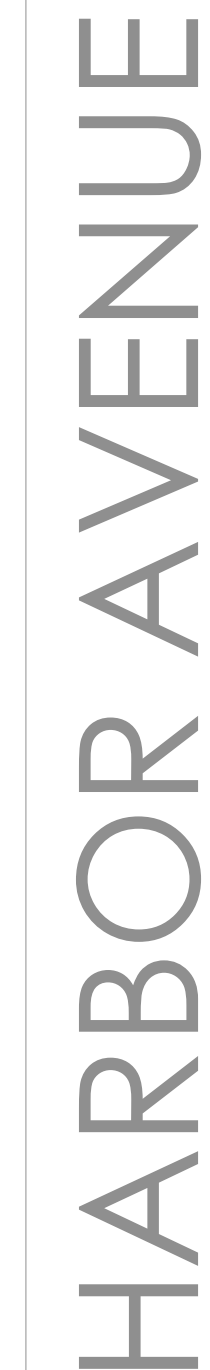


Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
LARGE COURTYARD	Illuminance	Fc	3.65	4.6	2.3	1.59	2.00
PARKING AND DRIVES	Illuminance	Fc	1.32	2.5	0.7	1.89	3.57
PLAYGROUND	Illuminance	Fc	3.89	5.1	1.6	2.43	3.19
PROPERTY BOUNDARY	Illuminance	Fc	0.13	1.6	0.0	N.A.	N.A.
SIDEWALK BETWEEN BLDGS 1 AND 2	Illuminance	Fc	1.36	3.0	0.7	1.94	4.29
SIDEWALK BETWEEN BLDGS 1 AND 4	Illuminance	Fc	1.02	1.4	0.7	1.46	2.00
SIDEWALK BETWEEN BLDGS 2 AND 3	Illuminance	Fc	1.03	1.7	0.7	1.47	2.43
SIDEWALK BETWEEN BLDGS 3 AND 5	Illuminance	Fc	1.10	1.8	0.3	3.67	6.00
SIDEWALK BETWEEN BLDGS 4 AND 5	Illuminance	Fc	1.60	3.4	1.0	1.60	3.40
SIDEWALK BETWEEN BLDGS 4 AND 6	Illuminance	Fc	1.09	1.5	0.9	1.21	1.67
SIDEWALK BETWEEN BLDG 5 AND PLAY	Illuminance	Fc	1.94	3.0	1.1	1.76	2.73
SIDEWALK BETWEEN BLDGS 6 AND 7	Illuminance	Fc	1.06	1.7	0.3	3.53	5.67
SIDEWALK MAIN	Illuminance	Fc	1.18	1.9	0.8	1.48	2.38
SIDEWALK SOUTH TO BLDG 7	Illuminance	Fc	0.51	1.0	0.2	2.55	5.00
SIDEWALK WEST	Illuminance	Fc	1.24	1.8	0.7	1.77	2.57
SMALL COURTYARD	Illuminance	Fc	2.53	4.0	1.0	2.53	4.00



.All values shown are maintained horizontal Footcandles at grade level.
The lighting calculations provided in this report approximate the light levels expected within the space as defined and are based on the information provided to Cal Lighting. Please verify the data to assure the accuracy of the report. Cal Lighting is not responsible for light output of lamps and ballasts, or design variables.

Project		Catalog #		Type	
Prepared by		Notes		Date	



Invue

ClearCurve Pedestrian

Pedestrian Luminaire

Product Features



Product Certifications



Interactive Menu

- Ordering Information [page 2](#)
- Product Specifications [page 3](#)
- Energy and Performance Data [page 3](#)
- Control Options [page 8](#)

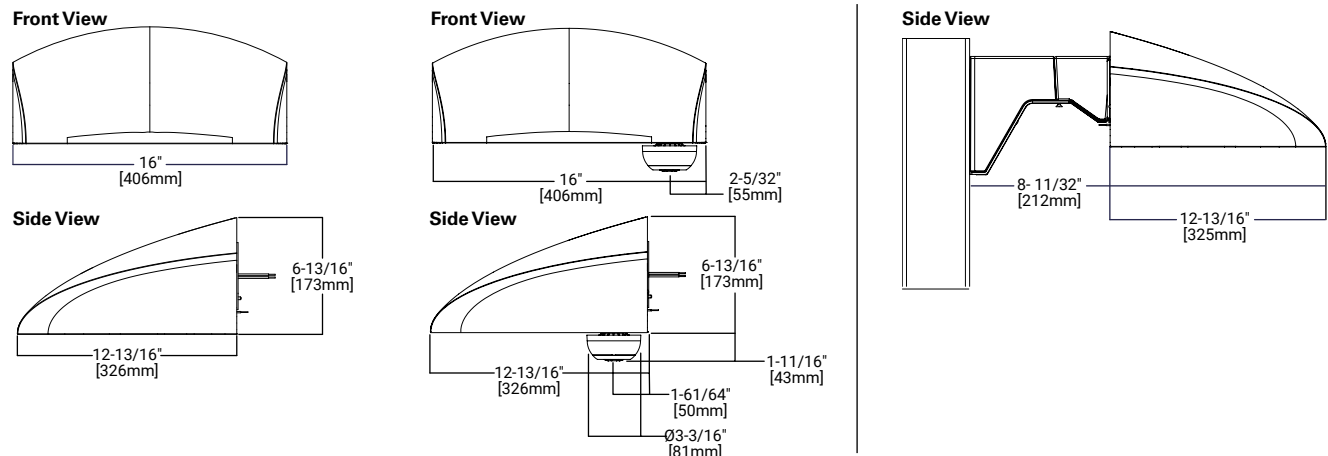
Quick Facts

- Available with Visual Comfort or Discrete optics configurations
- Lumen packages from 1,600 to over 14,000 lumens (18W to 110W)
- Efficacy up to 157 lumens per watt
- Standard quick mount arm with universal drill pattern
- Available with internal battery for emergency lighting

Connected Systems

- WaveLinx PRO Wireless

Dimensional Details



NOTES:

