

Project		Catalog #		Type	
Prepared by		Notes		Date	



Invue

ARB Arbor Post Top

Decorative Luminaire

Product Features



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Product Certifications



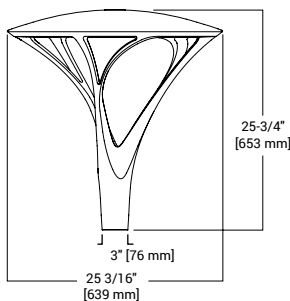
Quick Facts

- Low copper content two piece aluminum housing
- Type II, III and IV asymmetric and type V symmetric NEMA distributions
- Up to 110 LPW
- 4000K @ 70 CRI standard, other options are available
- 3G vibration rated (post top) and 1.5G (single/twin pole accessories)
- Wall mount accessories available

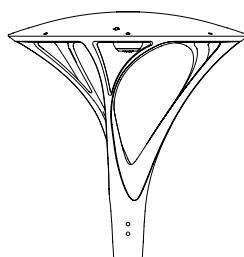
Connected Systems

- WaveLinx PRO Wireless
- WaveLinx LITE Wireless

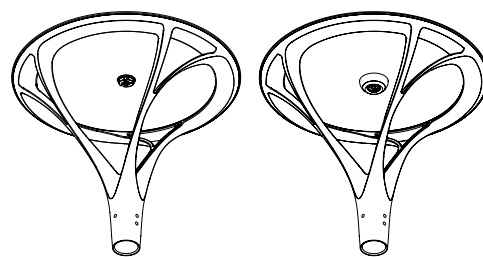
Dimensional and Mounting Details



Pole Mount



Pole Mount with WaveLinx



Weight: 37 lbs. [16.8 kgs.]

EPA: 0.9 Sq. Ft.

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 ²⁴	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) ⁸		
7030 =70 CRI / 3000K CCT ⁸ 7035 =70 CRI / 3500K CCT ⁸ 8030 =80 CRI / 3000K CCT ⁸ 8035 =80 CRI / 3500K CCT ⁸ AMB =Amber 590nm ^{11,26} 20MSP =Parallel 20kV MOV Surge Protection Device 20K =Series 20kV UL 1449 Surge Protection Device PC =Button Type Photocontrol PER =NEMA 3-PIN Twistlock Photocontrol Receptacle PER7 =NEMA 7-PIN Twistlock Photocontrol Receptacle HA =50°C High Ambient Temperature ⁹ SPB1 =Dimming Occupancy Sensor with Bluetooth Interface, <8' Mounting ²² SPB2 =Dimming Occupancy Sensor with Bluetooth Interface, 8'-20' Mounting ²² SPB4 =Dimming Occupancy Sensor with Bluetooth Interface, 21'-40' Mounting ²² MS-L08 =Motion Sensor for ON/OFF Operation, Maximum 8' Mounting Height ^{10,11} MS-L20 =Motion Sensor for ON/OFF Operation, 9' - 20' Mounting Height ^{10,11} MS-L40W =Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height ^{10,11} MS/DIM-L08 =Motion Sensor for Dimming Operation, Maximum 8' Mounting Height ^{10,11} MS/DIM-L20 =Motion Sensor for Dimming Operation, 9' - 20' Mounting Height ^{10,11} MS/DIM-L40W =Motion Sensor for Dimming Operation, 21' - 40' Mounting Height ^{10,11} WLS2XX =WaveLinX LITE, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting WLS4XX =WaveLinX LITE, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting WPS2XX =WaveLinX PRO, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting ^{10,12,13,18,28} WPS4XX =WaveLinX PRO, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting ^{10,12,13,18,28} LWR-LW =Enlighted Wireless Sensor, Wide Lens for 8' - 16' Mounting Height ^{10,15} LWR-LN =Enlighted Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height ^{10,15} SLTD =Fifth Light Dali Driver ^{10,16} DIM =0-10V External Dimming Leads ^{10,17} VS =Tempered Glass Vandal Shield CC =Coastal Construction ²³ SPBL2 =FDP-301-L2 (Wattstopper DALI sensor) SPBL4 =FDP-301-L7 (Wattstopper DALI sensor) TH =Toolless hardware F =Single Fuse ²⁷			ARSA-XX =Single Pole Mount Arm ¹⁹ ARWM-XX =Wall Mount Arm ARTA15-XX =Twin Mount Bracket ²⁰ ARPA4-XX =Pole Adapter 4" O.D. Pole FSIR-100 =Wireless Configuration Tool for Occupancy Sensor ²⁰ WOLC-7P-10A =Wavelinx Outdoor Control Module (7-PIN) ^{10,21}		
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 slifits 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 B3 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. 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. 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. 16. Not available in B4 lumen package. 17. Low voltage control leads brought 18" outside fixture. 18. Replace XX with paint color. 19. Fits on 3" O.D. x 4" long tenon for nominal 4-1/2" O.D. pole top. 20. 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. 21. Requires 7-PIN NEMA twistlock photocontrol receptacle (PER7) option. The WOLC-7 cannot be used in conjunction with other controls systems (MS or LWR). Operates on 120-347V input voltages. 22. Smart device with mobile application required to change system defaults. See controls section for details. 23. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654. 24. 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 may be separately analyzed under domestic preference requirements. 25. Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information. 26. Narrow-band 590nm +/- 5nm for wildlife and observatory use. Choose Lumen Package B1. See IES files for photometric performance. 27. Must specify voltage (120V, 277V, or 347V) to fuse the single hot leg. 28. Not available with SLTD option. 29. IDA Certified for 3000K CCT and warmer only					

