131			
90	850	P12	254W	T5VS	30,455 30,669	5	0	1	120	32,808 33,039	5	0	1	130	33,224 33,457	5	0	1	132			
				TSS	30,411	5	0	2	120	32,761	5	0	2	129	33,176	5	0	2	131			
				T5M	30,404	5	0	3	120	32,753	5	0	4	129	33,168	5	0	4	131			
				T5W	30,131	5	0	4	119	32,459	5	0	4	128	32,870	5	0	4	129			
				BLC	25,013	4	0	4	98	26,946	4	0	4	106	27,287	4	0	4	107			
				LCC0	17,865	2	0	4	70	19,245	2	0	4	76	19,489	2	0	4	77			
				RCCO	17,841	5	0	5	70	19,220	5	0	5	76	19,463	5	0	5	77			
				T1S	38,768	5	0	5	113	41,764	5	0	5	121	42,292	5	0	5	123			
				T2S T2M	38,545	5	0	5	112 114	41,523	5	0	5 5	121	42,049	5	0	5	122			
				T3S	39,241 37,947	5	0	5	110	42,273 40,879	5	0	5	123 119	42,808 41,396	5	0	5	124 120			
				T3M	39,218	5	0	5	114	42,249	5	0	5	123	42,783	5	0	5	124			
				T4M	38,478	5	0	5	112	41,451	5	0	5	120	41,976	5	0	5	122			
90	1200	P13	344W	TFTM	39,472	5	0	5	115	42,522	5	0	5	124	43,060	5	0	5	125			
90	1200	ris	34411	T5VS	39,749	5	0	1	116	42,821	5	0	1	124	43,363	5	0	1	126			
				T5S	39,415	5	0	2	115	42,461	5	0	2	123	42,998	5	0	2	125			
				T5M	39,405	5	0	4	115	42,450	5	0	4	123	42,988	5	0	4	125			
				T5W	39,052	5	0	5	114	42,069	5	0	5	122	42,602	5	0	5	124			
				BLC LCCO	32,419 23,154	3	0	5	94 67	34,925 24,943	3	0	5 5	102 73	35,367	5 3	0	5	103 73			
				RCCO	23,134	5	0	5	67	24,943	5	0	5	72	25,259 25,226	5	0	5	73			
				T1S	42,867	5	0	5	106	46,180	5	0	5	114	46,764	5	0	5	115			
				T2S	42,621	5	0	5	105	45,914	5	0	5	113	46,495	5	0	5	115			
				T2M	43,390	5	0	5	107	46,743	5	0	5	115	47,335	5	0	5	117			
				T3S	41,959	5	0	5	104	45,201	5	0	5	112	45,773	5	0	5	113			
				T3M	43,365	5	0	5	107	46,716	5	0	5	115	47,307	5	0	5	117			
				T4M	42,547	5	0	5	105	45,834	5	0	5	113	46,414	5	0	5	115			
90	1400	P14	405W	TFTM	43,646	5	0	5	108	47,018	5	0	5	116	47,614	5	0	5	118			
	,			TSVS	43,952	5	0	1	109	47,349	5	0	1	117	47,948	5	0	1	118			
				T5S T5M	43,583	5	0	2	108	46,950	5	0	2	116	47,545	5	0	3	117			
				T5W	43,572 43,181	5	0	5	108	46,939 46,518	5	0	4 5	116 115	47,533 47,107	5	0	5	117 116			
				BLC	35,847	5	0	5	89	38,617	5	0	5	95	39,106	5	0	5	97			
				LCCO	25,602	3	0	5	63	27,580	3	0	5	68	27,930	3	0	5	69			
				RCCO	25,569	5	0	5	63	27,544	5	0	5	68	27,893	5	0	5	69			
							-				-			-								



FEATURES & SPECIFICATIONS

INTENDED USE

The sleek design of the D-Series Area Size 2 reflects the embedded high performance LED technology. It is ideal for applications like car dealerships and large parking lots adjacent to malls, transit stations, grocery stores, home centers, and other big-box retailers.

CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (1.1 ft²) for optimized pole wind loading.