1. Visit <https://www.designlights.org/search/> to confirm qualification. Not all product variations are DLC qualified.

Ordering Information

SAMPLE NUMBER: CCP-VA4-740-U-T4W-GM

Product Family ¹	Light Engine		Color Temperature	Voltage	Distribution	Finish
	Visual Comfort Configurations					
CCP =ClearCurve Pedestrian BAA-CCP =ClearCurve Pedestrian Buy American Act Compliant ²⁷ TAA-CCP =ClearCurve Pedestrian Trade Agreements Act Compliant ²⁷	VA1 =Wavestream, 2,800 lumens VA2 =Wavestream, 3,800 lumens VA3 =Wavestream, 4,500 lumens VA4 =Wavestream, 6,000 lumens VA5 =Wavestream, 8,000 lumens ² VA6 =Wavestream, 10,000 lumens ²		727 =70CRI, 2700K 730 =70CRI, 3000K 735 =70CRI, 3500K 740 =70CRI, 4000K 750 =70CRI, 5000K 760 =70CRI, 6000K 827 =80CRI, 2700K 830 =80CRI, 3000K 835 =80CRI, 3500K 840 =80CRI, 4000K 850 =80CRI, 5000K AMB =Amber 590nm ²⁴	U =Universal, 120-277V 1 =120V 2 =208V 3 =240V 4 =277V 8 =480V ⁴ 9 =347V	T1 =Type I ⁵ T2 =Type II T3 =Type III T4FT =Type IV Forward Throw T4W =Type IV Wide 5WQ =Type V Square Wide 5MQ =Type V Square Medium 5NQ =Type V Square Narrow SL2 =Type II w/Spill Control ⁵ SL3 =Type III w/Spill Control ⁵ SL4 =Type IV w/Spill Control ⁵ RW =Rectangular Wide Type I AFL =Automotive Frontline SLL =90° Spill Light Eliminator Left ⁵ SLR =90° Spill Light Eliminator Right ⁵	AP =Grey BZ =Bronze BK =Black DP =Dark Platinum GM =Graphite Metallic WH =White
	Discrete Configurations	Drive Current				
	SA1 =1 Light Square SA2 =2 Light Squares	A =350mA B =450mA C =615mA D =800mA E =1050mA F =1200mA ³				
Options (Add as Suffix)				Accessories (Order Separately)		
F = Single Fuse (120V, 277V or 347V. Must Specify Voltage) FF = Double Fuse (208, 240, or 480V. Must Specify Voltage) 10MSP = 10kV MOV Surge Protective Device 20MSP = 20kV MOV Surge Protective Device 20K = 20kV UL 1449 Fused Surge Protective Device 2L = Two Circuits ^{5, 6} L90 = Optics Rotated 90° Left ⁵ R90 = Optics Rotated 90° Right ⁵ HSS = House Side Shield (Factory Installed) ^{5, 9} HA = 50°C High Ambient Temperature ¹⁰ TR = Tamper Resistant Hardware CC = Coastal Construction ¹¹ DALI = DALI Driver BPC = Button Type Photocontrol ¹² PR = NEMA 3-PIN Twistlock Photocontrol Receptacle ¹⁴ PR7 = NEMA 7-PIN Twistlock Photocontrol Receptacle ¹⁴ AHD145 = After Hours Dim, 5 Hours ¹⁵ AHD245 = After Hours Dim, 6 Hours ¹⁵ AHD255 = After Hours Dim, 7 Hours ¹⁵ AHD355 = After Hours Dim, 8 Hours ¹⁵ MS/DIM-L08 = Motion Sensor for Dimming Operation, Up to 8' Mounting Height ^{12, 16} MS/DIM-L20 = Motion Sensor for Dimming Operation, 9' - 20' Mounting Height ^{12, 16} SPB1 = Motion Sensor for Dimming Operation, BLE Interface, Up to 8' Mounting Height ^{12, 17} SPB2 = Motion Sensor for Dimming Operation, BLE Interface, 8' - 20' Mounting Height ^{12, 17} WPS2XX = WaveLinX Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting ^{12, 18, 19, 20} ; replace XX with sensor color (WH, BZ or BK) WPS4XX = WaveLinX Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting ^{12, 18, 19, 20} ; replace XX with sensor color (WH, BZ or BK) FADC = Field Adjustable Dimming Control ²⁵ X = No surge protector EMERGENCY OPTIONS (choose only one) EBP = Emergency Battery Pack (Ambient Temp, 0° to 40°C) ^{7, 8, 13, 26} CBP = Cold Weather Emergency Battery Pack (Ambient Temp, -20° to 40°C) ^{7, 8, 13, 26} CBP-CEC = Cold Weather Emergency Battery Pack, CEC Compliant (Ambient Temp, -20° to 40°C) ^{7, 8, 13, 26} ITS = Internal Transfer Switch, UL Recognized Component ^{7, 13}				OA/RA1013 = Photocontrol Shorting Cap OA/RA1014 = NEMA Photocontrol - 120V OA/RA1016 = NEMA Photocontrol - Multi-Tap 105-285V OA/RA1201 = NEMA Photocontrol - 347V OA/RA1027 = NEMA Photocontrol - 480V WRGX = Wireguard for qty "X" Lightsquares ⁵ BB/CCXX = Back Box with 3/4 NPT (replace XX with color selection) BB-BPC/CCXX = Back Box with 3/4 NPT and button PC (replace XX with color selection) ^{12, 25} LS/HSS = House Side Shield ^{5, 21} FSIR-100 = Wireless Configuration Tool for Motion Sensor ²² WOLC-7P-10A = WaveLinX Outdoor Control Module (7-PIN) ²³ BB-ZW/CCXX = Back Box with 3/4" NPT and Wavelinx enabled 4-PIN Twistlock Receptacle (replace XX with color selection) ²⁵ BB-FADC/CCXX = Field Adjustable Dimming Control (replace XX with color selection) ²⁵ POLE-MT-kit-XX = Pole Mount Arm (replace XX with color selection to match fixture)		
NOTES: 1. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details. 2. Only available with Type IV Wide (T4W) distribution. 3. Not available with 2 Light Squares (SA2x). 4. 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). 5. Not available with Visual Comfort Light Engines (Vax) 6. Not available with 1 Light Square (SA1x). 7. Not available with other emergency options (EBP, CBP, CBP-CEC, or ITS). 8. Universal (120-277V), 120V, or 277V only. 9. Light Square trim plate will be painted Black when HSS option is selected. 10. Not available with VA6 or SA2E Light Engine. Not available with emergency options (EBP, CBP, or CBP-CEC). Not available with AMB (amber leds) 11. Light Square configuration only. The finish is tested per ASTM B117. Scribe rating of 7 per ASTM D1654. 12. For voltages above 277V, must specify voltage. Cannot select voltage ranges H or C. 13. Not available with VA6 or SA2E Light Engines. 14. If 347-480V (H) or 277-480V (C) voltage is specified, use a photocontrol that matches the input voltage used (either 277V, 347V, or 480V). 15. Requires the use of photocontrol (BPC). See After Hours Dim supplemental guide for additional information. 16. Utilizes the Wattstopper sensor FSP-211. Sensor color white unless specified otherwise via PDR. 17. Utilizes the Wattstopper sensor FSP-3x1. Sensor color determined by product finish. See reference table. 18. Sensor passive infrared (PIR) may be overly sensitive when operating below -20°C (-4°F). 19. In order for the 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. 20. Not available with Back Box. 21. Must order one per Light Square when ordering as a field-installable accessory (1 or 2). 22. 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. 23. Requires 7-PIN NEMA twistlock photocontrol receptacle (PR7) option. The WOLC-7 cannot be used in conjunction with other controls systems (MS). Only for use at 120-347V. 24. Use for wildlife and observatory (Narrow-band 590nm +/- 5nm). Choose drive current B for SA1 or SA2. Choose lumen package VA2 for T2, T3, and T4FT, choose VA5 for T4W. Not available with 2L option. 25. Not available with DALI, PR7, MS/DIM, SPB1, SPB2, WPS (any sensors or network dimming control devices). 26. Battery systems are UL924 Listed 27. Product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.						

Product Specifications

Construction

- Low copper content, die-cast aluminum housing provides a clean smooth aesthetic
- Patent pending housing design
- IP66 rated
- 3G vibration rated

Optics

- Visual Comfort WaveStream™ technology or high-efficiency injection-molded AccuLED
- Comprehensive range of Color Temperature choices
- Visual Comfort - Four optical distributions utilizing patented visual comfort WaveStream™ technology
- Visual Comfort - 6 lumen packages, ranging from 2,800 to 10,000 lumens
- AccuLED – 18 distributions including HSS shielding
- AccuLED – 11 lumen packages, ranging from 1,600 to 12,000 lumens
- AccuLED - Patented, high-efficiency injection molded AccuLED Optics technology

Electrical

- Approx. 90% lumen maintenance at 60,000 hours
- 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation
- 10kV surge module standard
- 10MSP, 20MSP, 20kv and X are optional
- Standard with 0-10V dimming
- Suitable for operation in -40°C to 40°C ambient environment
- Optional 50°C high ambient (HA) configuration available

Mounting

- Versatile, patented standard quick mount arm accommodates drill patterns ranging from 1-1/2" to 4-7/8" (Type M drilling recommended for new installations)

Finish

- Finishes include white, black, bronze, gray, dark platinum and graphite metallic
- RAL and custom color matches available
- Super housing durable TGIC polyester powder coat paint, 2.5 mil nominal thickness
- Coastal Construction (CC) option available, providing 5,000 hour salt spray rating per ASTM B117, with a scribe rating of 9 per ASTM D1654

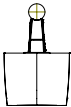
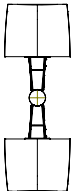
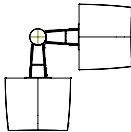
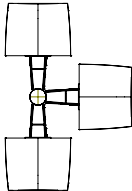
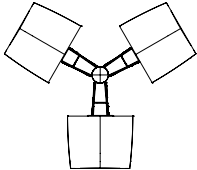
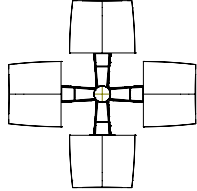
Warranty