ARP ORDERING INFORMATION (ALUMINUM DECORATIVE POLE)

SAMPLE NUMBER: ARP5L310ABZ2

Product Family	Shaft Size (Inches) ¹	Wall Thickness (Inches)	Pole Top Diameter (Inches)	Mounting Height (Feet)	Base Type	Finish	Mounting Type	Number and Location of Arms	Options (Add as Suffix)
ARP= Aluminum Round Tapered Decorative BAA-ARP= Aluminum Round Tapered Decorative Buy American Act Compliant ³⁶	5= 5"	L= 0.156" M= 0.188"	3= 3" O.D. ² 6= 4" O.D. ³	10= 10' 12= 12' 14= 14' 16= 16' 18= 18' ⁴ 22= 22' ⁴	A= Aluminum (Round 4-Bolt Pole)	AP= Grey BA= Anodized Bronze BK= Black BZ= Bronze CA= Anodized Clear DA= Anodized Black DP= Dark Platinum GM= Graphite Metallic GN= Hartford Green WH= White	2= 2-3/8" O.D. Tenon (4" Long) 5= 3" O.D. Tenon (4" Long)	X= None	C= Convenience Outlet ⁵ E= GFCI Convenience Outlet ⁵ G= Ground Lug V= Vibration Dampener ⁴
NOTES: 1. All shaft sizes nominal. 2. Provides 3" O.D. pole top suited for Arbor Post Top. 3. Provides 4" O.D. pole top suited for LuxeScape post tops. 4. Vibration damper recommended over 18 feet add suffix "V" to catalog number. 5. Specify outlet location. Receptacle not included, provision only.									

Product Specifications

Construction

- Two-piece 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 110 lumens per watt for 4000K (+/- 275K) CCT at 70 CRI (min), other CCT and CRI options are available
- Turtle-safe 590nm amber option available

Electrical

- LED driver(s) are directly mounted to upper housing thermal pad for optimal thermal performance
- 0-10V dimming compatibility is standard
- 10kV surge protection is standard
- Drivers operate at 120-277V 50/60Hz with 347V/60Hz or 480V/60Hz operation optional

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

- Fixture is designed to slip-fit over a 2-3/8" tenon and is secured via six concealed stainless steel set screws
- Fixture seamlessly matches a 3" O.D. round pole top
- Utilize the pole mount adapter accessory "ARPA4-XX" to mount to a 3" diameter x 4" long tenon on 4" to 5" O.D. pole tops

Finish

- Premium TGIC based polyester powder coatings are specifically formulated to withstand years of outdoor service
- Finishes are compliant with ASTM B117 3000 hour salt spray standard
- RAL and custom colors are available. Additional charges and lead times apply

Compliance

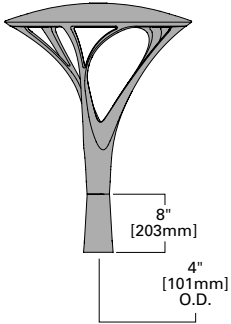
- cULus certified for -40° to 40°C ambient environments, with high ambient options suitable up to 50°C
- IP66 rated
- Domestic preference options to meet Buy American Act requirements. Visit [DOMESTIC PREFERENCES](#) website for more information
- DarkSky approved for 3000K CCT and warmer