FINISH

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

OPTICS

Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in 3000 K, 4000 K, or 5000 K (70 CRI) configurations. The D-Series Size 2 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L85/100,000 hrs 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).

INSTALLATION

Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 2 to withstand up to a 2.0 G vibration load rating per ANSI C136.31. The D-Series Size 2 utilizes the AERIS™ series pole drilling pattern (Template #8). NEMA photocontrol receptacle is available.

STANDARD CONTROLS

The DSX2 LED area luminaire has a number of control options. DSX Size 2, comes standard with 0-10V dimming drivers. Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell receptacles. Integrated motion sensors with onboard photocells feature field-adjustable programing and are suitable for mounting heights up to 30 feet.

nLIGHT AIR CONTROLS

The DSX2 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 luminaries 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 Eclypse. Additional information about nLight Air can be found here.

LISTINGS

UL listed to meet U.S. and Canadian standards. UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D670,857 S. International patent pending.

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

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

BUY AMERICAN

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

Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY

5-year limited warranty. 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.

 $\stackrel{\ \, }{\text{All}}$ values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.



Page 8 of 8

DESCRIPTION

The Invue Arbor post top brings architectural style to area/site and pedestrian scale applications. Its dayform appearance brings a desired organic look into the urban environment. WaveStream LED Optics provide a uniform pixelation free image, managing glare while providing high levels of visibility.

Catalog #	Туре
Project	
Comments	Date
Prepared by	

SPECIFICATION FEATURES

Construction

Two-piece IP66 rated housing is cast from low copper content corrosion resistant aluminum, maintaining strength and precision to sustain long term dayform appearance. ANSI C136.31 testing compliance prevents damage from installation generated vibration. External hardware and casting seams are minimized to enhance appearance.

Optics

Specifically designed for pedestrian applications, WaveStream LED optical waveguide technology produces both symmetric NEMA type V and asymmetric NEMA II, III, IV distributions. The waveguide is manufactured from precision injection molded acrylic resulting in a pixelation free optical image for improved glare control and visual comfort. Luminaire efficacy's measure up to 100 lm/w for 4000K (+/- 275K) CCT at 70 CRI (min), optional 3000K CCT at 80 CRI is also available.

Electrical

LED driver(s) are directly mounted to upper housing thermal pad for optimal thermal performance.

Standard 0-10V dimming drivers and Cooper Lighting Solutions' proprietary surge protection module are designed to withstand 10kV of transient line surge. Drivers operate at 120-277V 50/60Hz with 347V/60Hz or 480V/60Hz operation optional. Suitable for ambient temperature applications as low as -40°C (40°F) to 40°C (104°F). Limited high ambient options allow for 50°C operation.

Controls

The Arbor LED luminaire control options are designed to be simple and cost-effective ASHRAE and California Title 24 compliant solutions. The ANSI C136.41 compliant NEMA 7-PIN receptacle enables wireless dimming when used with compatible photocontrol. See control options page for more details.

Mounting

Fitter assembly mounts over 2-3/8" O.D. tenon and is secured via six concealed stainless steel set screws. Design of fitter provides seamless transition to 3" O.D. round pole top. Additional mounting accessories include a single fixture arm mount, twin

fixture arm mount and wall mount arm. Additional pole mount accessories mount to a 3" x 4" long tenon for 4" - 5" O.D. poles tops. For existing 2-3/8" tenons an adapter is shipped standard.

Finish

Cooper Lighting Solutions ("CLS") utilizes premium ultra-weatherable TGIC based polyester powder coatings that are specifically formulated to withstand extended outdoor exposure. The powders are formulated exclusively for CLS to serve functionally as well as decorative. Good film appearance combinded with excellent mechanical an exterior exposure qualities display greater than twice as much gloss retention. RAL and custom color matches available. Finish is compliant with ASTM B117 3000hr salt spray standard. Options to meet Buy American Act requirements.

Warranty

Five-year warranty.