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

Approximate Fixture Weight

23.0 lbs

Mounting Data

Effective Projected Area (EPA - Sq. Ft.)						
Configuration	Single	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	4 @ 90°
EPA (Sq. Ft.)	0.92	1.92	1.62	2.39	2.13	2.39

Energy and Performance Data

VA Performance

[Supplemental Performance Guide](#)

Lumen Package	VA1	VA2	VA3	VA4	VA5	VA6
Power Wattage (Watts)*	28.5W	41W	49W	58.6W	78W	106W
Input Current (mA) @120V	240	340	406	493	676	933
Input Current (mA) @277V	105	148	175	221	285	388
Power Wattage (Watts)*	31.5W	44W	53.5W	65W	83W	115W
Input Current (mA) @347V	93	125	155	188	237	321
Input Current (mA) @480V	67	92	114	138	175	243

SA Performance

[Supplemental Performance Guide](#)

Lumen Package	SA1A (350mA)	SA1B (450mA)	SA1C (615mA)	SA1D (800mA)	SA1E (1050mA)	SA1F (1200mA)	SA2A (350mA)	SA2B (450mA)	SA2C (615mA)	SA2D (800mA)	SA2E (1050mA)
Power Wattage (Watts)*	18W	24W	32W	44W	59W	67W	37W	47W	64W	84W	111W
Input Current (mA) @120V	150	200	270	370	490	564	320	400	538	700	925
Input Current (mA) @277V	72	90	120	162	210	251	150	184	236	303	397
Power Wattage (Watts)*	21W	26.5W	35W	47W	61.5W	72W	42W	53W	70W	89W	116W
Input Current (mA) @347V	63	78	100	135	180	210	123	154	201	257	335
Input Current (mA) @480V	45	57	75	99	131	153	90	113	147	188	245

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 (TM-21)

Ambient Temperature	25,000 hours*	50,000 hours*	60,000 hours*	100,000 hours**	Theoretical L70 (Hours)**
25°C	94.4%	90.4%	89.0%	83.0%	>199,000
40°C	94.6%	90.9%	89.4%	83.9%	>212,000
50°C	91.8%	87.0%	85.2%	78.2%	>151,000

NOTES:

* Supported by IESTM-21 standards

** Theoretical values represent estimations commonly used; however, refer to the IES position on LED Product Lifetime Prediction, IES PS-10-18, that explains proper use of IESTM-21 and LM-80.

Energy and Performance Data

VA Performance

[Supplemental Performance Guide](#)

CCT	Optics		VA1	VA2	VA3	VA4	VA5	VA6
730	T2 (Type II)	Lumens	2,709	3,627	4,290	5,519	--	--
		Lumens per Watt	90.9	90	89	85	--	--
		BUG Rating	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	--	--
	T3 (Type III)	Lumens	2,765	3,701	4,377	5,631	--	--
		Lumens per Watt	92	90	90	87.2	--	--
		BUG Rating	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	--	--
	T4FT (Type IV Forward Throw)	Lumens	3,230	4,368	5,116	6,257	--	--
		Lumens per Watt	107	107	104	97	--	--
		BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G2	--	--
	T4W (Type IV Wide)	Lumens	3,122	4,254	5,049	6,140	7,720	9,785
		Lumens per Watt	108	109	108	107	104	96.8
		BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3
740	T2 (Type II)	Lumens	2,794	3,741	4,424	5,692	--	--
		Lumens per Watt	93.8	92	92	88	--	--
		BUG Rating	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	--	--
	T3 (Type III)	Lumens	2,851	3,817	4,514	5,807	--	--
		Lumens per Watt	95	93	92	89.9	--	--
		BUG Rating	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	--	--
	T4FT (Type IV Forward Throw)	Lumens	3,332	4,505	5,276	6,453	--	--
		Lumens per Watt	110	111	108	99.9	--	--
		BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	--	--
	T4W (Type IV Wide)	Lumens	3,220	4,388	5,207	6,332	7,961	10,091
		Lumens per Watt	111	112	111	110	107	99.8
		BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3

Energy and Performance Data

SA Performance

[Supplemental Performance Guide](#)

CCT	Optics		SA1A (350mA)	SA1B (450mA)	SA1C (600mA)	SA1D (800 mA)	SA1E (1050mA)	SA1F (1200mA)	SA2A (350mA)	SA2B (450mA)	SA2C (600mA)	SA2D (800 mA)	SA2E (1050mA)
730	T1 (Type I)	Lumens	2,426	3,062	4,009	4,945	6,063	6,648	4,852	6,124	8,017	9,889	12,124
		Lumens per Watt	135	128	125	112	108	99	134	133	129	122	114
		BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3
	T2 (Type II)	Lumens	2,485	3,137	4,107	5,066	6,210	6,810	4,970	6,273	8,213	10,130	12,420
		Lumens per Watt	138	131	128	115	111	102	137	136	132	125	117
		BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2
	T2R (Type II Roadway)	Lumens	2,530	3,194	4,182	5,158	6,324	6,935	5,061	6,388	8,363	10,316	12,647
		Lumens per Watt	141	133	131	117	113	104	140	139	135	128	119
		BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2
	T3 (Type III)	Lumens	2,517	3,178	4,160	5,131	6,290	6,898	5,034	6,354	8,319	10,261	12,580
		Lumens per Watt	140	132	130	117	112	103	139	138	134	127	118
		BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2
	T3R (Type III Roadway)	Lumens	2,532	3,196	4,184	5,162	6,328	6,939	5,064	6,392	8,368	10,322	12,655
		Lumens per Watt	141	133	131	117	113	104	140	139	135	128	119
		BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2
	T4FT (Type IV Forward Throw)	Lumens	2,490	3,143	4,115	5,075	6,222	6,823	4,979	6,285	8,228	10,149	12,443
		Lumens per Watt	138	131	129	115	111	102	138	137	132	126	117
		BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3
	T4W (Type IV Wide)	Lumens	2,513	3,173	4,153	5,123	6,281	6,888	5,026	6,344	8,306	10,245	12,561
		Lumens per Watt	140	132	130	116	112	103	139	138	134	127	118
		BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3
	5WQ (Type V Square Wide)	Lumens	2,611	3,296	4,315	5,323	6,525	7,156	5,222	6,591	8,629	10,644	13,050
		Lumens per Watt	145	137	135	121	116	107	144	143	139	132	122
		BUG Rating	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B3-U0-G1	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2
	5MQ (Type V Square Medium)	Lumens	2,572	3,246	4,250	5,242	6,427	7,048	5,143	6,492	8,499	10,483	12,852
		Lumens per Watt	143	135	133	119	115	105	142	141	137	130	121
		BUG Rating	B2-U0-G0	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B4-U0-G2
	5NQ (Type V Square Narrow)	Lumens	2,592	3,273	4,284	5,285	6,479	7,105	5,185	6,544	8,568	10,568	12,956
		Lumens per Watt	144	136	134	120	115	106	143	142	138	131	122
		BUG Rating	B1-U0-G0	B1-U0-G0	B2-U0-G0	B2-U0-G1	B2-U0-G1	B2-U0-G1	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1
	SL2 (Type II w/Spill Control)	Lumens	2,466	3,112	4,075	5,026	6,162	6,757	4,931	6,224	8,148	10,051	12,322
		Lumens per Watt	137	130	127	114	110	101	136	135	131	124	116
		BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3
	SL3 (Type III w/Spill Control)	Lumens	2,463	3,109	4,071	5,021	6,156	6,751	4,926	6,218	8,141	10,041	12,311
		Lumens per Watt	137	130	127	114	110	101	136	135	131	124	115
		BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3
	SL4 (Type IV w/Spill Control)	Lumens	2,441	3,082	4,034	4,976	6,101	6,690	4,882	6,163	8,068	9,952	12,201
		Lumens per Watt	136	128	126	113	109	100	135	134	130	123	114
		BUG Rating	B0-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3
	RW (Rect- angular Wide Type I)	Lumens	2,534	3,199	4,188	5,166	6,333	6,945	5,068	6,397	8,375	10,331	12,665
		Lumens per Watt	141	133	131	117	113	104	140	139	135	128	119
		BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3
	AFL (Au- tomotive Frontline)	Lumens	2,514	3,174	4,155	5,125	6,283	6,890	5,028	6,346	8,309	10,249	12,565
		Lumens per Watt	140	132	130	116	112	103	139	138	134	127	118
		BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B2-U0-G2