Warranty

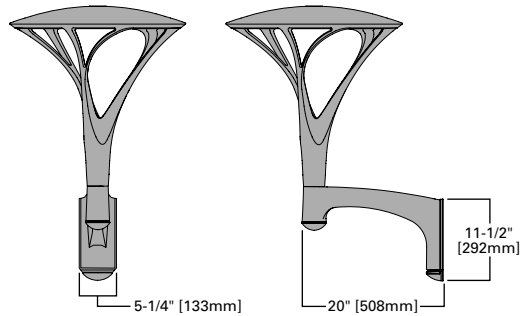
- Five year limited warranty, consult website for details. www.cooperlighting.com/legal

Mounting Configurations (Weight and EPAS includes fixture)

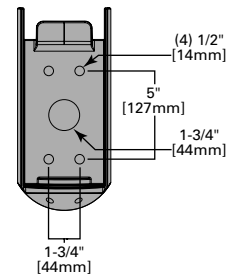
Post Top Adapter (ARPA4-XX)
Weight: 41 lbs. [18.63 Kgs.]
EPA: 1.2 Sq. Ft.



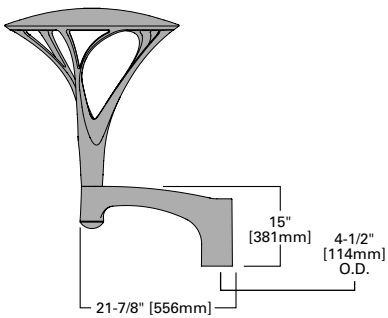
Wall Mount Arm (ARWM-XX)
Weight: 57 lbs. [25.91 Kgs.]
EPA: 1.8 Sq. Ft.