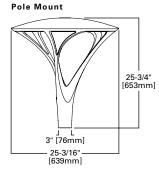


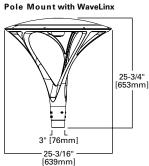
ARB ARBOR POST TOP

Invue

DECORATIVE LUMINAIRE

DIMENSIONS





Pole Mount with WaveLinx











CERTIFICATION DATA

UL/cUL Listed IEC 60529 IP66 Housing ASTM B117 SaH Spray Tested ASTM A3560 Low Cooper Alloy ISO 9001 Dark Sky Approved (3000K CCT and

warmer only)
ANSI C136.31 3G Vibration Tested (Post

Top)
ANSI C136 31 1 5G Vibration Tested

ANSI C136.31 1.5G Vibration Tested (Twin Mount / Accessory Arm Mount)

ENERGY DATA

Electronic LED Driver

>0.9 Power Factor <20% Total Harmonic Distortion 120-277V 50/60Hz, 347V/60Hz, 480V/60Hz

40°C AmbientTemperature Rating As low as -40°C (-40°F) minimum temperature

*See MINIMUMTEMPERATURE table

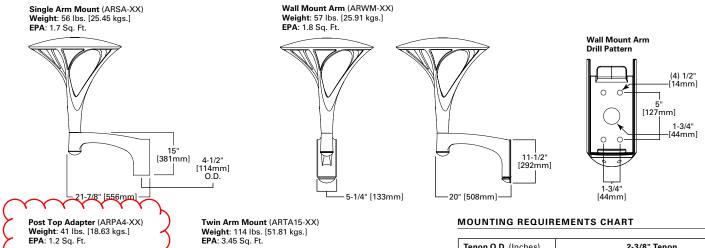
EP/

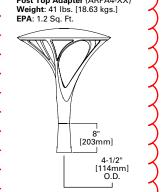
Effective Projected Area: (Sq. Ft.) 0.9

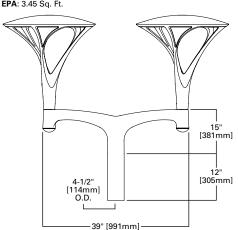
Approximate Net Weight: 37 lbs. [16.8 kgs.]

TD516018EN August 17, 2022 6:25 PM

MOUNTING CONFIGURATIONS (WEIGHT AND EPAS INCLUDES FIXTURE)



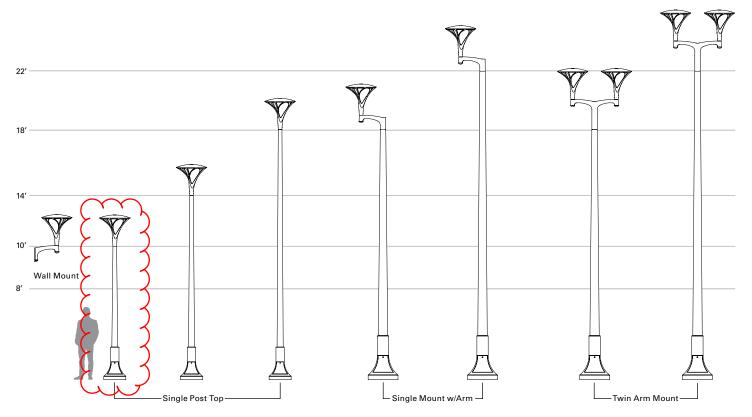




Tenon O.D. (Inches)	2-3/8" Tenon					
Pole Top O.D. (Inches)	3"	4"	5"			
Post Top	Standard	Spacer (Provided) & ARPA4-XX (Order Separately)	Spacer (Provided) & ARPA4-XX (Order Separately)			
Single Arm Mount	Spacer (Provided)	Spacer (Provided)	Spacer (Provided)			

Tenon O.D. (Inches)	3" Tenon			
Pole Top O.D. (Inches)		4"	5"	
Post Top		ARPA4-XX (Order Separately)	ARPA4-XX (Order Separately)	
Single Arm Mount		Standard	Standard	
Twin Mount		Standard	Standard	

POLE CONFIGURATIONS (ARP DECORATIVE POLE SHOWN)