Energy and Performance Data

SA Performance

[Supplemental Performance Guide](#)

CCT	Optics		SA1A (350mA)	SA1B (450mA)	SA1C (600mA)	SA1D (800 mA)	SA1E (1050mA)	SA1F (1200mA)	SA2A (350mA)	SA2B (450mA)	SA2C (600mA)	SA2D (800 mA)	SA2E (1050mA)
740	T1 (Type I)	Lumens	2,664	3,363	4,403	5,431	6,658	7,301	5,328	6,725	8,804	10,860	13,315
		Lumens per Watt	148	140	138	123	119	109	147	146	142	134	125
		BUG Rating	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4
	T2 (Type II)	Lumens	2,729	3,445	4,510	5,563	6,820	7,479	5,458	6,889	9,019	11,125	13,639
		Lumens per Watt	152	144	141	126	122	112	151	150	145	138	128
		BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3
	T2R (Type II Roadway)	Lumens	2,779	3,508	4,592	5,665	6,945	7,616	5,558	7,015	9,184	11,328	13,889
		Lumens per Watt	154	146	144	129	124	114	154	153	148	140	130
		BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2
	T3 (Type III)	Lumens	2,764	3,489	4,568	5,635	6,908	7,576	5,528	6,978	9,135	11,269	13,815
		Lumens per Watt	154	145	143	128	123	113	153	152	147	139	130
		BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2
	T3R (Type III Roadway)	Lumens	2,781	3,510	4,595	5,668	6,949	7,620	5,561	7,019	9,190	11,335	13,897
		Lumens per Watt	154	146	144	129	124	114	154	153	148	140	130
		BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G3
	T4FT (Type IV Forward Throw)	Lumens	2,734	3,451	4,518	5,573	6,833	7,493	5,468	6,902	9,036	11,146	13,665
		Lumens per Watt	152	144	141	127	122	112	151	150	146	138	128
		BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3
	T4W (Type IV Wide)	Lumens	2,760	3,484	4,561	5,626	6,897	7,564	5,520	6,967	9,121	11,251	13,794
		Lumens per Watt	153	145	143	128	123	113	152	151	147	139	129
		BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3
	5WQ (Type V Square Wide)	Lumens	2,867	3,620	4,739	5,845	7,166	7,858	5,735	7,238	9,476	11,689	14,331
		Lumens per Watt	159	151	148	133	128	117	158	157	153	145	134
		BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G3
	5MQ (Type V Square Medium)	Lumens	2,824	3,565	4,667	5,757	7,057	7,739	5,648	7,129	9,333	11,512	14,114
		Lumens per Watt	157	149	146	131	126	116	156	155	150	142	132
		BUG Rating	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2
	5NQ (Type V Square Narrow)	Lumens	2,847	3,594	4,705	5,803	7,115	7,802	5,694	7,187	9,409	11,606	14,228
		Lumens per Watt	158	150	147	132	127	116	157	156	152	144	133
		BUG Rating	B1-U0-G0	B2-U0-G0	B2-U0-G1	B2-U0-G1	B2-U0-G1	B3-U0-G1	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2
	SL2 (Type II w/Spill Control)	Lumens	2,708	3,418	4,475	5,519	6,767	7,420	5,415	6,835	8,948	11,038	13,532
		Lumens per Watt	150	142	140	125	121	111	150	149	144	137	127
		BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3
	SL3 (Type III w/Spill Control)	Lumens	2,705	3,415	4,470	5,514	6,760	7,413	5,410	6,829	8,940	11,027	13,519
		Lumens per Watt	150	142	140	125	121	111	149	148	144	136	127
		BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G2	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3
	SL4 (Type IV w/Spill Control)	Lumens	2,681	3,384	4,431	5,465	6,700	7,347	5,362	6,768	8,860	10,929	13,399
		Lumens per Watt	149	141	138	124	119	110	148	147	143	135	126
		BUG Rating	B0-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G3
	RW (Rect- angular Wide Type I)	Lumens	2,783	3,513	4,599	5,673	6,955	7,627	5,566	7,025	9,197	11,345	13,909
		Lumens per Watt	155	146	144	129	124	114	154	153	148	140	130
		BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3
	AFL (Au- tomotive Frontline)	Lumens	2,761	3,485	4,563	5,628	6,900	7,566	5,522	6,969	9,124	11,255	13,798
		Lumens per Watt	153	145	143	128	123	113	153	152	147	139	129
		BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2

Control Options

0-10V

This fixture is offered standard with 0-10V dimming driver(s).

Photocontrol Options

Optional button-type photocontrol (BPC) and photocontrol receptacles (PR and PR7) 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 PR7 receptacle.

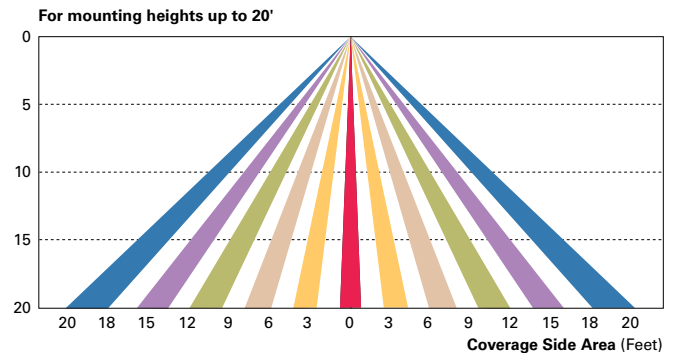
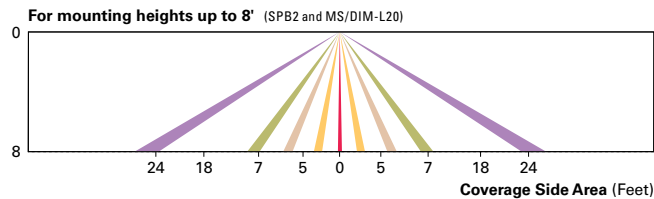
After Hours Dim (AHD)

This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a "dusk-to-dawn" period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

Dimming Occupancy Sensor (SPB and MS/DIM)

These sensors are factory installed in the luminaire, dimming after five minutes of no motion detected. When motion is detected, the luminaire output is 100%. Includes an integral photocell that can be programmed for "dusk-to-dawn" operation. 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 MS/DIM requires the FSIR-100 programming tool to adjust factory defaults. Two lens options provide optimal coverage patterns for mounting heights up to 20'.

SPB sensor finish matched to luminaire finish		
Luminaire Finish		SPB Sensor Finish
WH	White	White
BK	Black	Black
GM	Graphite Metallic	Black
BZ	Bronze	Bronze
AP	Gray	Gray
DP	Dark Platinum	Gray



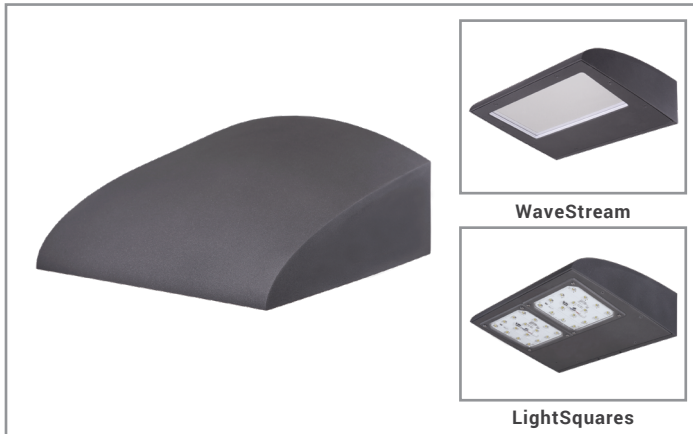
WaveLinx Wireless Control and Monitoring System

Operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. WaveLinx (WPS2 to WPS4) outdoor wireless sensors offer passive infrared (PIR) occupancy and photocell for closed loop daylight harvesting, and can be factory or field-installed. Sensors are factory preset to dim down to 50% after 15 minutes of no motion detected. Two lens options are available for mounting heights of 7' to 40'. 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 Wireless Outdoor Lighting Control Module (WOLC-7P-10A)

The 7-pin wireless outdoor lighting control module enables WaveLinx to control outdoor area, site and flood lighting. WaveLinx controls outdoor lighting using schedules to provide ON, OFF and dimming controls based on astronomic or time schedules based on a 7 day week.