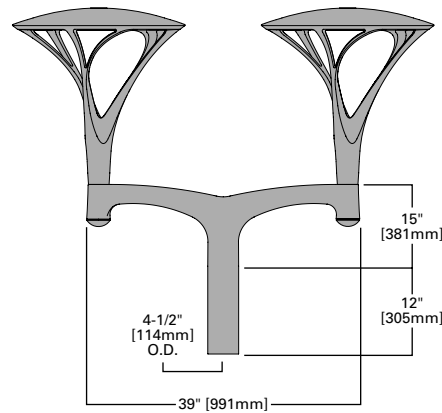
**Wall Mount Arm
 Drill Pattern**



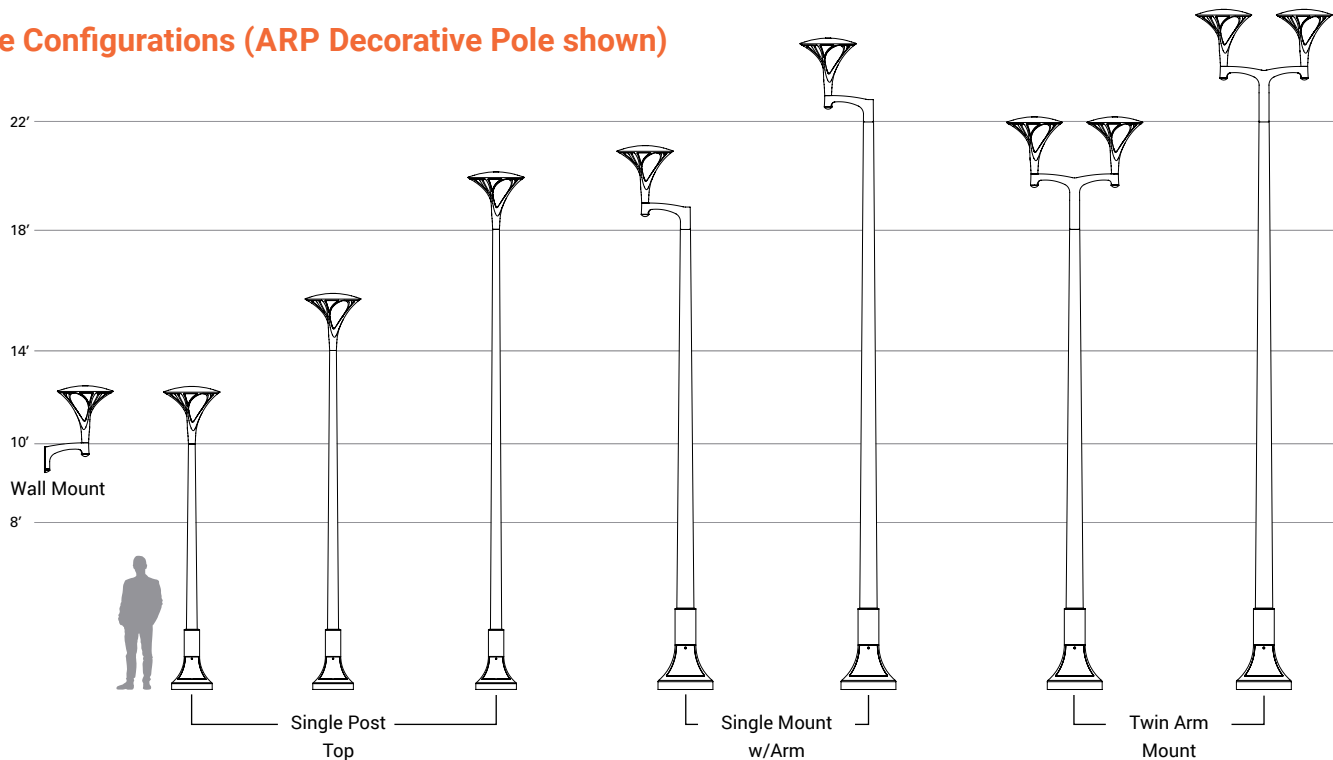
Single Arm Mount (ARSA-XX)
Weight: 56 Lbs. [25.45 Kgs.]
EPA: 1.7 Sq. Ft.



Twin Arm Mount (ARTA15-XX)
Weight: 114 lbs. [51.81 Kgs.]
EPA: 3.45 Sq. Ft.



Pole Configurations (ARP Decorative Pole shown)



Optical Distributions

 View IES files

Power and Lumens

Lumen/Distribution		B1	B2	B3	B4
Power Wattage (Watts)		24W	48W	96W	99W
Input Current (mA) @ 120V		200	400	800	830
Input Current (mA) @ 208V		120	240	470	480
Input Current (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	-
	BUG Rating	B1-U0-G1	B1-U0-G2	B3-U0-G3	-
Type III	Lumens	2,324	4,534	8,451	-
	BUG Rating	B1-U0-G1	B1-U0-G2	B3-U0-G3	-
Type IV	Lumens	2,408	4,691	8,740	-
	BUG Rating	B1-U0-G1	B1-U0-G2	B3-U0-G3	-
Type V	Lumens	2,311	4,529	8,511	9,464
	BUG Rating	B1-U0-G1	B1-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	>94%	>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

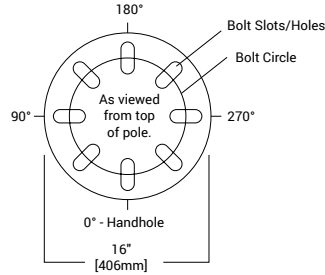
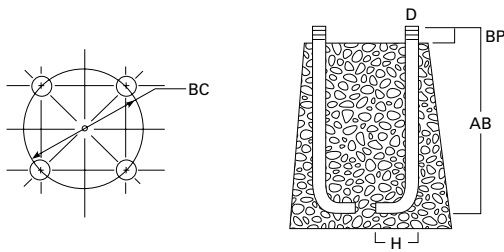
Lumen Multiplier

Lumen Package	Temperature
B1	-40°C
B2	-35°C
B3	-35°C
B4	-40°C
All DALI powered lumen packages	-20°C