ARB ARBOR POSTTOP page 3

ORDERING INFORMATION

Sample Number: ARB-B2-LED-D1-T2-GM

Product Family 1,2	Lumens ³	Lamp Type	Voltage	Distribution	Color 7
ARB=Arbor Post Top BAA-ARB=Arbor Post Top Buy American Act Compliant 25	B1=Nominal 2,300 Lumens B2=Nominal 4,500 Lumens B3=Nominal 8,500 Lumens B4=Nominal 9,500 Lumens ⁴	LED=Solid State Light Emitting Diodes	D1 =Dimming Driver (120-277V) 347 =347V ⁵ 480 =480V ⁵ ·6	T2=Type II T3=Type III T4=Type IV T5=Type V	AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White
Options (Add as Suffix)			Accessories (Order Separately) 19,26	5	
PER7=NEMA 7-PIN TwistI HA=50°C High Ambient TSPB1=Dimming Occupan SPB2=Dimming Occupan SPB2=Dimming Occupan MS-L08=Motion Sensor fi MS-L20=Motion Sensor fi MS-L20=Motion Sensor fi MS-L40W=Motion Sensor MS/DIM-L08=Motion Sensor MS/DIM-L20=Motion Sensor MS/DIM-L40W=Motion Sensor Mounting ZW-WOFWH=WaveLinx Li mable, 7' - 15' Mounting ZW-SWPD4WH=WaveLinx Li mounting 10-12-13-15-19-28-30 ZW-SWPD5WH=WaveLinx Mounting 10-12-13-15-19-28-30 ZD-SWPD5WH=WaveLinx 7' - 15' Mounting 10-12-13-15-19 ZD-SWPD5WH=WaveLinx Mounting 10-12-13-15-19-28-30 ZD-SWPD5WH=WaveLinx 15' - 40' Mounting 10-12-13-15-19 LUR-LW=Enlighted Wirel	Protective Device Surge Protective Device Atrol ck Photocontrol Receptacle ock Photocontrol Receptacle emperature ⁹ cy Sensor with Bluetooth Interface, cy Sensor with Bluetooth Interface, cy Sensor with Bluetooth Interface, or ON/OFF Operation, Maximum 8' N or ON/OFF Operation, 9' - 20' Mount for ON/OFF Operation, 21' - 40' Mor isor for Dimming Operation, Maximus sor for Dimming Operation, 9' - 20' ensor for Dimming Operation, 21' - 4' Mor isor for Dimming Operation, 21' - 4' Mor isor for Dimming Operation, 9' - 20' ensor for Dimming Operation, 9' - 20' ensor for Dimming Operation, 9' - 20' in the for ON/OFF Operation, 9' - 20' ensor for Dimming Motion and Daylight, E ite, Dimming Motion and Daylight, E ite, SR Driver, Dimming Motion and Daylight ex Pro, Dimming Motion and Daylight ex Pro, SR Driver, Dimming Motion and ex Pro, SR Driver, Dimming Motion a	8'-20' Mounting ²³ 21'-40' Mounting ²³ Mounting Height ^{10,11} ing Height ^{10,11} unting Height ^{10,11} unting Height ^{10,11} Mounting Height ^{10,11} Mounting Height ^{10,11} 10' Mounting Height ^{10,11} 8 luetooth Programmable, 7' - 15' 8 luetooth Programmable, 15' - 40' Daylight, Bluetooth Program- Daylight, Bluetooth Program- t, WAC Programmable, 7' - 15' t, WAC Programmable, 15' - 40' d Daylight, WAC Programmable, d Daylight, WAC Programmable, ounting Height ^{10,16}	ARSA-XX=Single Pole Mount Arm ARWM-XX=Wall Mount Arm ARTA15-XX=Twin Mount Bracket ²¹ ARPA4-XX=Pole Adapter ⁴¹ O.D. Pole Sire 100=Wireless Configuration T WOLC-7P-10A=Wavelinx Outdoor C WOB-WH= WaveLinx Lite Sensor, I grammable, 7' - 15' Mounting WOF-WH= WaveLinx Lite Sensor, I grammable, 15' - 40' Mounting SWPD4-WH= WaveLinx Sensor, Di mable, 7' - 15' Mounting ^{13,15,19,29} SWPD5-WH= WaveLinx Sensor, Di mable, 15' - 40' Mounting ^{13,15,19,29} mable, 15' - 40' Mounting ^{13,15,19,29}	ole Tool for Occupancy So Control Module (7-PIN Dimming Motion and Dimming Motion and D) 10,22 Daylight, Bluetooth Pro- Daylight, Bluetooth Pro- aylight, WAC Program-

NOTES:

- NOTES:

 1. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional information.