Project		Catalog #		Type	
Prepared by		Notes		Date	



Invue

ClearCurve Wall

Wall Mount Luminaire

Product Features



Product Certifications



Interactive Menu

- Ordering Information [page 2](#)
- Product Specifications [page 3](#)
- Energy and Performance Data [page 3](#)
- Control Options [page 8](#)

Quick Facts

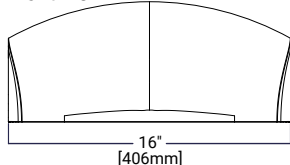
- Available with Visual Comfort or Discrete optics configurations
- Lumen packages from 1,600 to over 14,000 lumens (18W to 110W)
- Efficacy up to 157 lumens per watt
- Available with internal battery for emergency lighting

Connected Systems

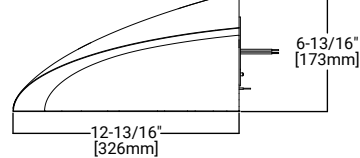
- WaveLinX PRO Wireless

Dimensional Details

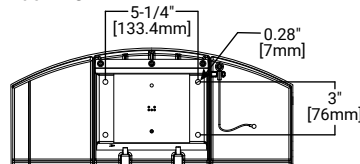
Front View



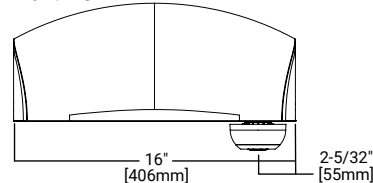
Side View



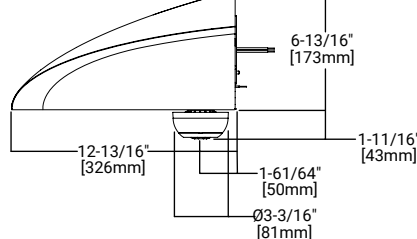
Back View



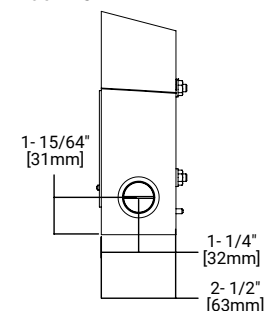
Front View



Side View



Back Box



NOTES:

1. Visit <https://www.designlights.org/search/> to confirm qualification. Not all product variations are DLC qualified.

Ordering Information

SAMPLE NUMBER: CCW-VA4-740-U-T4W-GM

Product Family ¹	Light Engine		Color Temperature	Voltage	Distribution	Finish
	Visual Comfort Configurations					
CCW =ClearCurve Wall BAA-CCW =ClearCurve Wall Buy American Act Compliant ²⁸ TAA-CCW =ClearCurve Wall Trade Agreements Act Compliant ²⁸	VA1 =Wavestream, 2,800 lumens VA2 =Wavestream, 3,800 lumens VA3 =Wavestream, 4,500 lumens VA4 =Wavestream, 6,000 lumens VA5 =Wavestream, 8,000 lumens ² VA6 =Wavestream, 10,000 lumens ²		727 =70CRI, 2700K 730 =70CRI, 3000K 735 =70CRI, 3500K 740 =70CRI, 4000K 750 =70CRI, 5000K 760 =70CRI, 6000K 827 =80CRI, 2700K 830 =80CRI, 3000K 835 =80CRI, 3500K 840 =80CRI, 4000K 850 =80CRI, 5000K AMB =Amber 590nm ²⁴	U =Universal, 120-277V 1 =120V 2 =208V 3 =240V 4 =277V 8 =480V ⁴ 9 =347V	T1 =Type I ⁵ T2 =Type II T3 =Type III T4FT =Type IV Forward Throw T4W =Type IV Wide SL2 =Type II w/Spill Control ⁵ SL3 =Type III w/Spill Control ⁵ SL4 =Type IV w/Spill Control ⁵ SLL =90° Spill Light Eliminator Left ⁵ SLR =90° Spill Light Eliminator Right ⁵	AP =Grey BZ =Bronze BK =Black DP =Dark Platinum GM =Graphite Metallic WH =White
	Discrete Configurations	Drive Current				
	SA1 =1 Light Square SA2 =2 Light Squares	A =350mA B =450mA C =615mA D =800mA E =1050mA F =1200mA ³				
Options (Add as Suffix)				Accessories (Order Separately)		
F = Single Fuse (120V, 277V or 347V. Must Specify Voltage) FF = Double Fuse (208, 240, or 480V. Must Specify Voltage) 10MSP = 10kV MOV Surge Protective Device 20MSP = 20kV MOV Surge Protective Device 20K = 20kV UL 1449 Fused Surge Protective Device 2L = Two Circuits ^{5, 6} L90 = Optics Rotated 90° Left ⁵ R90 = Optics Rotated 90° Right ⁵ HSS = House Side Shield (Factory Installed) ^{5, 9} C1 = 1/2" NPT Double Conduit Entry C2 = 3/4" NPT Double Conduit Entry HA = 50°C High Ambient Temperature ¹⁰ TR = Tamper Resistant Hardware CC = Coastal Construction ¹¹ DALI = DALI Driver BPC = Button Type Photocontrol ¹² PR = NEMA 3-PIN Twistlock Photocontrol Receptacle ¹⁴ PR7 = NEMA 7-PIN Twistlock Photocontrol Receptacle ¹⁴ AHD145 = After Hours Dim, 5 Hours ¹⁵ AHD245 = After Hours Dim, 6 Hours ¹⁵ AHD255 = After Hours Dim, 7 Hours ¹⁵ AHD355 = After Hours Dim, 8 Hours ¹⁵ MS/DIM-L08 = Motion Sensor for Dimming Operation, Up to 8' Mounting Height ^{12, 16} MS/DIM-L20 = Motion Sensor for Dimming Operation, 9' - 20' Mounting Height ^{12, 16} SPB1 = Motion Sensor for Dimming Operation, BLE Interface, Up to 8' Mounting Height ^{12, 17} SPB2 = Motion Sensor for Dimming Operation, BLE Interface, 8' - 20' Mounting Height ^{12, 17} WPS2XX = WaveLinX Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting ^{12, 18, 19, 20} ; replace XX with sensor color (WH, BZ or BK) WPS4XX = WaveLinX Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting ^{12, 18, 19, 20} ; replace XX with sensor color (WH, BZ or BK) UPL = Uplight fixture ⁵ FADC = Field Adjustable Dimming Control ²⁵ NAT = Natatorium qualified ¹¹ X = No surge protector EMERGENCY OPTIONS (choose only one) EBP = Emergency Battery Pack (Ambient Temp, 0° to 40°C) ^{7, 8, 13, 26} CBP = Cold Weather Emergency Battery Pack (Ambient Temp, -20° to 40°C) ^{7, 8, 13, 26} CBP-CEC = Cold Weather Emergency Battery Pack, CEC Compliant (Ambient Temp, -20° to 40°C) ^{7, 8, 13, 26} ITS = Internal Transfer Switch, UL Recognized Component ^{7, 13}				OA/RA1013 = Photocontrol Shorting Cap OA/RA1014 = NEMA Photocontrol - 120V OA/RA1016 = NEMA Photocontrol - Multi-Tap 105-285V OA/RA1201 = NEMA Photocontrol - 347V OA/RA1027 = NEMA Photocontrol - 480V WRGX = Wireguard for qty "X" Lightsquares ⁵ BB/CCXX = Back Box with 3/4 NPT (replace XX with color selection) BB-BPC/CCXX = Back Box with 3/4 NPT and button PC (replace XX with color selection) ^{12, 25} LS/HSS = House Side Shield ^{5, 21} FSIR-100 = Wireless Configuration Tool for Motion Sensor ²² WOLC-7P-10A = WaveLinX Outdoor Control Module (7-PIN) ²³ BB-ZW/CCXX = Back Box with 3/4" NPT and Wavelinx enabled 4-PIN Twistlock Receptacle (replace XX with color selection) ²⁵ BB-FADC/CCXX = Field Adjustable Dimming Control (replace XX with color selection) ²⁵ POLE-MT-kit-XX = Pole Mount Arm (replace XX with color selection to match fixture)		
NOTES: 1. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details. 2. Only available with Type IV Wide (T4W) distribution. 3. Not available with 2 Light Squares (SA2x). 4. 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). 5. Not available with Visual Comfort Light Engines (VAX) 6. Not available with 1 Light Square (SA1x). 7. Not available with other emergency options (EBP, CBP, CBP-CEC, or ITS). 8. Universal (120-277V), 120V, or 277V only. 9. Light Square trim plate will be painted Black when HSS option is selected. 10. Not available with VA6 or SA2E Light Engine. Not available with emergency options (EBP, CBP, or CBP-CEC). Not available with AMB (amber leds) 11. Light Square configuration only. The finish is tested per ASTM B117. Scribe rating of 7 per ASTM D1654. 12. Must specify voltage 120, 208, 240 or 277V. 13. Not available with VA6 or SA2E Light Engines. 14. If 347-480V (H) or 277-480V (C) voltage is specified, use a photocontrol that matches the input voltage used (either 277V, 347V, or 480V). 15. Requires the use of BPC photocontrol or the PR7 or PR photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental guide for additional information. 16. Utilizes the Wattstopper sensor FSP-211. Sensor color white unless specified otherwise via ETO. 17. Utilizes the Wattstopper sensor FSP-3x1. Sensor color determined by product finish. See reference table. 18. Sensor passive infrared (PIR) may be overly sensitive when operating below -20°C (-4°F). 19. In order for the 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. 20. Not available with Back Box. 21. Must order one per Light Square when ordering as a field-installable accessory (1 or 2). 22. 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. 23. Requires 7-PIN NEMA twistlock photocontrol receptacle (PR7) option. The WOLC-7 cannot be used in conjunction with other controls systems (MS). Only for use at 120-347V. 24. Use for wildlife and observatory (Narrow-band 590nm +/- 5nm). Choose drive current B for SA1 or SA2. Choose lumen package VA2 for T2, T3, and T4FT, choose VA5 for T4W. Not available with 2L option. 25. Not available with DALI, PR7, MS/DIM, SPB1, SPB2, WPS (any sensors or network dimming control devices). 26. Battery systems are UL924 Listed 27. 2L not available with FF, AHD or DALI options. Controls and/or battery packs operate only one of the two circuits when 2L is specified. 2L with controls options not available with 347V or 480V. 28. Product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.						