Power and Lumens

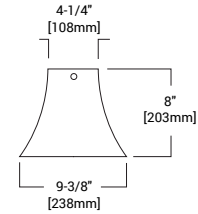
Lumen Package			B1	B2	B3	B4
CRI/CCT (Nominal)	Distribution					
7030: 70CRI / 3000K	Type II	Lumens	1893	3994	6815	-
		Lumens Per Watt	78.9	83.2	68.8	-
		BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	-
	Type III	Lumens	2324	4534	7823	-
		Lumens Per Watt	96.8	94.5	79.0	-
		BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	-
	Type IV	Lumens	2408	4691	8090	-
		Lumens Per Watt	100.3	97.7	81.7	-
		BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	-
	Type V	Lumens	2311	4529	7878	8761
		Lumens Per Watt	110.0	110.5	91.6	91.3
		BUG Rating	B2-U0-G1	B3-U0-G2	B3-U0-G3	B3-U0-G3
8030: 80CRI / 3000K	Type II	Lumens	1708	3336	6149	-
		Lumens Per Watt	71.2	69.5	62.1	-
		BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	-
	Type III	Lumens	1941	3787	7058	-
		Lumens Per Watt	80.9	78.9	71.3	-
		BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	-
	Type IV	Lumens	2011	3918	7300	-
		Lumens Per Watt	83.8	81.6	73.7	-
		BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	-
	Type V	Lumens	1930	3783	7108	7904
		Lumens Per Watt	91.9	92.3	82.7	82.3
		BUG Rating	B2-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3

Anchorage Data



Anchor Base Detail

Access Door



Tenon O.D. (Inches)	Anchor Bolt and Template Package	Shaft Diameter (inches)	Bolt Circle (inches)	Number of Bolts	Bolt Size (inches)	Template Only
Aluminum Round Decorative Pole (ARP)	317AVE30	4 x 5	9	4	3/4 x 17	407040D

Effective Projected Area (At Pole Top)

Mounting Height (Feet)	Catalog Number	Wall Thickness (Inches)	Bolt Circle Diameter (Inches)	Anchor Bolt Projection (Inches)	Shaft Taper (Inches)	Anchor Bolt Diameter x Length x Hook (Inches)	Net Weight (Pounds)	Maximum Effective Projected Area (Square Feet) (1.3 gust factor)			Max. Load (Pounds)
								80 mph	90 mph	100 mph	
MH			BC	BP	B	AB ¹		80 mph	90 mph	100 mph	
10	ARP5L310A	0.156	9.0	3.5	5 X 3	3/4 X 17 X 3	57	20.0	17.5	14.1	120
10	ARP5L610A	0.156	9.0	3.5	5 X 4	3/4 X 17 X 3	57	17.0	13.3	10.7	120
12	ARP5L312A	0.156	9.0	3.5	5 X 3	3/4 X 17 X 3	62	18.2	14.1	11.2	120
12	ARP5L612A	0.156	9.0	3.5	5 X 4	3/4 X 17 X 3	62	14.1	10.9	8.7	120
14	ARP5L314A	0.156	9.0	3.5	5 X 3	3/4 X 17 X 3	67	14.8	11.4	9.0	120
14	ARP5L614A	0.156	9.0	3.5	5 X 4	3/4 X 17 X 3	67	11.7	9.0	7.1	120
16	ARP5L316A	0.156	9.0	3.5	5 X 3	3/4 X 17 X 3	72	12.0	9.1	7.0	120
16	ARP5L616A	0.156	9.0	3.5	5 X 4	3/4 X 17 X 3	72	9.4	7.1	5.6	120
18	ARP5L318A	0.156	9.0	3.5	5 X 3	3/4 X 17 X 3	77	9.5	7.1	5.4	120
18	ARP5L618A	0.156	9.0	3.5	5 X 4	3/4 X 17 X 3	77	7.6	5.6	4.3	120
18	ARP5M618A	0.188	9.0	3.5	5 X 4	3/4 X 17 X 3	83	9.5	7.1	5.6	120

Effective Projected Area (18" Above Pole Top)