 2. Fixture slipfits over standard 2-3/8" tenon. 3" O.D. tenon when used with a ARPA4-XX 4" O.D. pole adapter.

 3. Standard 4000K CCT, nominal 70CRI.

 4. B4 only available with Type V distribution.

 5. Requires the use of a step down transformer.

 6. Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems).

 7. Custom and RAL color matching available upon request. Consult your lighting representative for more information.

 8. Extended lead times apply. Use dedicated IES files when performing layouts.

 9. Not available with 83 lumen package in Type II, III, or IV distributions.

 10. Controls system is not available with photocontrol (PC), photocontrol receptacle (PER or PER7), or controls systems MS, LWR, DIM or SPBx.

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- 10. Controls system is not available with photocontrol (PC), photocontrol receptacle (PER or PER/), or controls systems MS, LWR, DIM or SPBX.

 11. Not available with HA option.

 12. Sensor passive infrared (PIR) may be overly sensitive below -20°C (-4°F).

 13. For device to be field-configurable, requires WAC Gateway components WAC-POE and WPOE-120 in appropriate quantities. Only compatible with WaveLinx system and software and requires system components to be installed for operation. See website for more WaveLinx application information.

 14. Not available on B1 or B4 lumen packages.

 15. Requires 4-PIN twistlock receptacle (ZD or ZW) option.

 16. Foliothed wireless sensors are factory installed and require network components LWP-EM-1 LWP-GW-1 and LWP-POE8 in appropriate quantities. See website for application information.

- In. Requires 4-PIN twistlock receptate (ZD or ZW) option.

 16. Enlighted wireless sensors are factory installed and require network components LWP-EM-1, LWP-GW-1, and LWP-PoE8 in appropriate quantities. See website for application information.

 17. Not available in B4 lumen package.

 18. Low voltage control leads brought 18" outside fixture.

 19. Replace XX with paint color.

 20. Fits on 3" O.D. x 4" long tenon for nominal 4-1/2" O.D. pole top.

 21. This tool enables adjustment to Motion Sensor (MS) parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative for more information.

 22. Requires 7-PIN NEMA twistlock photocontrol receptacle (PER7) option. The WOLC-7 cannot be used in conjunction with other controls systems (MS, ZW, ZD or LWR). Operates on 120-347V input voltages.

 23. Smart device with mobile application required to change system defaults. See controls section for details.

 24. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654.

 25. Only product configurations with this designated prefix are built to be compliant with the Buy American Act of 1933 (BAA). Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately will be separately analyzed under domestic preference requirements.

 26. Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.

 27. Narrow-band \$90nm +/- 5nm for wildlife and observatory use. Choose Lumen Package B1. See IES files for photometric performance.

 28. Nust specify voltage (120V, 277V, or 347V) to fuse the single hot leg.

 29. Not available with 5LTD option.



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POWER AND LUMENS

Lumen P	ackage	B1	B2	В3	B4			
Drive Current								
Power W	attage (Watts)	24W	48W	96W	99W			
Input Cui	rent (mA) @ 120V	200	400	800	830			
Input Cui	rent (mA) @ 208V	120	240	470	480			
Input Cui	rent (mA) @ 240V	100	200	400	420			
Input Current (mA) @ 277V		90	180	350	360			
Power Wattage (Watts)		26W	53W	107W	108W			
Input Current (mA) @ 347V		79	161	325	328			
Input Current (mA) @ 480V		58	117	235	237			
Optics		,						
Type II	Lumens	2,045	3,994	7,362				
туреп	BUG Rating	B1-U0-G1	B1-U0-G2	B3-U0-G3				
Toma III	Lumens	2,324	4,534	8,451				
Type III	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3				
Toma D'	Lumens	2,408	4,691	8,740				
Type IV	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3				
T 1/	Lumens	2,311	4,529	8,511	9,464			
Type V	BUG Rating	B2-U0-G1	B3-U0-G2	B3-U0-G3	B3-U0-G3			

LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97

LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Calculated L70 (Hours)
25°C	>91%	>230,000
40°C	>88%	>172,000
50°C	>86%	>142,000

NOTE: Maintenance data applies to the highest drive current and represents the worst case at the highest wattage.