Product Specifications

Construction

- Low copper content, die-cast aluminum housing provides a clean smooth aesthetic
- Patent pending housing design
- IP66 rated

Optics

- Visual Comfort WaveStream™ technology or high-efficiency injection-molded AccuLED
- Comprehensive range of Color Temperature choices
- Visual Comfort - Four optical distributions utilizing patented visual comfort WaveStream™ technology
- Visual Comfort - 6 lumen packages, ranging from 2,800 to 10,000 lumens
- AccuLED – 18 distributions including HSS shielding
- AccuLED – 11 lumen packages, ranging from 1,600 to 12,000 lumens
- AccuLED - Patented, high-efficiency injection molded AccuLED Optics technology

Electrical

- Approx. 90% lumen maintenance at 60,00 hours
- 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation
- 10kV surge module standard
- 10MSP, 20MSP, 20kv and X are optional
- Standard with 0-10V dimming
- Suitable for operation in -40°C to 40°C ambient environment
- Optional 50°C high ambient (HA) configurations available

Mounting

- Gasketed and zinc plated rigid steel mounting attachment
- “Hook-N-Lock” mechanism for easy installation
- Back box accessory available for post-construction installation.

Finish

- Finishes include white, black, bronze, gray, dark platinum and graphite metallic
- RAL and custom color matches available
- Super housing durable TGIC polyester powder coat paint, 2.5 mil nominal thickness
- Coastal Construction (CC) and Natatorium (NAT) options available

Warranty

- Five year warranty

Approximate Fixture Weight

18.5 lbs

Energy and Performance Data

VA Performance

[Supplemental Performance Guide](#)

Lumen Package	VA1	VA2	VA3	VA4	VA5	VA6
Power Wattage (Watts)*	28.5W	41W	49W	58.6W	78W	106W
Input Current (mA) @120V	240	340	406	493	676	933
Input Current (mA) @277V	105	148	175	221	285	388
Power Wattage (Watts)*	31.5W	44W	53.5W	65W	83W	115W
Input Current (mA) @347V	93	125	155	188	237	321
Input Current (mA) @480V	67	92	114	138	175	243

SA Performance

[Supplemental Performance Guide](#)

Lumen Package	SA1A (350mA)	SA1B (450mA)	SA1C (615mA)	SA1D (800mA)	SA1E (1050mA)	SA1F (1200mA)	SA2A (350mA)	SA2B (450mA)	SA2C (615mA)	SA2D (800mA)	SA2E (1050mA)
Power Wattage (Watts)*	18W	24W	32W	44W	59W	67W	37W	47W	64W	84W	111W
Input Current (mA) @120V	150	200	270	370	490	564	320	400	538	700	925
Input Current (mA) @277V	72	90	120	162	210	251	150	184	236	303	397
Power Wattage (Watts)*	21W	26.5W	35W	47W	61.5W	72W	42W	53W	70W	89W	116W
Input Current (mA) @347V	63	78	100	135	180	210	123	154	201	257	335
Input Current (mA) @480V	45	57	75	99	131	153	90	113	147	188	245

Energy and Performance Data

VA Performance

[🔗 Supplemental Performance Guide](#)

CCT	Optics		VA1	VA2	VA3	VA4	VA5	VA6
730	T2 (Type II)	Lumens	2,709	3,627	4,290	5,519	--	--
		Lumens per Watt	90.9	90	89	85	--	--
		BUG Rating	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	--	--
	T3 (Type III)	Lumens	2,765	3,701	4,377	5,631	--	--
		Lumens per Watt	92	90	90	87.2	--	--
		BUG Rating	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	--	--
	T4FT (Type IV Forward Throw)	Lumens	3,230	4,368	5,116	6,257	--	--
		Lumens per Watt	107	107	104	97	--	--
		BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G2	--	--
	T4W (Type IV Wide)	Lumens	3,122	4,254	5,049	6,140	7,720	9,785
		Lumens per Watt	108	109	108	107	104	96.8
		BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3
740	T2 (Type II)	Lumens	2,794	3,741	4,424	5,692	--	--
		Lumens per Watt	93.8	92	92	88	--	--
		BUG Rating	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	--	--
	T3 (Type III)	Lumens	2,851	3,817	4,514	5,807	--	--
		Lumens per Watt	95	93	92	89.9	--	--
		BUG Rating	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	--	--
	T4FT (Type IV Forward Throw)	Lumens	3,332	4,505	5,276	6,453	--	--
		Lumens per Watt	110	111	108	99.9	--	--
		BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	--	--
	T4W (Type IV Wide)	Lumens	3,220	4,388	5,207	6,332	7,961	10,091
		Lumens per Watt	111	112	111	110	107	99.8
		BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3

Energy and Performance Data

SA Performance

[Supplemental Performance Guide](#)