Mounting Height (Feet)	Catalog Number	Wall Thickness (Inches)	Bolt Circle Diameter (Inches)	Anchor Bolt Projection (Inches)	Shaft Taper (Inches)	Anchor Bolt Diameter x Length x Hook (Inches)	Net Weight (Pounds)	Maximum Effective Projected Area (Square Feet) (1.3 gust factor)			Max. Load (Pounds)
								80 mph	90 mph	100 mph	
MH			BC	BP	B	AB ¹		80 mph	90 mph	100 mph	
10	ARP5L310A	0.156	9.0	3.5	5 X 3	3/4 X 17 X 3	57	19.6	15.3	12.3	120
10	ARP5L610A	0.156	9.0	3.5	5 X 4	3/4 X 17 X 3	57	17.0	13.3	10.7	120
12	ARP5L312A	0.156	9.0	3.5	5 X 3	3/4 X 17 X 3	62	16.1	12.5	9.9	120
12	ARP5L612A	0.156	9.0	3.5	5 X 4	3/4 X 17 X 3	62	14.1	10.9	8.7	120
14	ARP5L314A	0.156	9.0	3.5	5 X 3	3/4 X 17 X 3	67	13.2	10.1	8.0	120
14	ARP5L614A	0.156	9.0	3.5	5 X 4	3/4 X 17 X 3	67	11.7	9.0	7.1	120
16	ARP5L316A	0.156	9.0	3.5	5 X 3	3/4 X 17 X 3	72	10.6	8.0	6.2	120
16	ARP5L616A	0.156	9.0	3.5	5 X 4	3/4 X 17 X 3	72	9.4	7.1	5.6	120
18	ARP5L318A	0.156	9.0	3.5	5 X 3	3/4 X 17 X 3	77	8.5	6.4	4.8	120
18	ARP5L618A	0.156	9.0	3.5	5 X 4	3/4 X 17 X 3	77	7.6	5.6	4.3	120
18	ARP5M618A	0.188	9.0	3.5	5 X 4	3/4 X 17 X 3	83	9.5	7.1	5.6	120

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.

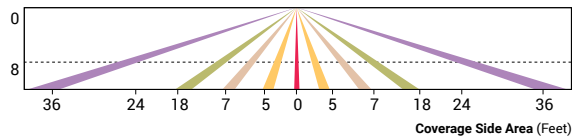
Photocontrol (PER and PER7)

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.

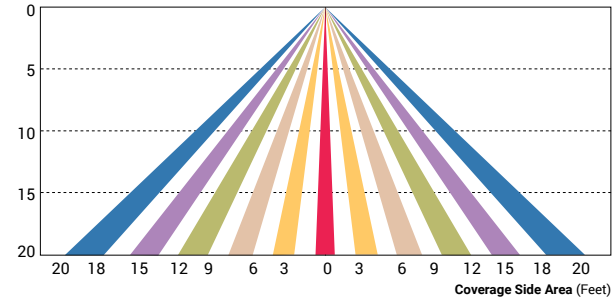
Dimming Occupancy Sensor (SPB, MS/DIM-LXX and MS-LXX)

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.

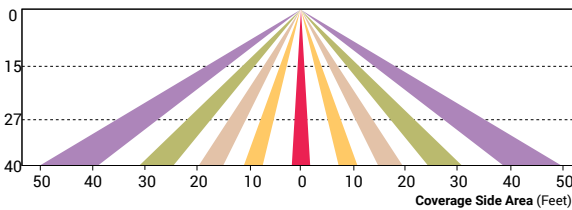
For mounting heights up to 8' (SPB1, -L08)



For mounting heights up to 20' (SPB2, -L20)



For mounting heights up to 40' (SPB4, -L40W)



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).

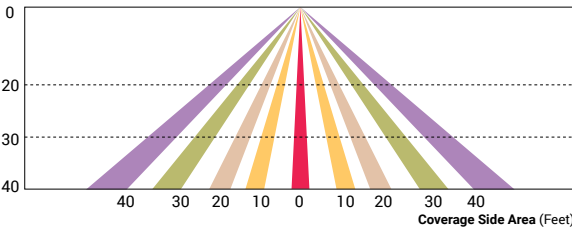
WaveLinx Outdoor Control Module (WOLC-7P-10A)

A photocontrol that enables astronomical 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 (WPS2 and WPS4)

These outdoor sensors offer passive infrared (PIR) occupancy and a photocell for closed loop daylight sensing. 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'.

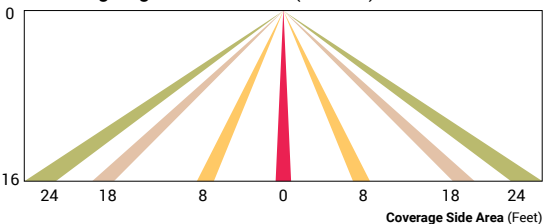
For mounting heights up to 16' to 40' (WPS)



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.

For mounting heights from 8' to 16' (LWR-LW)



For mounting heights from 16' to 40' (LWR-LN)