COLOR TEMPERATURE

Color Temperature (CCT)	CRI (Nominal)	Multiplier
4000	70	1.00
3000	80	0.91

MINIMUM AMBIENT TEMPERATURE

Lumen Package	Temperature
B1	-40°C
B2	-35°C
В3	-35°C
B4	-40°C
All DALI powered lumen packages	-20°C



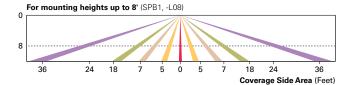
page 5 ARB ARBOR POSTTOP

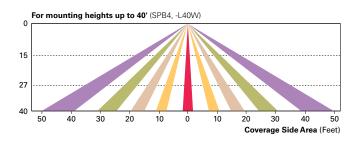
CONTROL OPTIONS

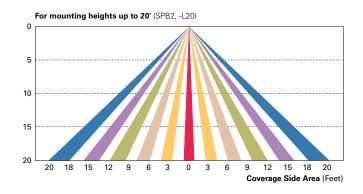
0-10V (D) The dimming option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

Photocontrol (PER and PER7) Photocontrol receptacles provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PER7 receptacle.

Dimming Occupancy Sensor (SPB, MS/DIM-LXX and MS-LXX) These sensors are factory installed in the luminaire housing. When the SPB or MS/DIM sensor options are selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes. The MS-LXX sensor is factory preset to turn the luminaire off after five minutes of no activity. SPB motion sensors require the Sensor Configuration mobile application by Wattstopper to change factory default dimming level, time delay, sensitivity and other parameters. Available for iOS and Android devices. The SPB sensor is factory preset to dim down to approximately 10% power with a time delay of five minutes. The MS/DIM occupancy sensors require the FSIR-100 programming tool to adjust factory defaults.



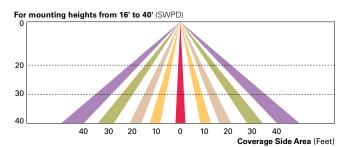




WaveLinx Wireless Control and Monitoring System Available in 7-PIN or 4-PIN configurations, the WaveLinx Outdoor control platform operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. Use the WaveLinx Mobile application for set-up and configuration. At least one Wireless Area Controller (WAC) is required for full functionality and remote communication (including adjustment of any factory pre-sets).

WaveLinx Outdoor Control Module (WOLC-7P-10A) A photocontrol that enables astronomic or time-based schedules to provide ON, OFF and dimming control of fixtures utilizing a 7-PIN receptacle. The out-of-box functionality is ON at dusk and OFF at dawn.

WaveLinx Wireless Sensor (SWPD4 and SWPD5) These outdoor sensors offer passive infrared (PIR) occupancy and a photocell for closed loop daylight sensing. These sensors can be factory installed or field-installed via simple, tool-less integration into luminaires equipped with the Zhaga Book 18 compliant 4-PIN receptacle (ZD or ZW). These sensors are factory preset to dim down to approximately 50 percent power after 15 minutes of no activity detected. These occupancy sensors include an integral photocell for "dusk-to-dawn" control or daylight harvesting that is factory-enabled. A variety of sensor lenses are available to optimize the coverage pattern for mounting heights from 7:40°.



Enlighted Wireless Control and Monitoring System (LWR-LW and LWR-LN) The Enlighted System is a connected lighting solution that combines LED luminaires with an integrated wireless sensor system. The sensor controls the lighting system in compliance with the latest energy codes and collects valuable data about building performance and use. Software applications turn the granular data into information through energy dashboards and specialized apps that make it simple and help optimize the use of other resources beyond lighting.