CCT	Optics		SA1A (350mA)	SA1B (450mA)	SA1C (600mA)	SA1D (800 mA)	SA1E (1050mA)	SA1F (1200mA)	SA2A (350mA)	SA2B (450mA)	SA2C (600mA)	SA2D (800 mA)	SA2E (1050mA)
730	T1 (Type I)	Lumens	2426	3062	4009	4945	6063	6648	4852	6124	8017	9889	12124
		Lumens per Watt	135	128	125	112	108	99	134	133	129	122	114
		BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3
	T2 (Type II)	Lumens	2485	3137	4107	5066	6210	6810	4970	6273	8213	10130	12420
		Lumens per Watt	138	131	128	115	111	102	137	136	132	125	117
		BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2
	T3 (Type III)	Lumens	2517	3178	4160	5131	6290	6898	5034	6354	8319	10261	12580
		Lumens per Watt	140	132	130	117	112	103	139	138	134	127	118
		BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2
	T4FT (Type IV Forward Throw)	Lumens	2490	3143	4115	5075	6222	6823	4979	6285	8228	10149	12443
		Lumens per Watt	138	131	129	115	111	102	138	137	132	126	117
		BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3
	T4W (Type IV Wide)	Lumens	2513	3173	4153	5123	6281	6888	5026	6344	8306	10245	12561
		Lumens per Watt	140	132	130	116	112	103	139	138	134	127	118
		BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3
	SL2 (Type II w/Spill Control)	Lumens	2466	3112	4075	5026	6162	6757	4931	6224	8148	10051	12322
		Lumens per Watt	137	130	127	114	110	101	136	135	131	124	116
		BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3
	SL3 (Type III w/Spill Control)	Lumens	2463	3109	4071	5021	6156	6751	4926	6218	8141	10041	12311
		Lumens per Watt	137	130	127	114	110	101	136	135	131	124	115
		BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3
	SL4 (Type IV w/Spill Control)	Lumens	2441	3082	4034	4976	6101	6690	4882	6163	8068	9952	12201
		Lumens per Watt	136	128	126	113	109	100	135	134	130	123	114
		BUG Rating	B0-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3

Energy and Performance Data

SA Performance

[Supplemental Performance Guide](#)

CCT	Optics		SA1A (350mA)	SA1B (450mA)	SA1C (600mA)	SA1D (800 mA)	SA1E (1050mA)	SA1F (1200mA)	SA2A (350mA)	SA2B (450mA)	SA2C (600mA)	SA2D (800 mA)	SA2E (1050mA)
740	T1 (Type I)	Lumens	2664	3363	4403	5431	6658	7301	5328	6725	8804	10860	13315
		Lumens per Watt	148	140	138	123	119	109	147	146	142	134	125
		BUG Rating	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4
	T2 (Type II)	Lumens	2729	3445	4510	5563	6820	7479	5458	6889	9019	11125	13639
		Lumens per Watt	152	144	141	126	122	112	151	150	145	138	128
		BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3
	T3 (Type III)	Lumens	2764	3489	4568	5635	6908	7576	5528	6978	9135	11269	13815
		Lumens per Watt	154	145	143	128	123	113	153	152	147	139	130
		BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2
	T4FT (Type IV Forward Throw)	Lumens	2734	3451	4518	5573	6833	7493	5468	6902	9036	11146	13665
		Lumens per Watt	152	144	141	127	122	112	151	150	146	138	128
		BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3
	T4W (Type IV Wide)	Lumens	2760	3484	4561	5626	6897	7564	5520	6967	9121	11251	13794
		Lumens per Watt	153	145	143	128	123	113	152	151	147	139	129
		BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3
	SL2 (Type II w/Spill Control)	Lumens	2708	3418	4475	5519	6767	7420	5415	6835	8948	11038	13532
		Lumens per Watt	150	142	140	125	121	111	150	149	144	137	127
		BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3
	SL3 (Type III w/Spill Control)	Lumens	2705	3415	4470	5514	6760	7413	5410	6829	8940	11027	13519
		Lumens per Watt	150	142	140	125	121	111	149	148	144	136	127
		BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G2	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3
	SL4 (Type IV w/Spill Control)	Lumens	2681	3384	4431	5465	6700	7347	5362	6768	8860	10929	13399
		Lumens per Watt	149	141	138	124	119	110	148	147	143	135	126
		BUG Rating	B0-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G3

Energy and Performance Data

SA Performance

[Supplemental Performance Guide](#)

CCT	Optics		1A (350mA)	1B (450mA)	1C (600mA)	1D (800mA)	1E (1050mA)	1F (1200mA)	2A (350mA)	2B (450mA)	2C (600mA)	2D (800mA)	2E (1050mA)
740	SL4-HSS (Type III w/ Spill Control, House Side Shield)	Lumens	1,904	2,387	3,058	3,982	4,873	5,093	4,426	5,549	7,109	8,932	9,704
		Lumens per Watt	104.6	102	95.6	91.1	84.8	81.5	121.6	118.6	111.1	107.2	88.8
		BUG Rating	B0-U0-G1	B0-U0-G1	B0-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2
	SLR (90° Spill Light Eliminator Right)	Lumens	1,998	2,505	3,209	4,179	5,115	5,345	4,645	5,824	7,461	9,374	10,184
		Lumens per Watt	109.8	107.1	100.3	95.6	89	85.5	127.6	124.4	116.6	112.5	93.2
		BUG Rating	B0-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3
	SLR-HSS (90° Spill Light Eliminator Right, House Side Shield)	Lumens	1,657	2,077	2,661	3,465	4,240	4,432	3,851	4,828	6,185	7,771	8,443
		Lumens per Watt	91	88.8	83.1	79.3	73.7	70.9	105.8	103.2	96.6	93.3	77.2
		BUG Rating	B0-U0-G1	B0-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2
	SLL (90° Spill Light Eliminator Left)	Lumens	1,998	2,505	3,209	4,179	5,115	5,345	4,645	5,824	7,461	9,374	10,184
		Lumens per Watt	109.8	107.1	100.3	95.6	89	85.5	127.6	124.4	116.6	112.5	93.2
		BUG Rating	B0-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3
	SLL-HSS (90° Spill Light Eliminator Left, House Side Shield)	Lumens	1,657	2,077	2,661	3,465	4,240	4,432	3,851	4,828	6,185	7,771	8,443
		Lumens per Watt	91	88.8	83.1	79.3	73.7	70.9	105.8	103.2	96.6	93.3	77.2
		BUG Rating	B0-U0-G1	B0-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2

Energy and Performance Data

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 (TM-21)

Ambient Temperature	25,000 hours*	50,000 hours*	60,000 hours*	100,000 hours**	Theoretical L70 (Hours)**
25°C	94.4%	90.4%	89.0%	83.0%	>199,000
40°C	94.6%	90.9%	89.4%	83.9%	>212,000
50°C	91.8%	87.0%	85.2%	78.2%	>151,000

NOTES:

* Supported by IESTM-21 standards

** Theoretical values represent estimations commonly used; however, refer to the IES position on LED Product Lifetime Prediction, IES PS-10-18, that explains proper use of IESTM-21 and LM-80.

Control Options

0-10V

This fixture is offered standard with 0-10V dimming driver(s).

Photocontrol Options

Optional button-type photocontrol (BPC) and photocontrol receptacles (PR and PR7) 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 PR7 receptacle.

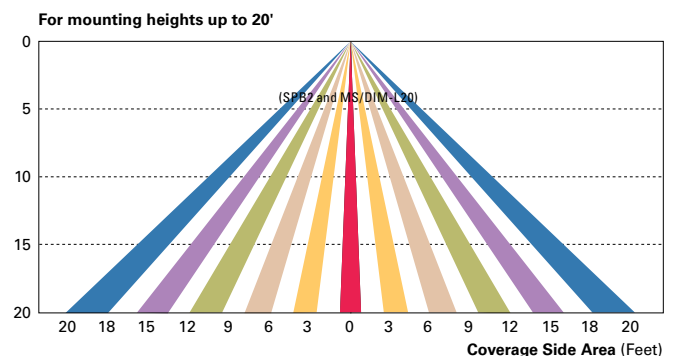
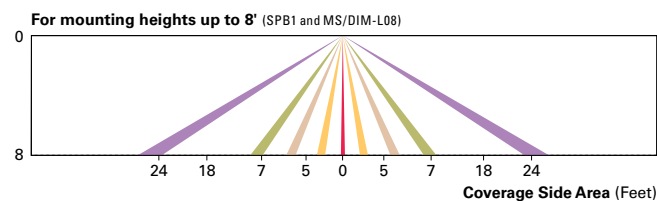
After Hours Dim (AHD)

This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a "dusk-to-dawn" period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

Dimming Occupancy Sensor (SPB and MS/DIM)

These sensors are factory installed in the luminaire, dimming after five minutes of no motion detected. When motion is detected, the luminaire output is 100%. Includes an integral photocell that can be programmed for "dusk-to-dawn" operation. 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 MS/DIM requires the FSIR-100 programming tool to adjust factory defaults. Two lens options provide optimal coverage patterns for mounting heights up to 20'.

SPB sensor finish matched to luminaire finish		
Luminaire Finish		SPB Sensor Finish
WH	White	White
BK	Black	Black
GM	Graphite Metallic	Black
BZ	Bronze	Bronze
AP	Gray	Gray
DP	Dark Platinum	Gray



WaveLinX Wireless Control and Monitoring System

Operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. WaveLinX (WPS2 to WPS4) outdoor wireless sensors offer passive infrared (PIR) occupancy and photocell for closed loop daylight harvesting, and can be factory or field-installed. Sensors are factory preset to dim down to 50% after 15 minutes of no motion detected. Two lens options are available for mounting heights of 7' to 40'. 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 Wireless Outdoor Lighting Control Module (WOLC-7P-10A)

The 7-pin wireless outdoor lighting control module enables WaveLinX to control outdoor area, site and flood lighting. WaveLinX controls outdoor lighting using schedules to provide ON, OFF and dimming controls based on astronomic or time schedules based on a 7 day week

Project		Catalog #		Type	
Prepared by		Notes		Date	



Lumark

Prevail Discrete LED

Area / Site Luminaire

Product Features



Product Certifications



Interactive Menu

- Ordering Information [page 2](#)
- Mounting Details [page 3, 4](#)
- Optical Configurations [page 5](#)
- Product Specifications [page 5](#)
- Energy and Performance Data [page 6](#)
- Control Options [page 8](#)

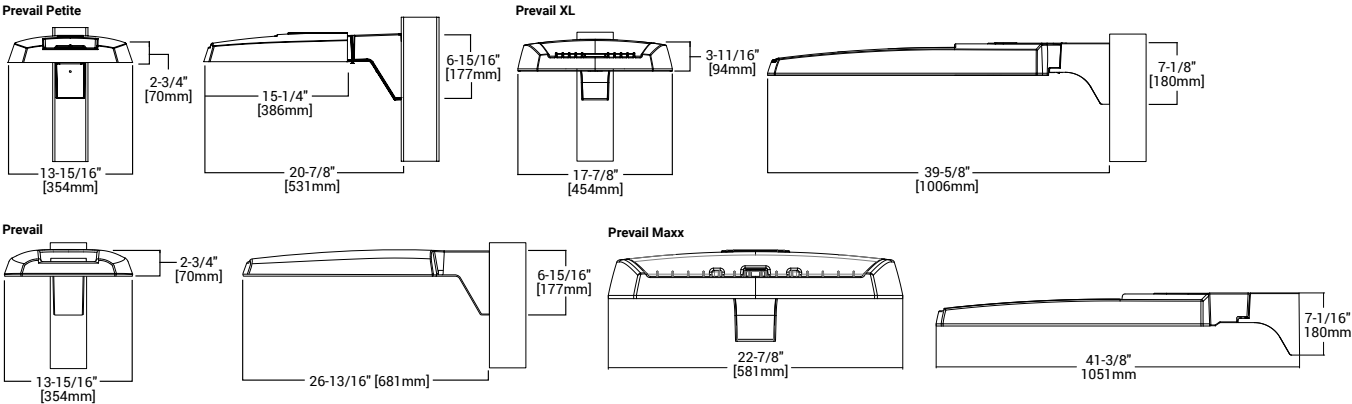
Quick Facts

- Direct-mounted discrete light engine for improved optical uniformity and visual comfort
- Lumen packages range from 4,300 - 68,000 nominal lumens (30W - 550W)
- Replaces 70W up to 1,000W HID equivalents
- Efficacies up to 157 lumens per watt
- Standard universal quick mount arm with universal drill pattern

Connected Systems

- WaveLinX PRO Wireless
- WaveLinX LITE Wireless

Dimensional Details



NOTES:
1. Visit <https://www.designlights.org/search/> to confirm qualification. Not all product variations are DLC qualified.
2. IDA Certified for 3000K CCT and warmer only.

Ordering Information

SAMPLE NUMBER: **PRV-XL-PA4B-740-U-T4W-BZ**

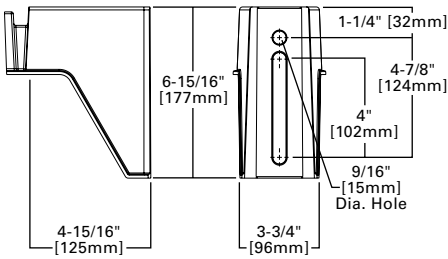
Product Family ^{1, 2}	Light Engine		Color Temperature	Voltage	Distribution	Mounting (Included)	Finish
	Configuration	Drive Current ⁴					
PRV-P =Prevail Petite BAA-PRV-P =Prevail Petite BAA Buy American Act Compliant ³ TAA-PRV-P =Prevail Petite TAA Trade Agreements Act Compliant ³	PA1 =1 Panel, 24 LED Rectangle	A =400mA Nominal B =700mA Nominal C =950mA Nominal D =1200mA Nominal	740 =70CRI, 4000K 730 =70CRI, 3000K 750 =70CRI, 5000K 8540 =85CRI, 4000K	U =Universal, 120-277V H =High Voltage, 347-480V 1=120V 2=208V 3=240V 4=277V 8=480V ⁵ 9=347V DV =DuraVolt, 277-480V ^{5, 6}	T2R =Type II Roadway T2U =Type II Urban T3 =Type III T4W =Type IV Wide 5WQ =Type V Square Wide	SA =QM Standard Versatile Arm MA =QM Mast Arm FMA =Fixed Mast Arm ²⁷ WM =QM Wall Mount Arm ADJA-WM = Adjustable Arm – Wall Mount ²⁹ ADJA =Adjustable Arm – Pole Mount ²⁹ ADJS =Adjustable Arm – Slipfitter, 3” vertical tenon ²⁹ SP2 =Adjustable Arm – Slipfitter, 2 3/8” vertical tenon ^{27, 29}	AP =Grey BZ =Bronze BK =Black DP =Dark Platinum GM =Graphite Metallic WH =White
PRV =Prevail BAA-PRV =Prevail BAA Buy American Act Compliant ³ TAA-PRV =Prevail TAA Trade Agreements Act Compliant ³	PA1 =1 Panel, 24 LED Rectangle PA2 =2 Panels, 48 LED Rectangles	A =700mA Nominal B =950mA Nominal					
PRV-XL =PRV XL BAA-PRV-XL =Prevail XL BAA Buy American Act Compliant ³ TAA-PRV-XL =Prevail XL TAA Trade Agreements Act Compliant ³	PA3 =3 Panels, 72 LED Rectangles PA4 =4 Panels, 96 LED Rectangles	A =750mA Nominal B =950mA Nominal					
PRV-M =Prevail Maxx BAA-PRV-M =Prevail Maxx BAA Buy American Act Compliant ³ TAA-PRV-M =Prevail Maxx TAA Trade Agreements Act Compliant ³	PA6 = 6 Panels, 144 LED Rectangles	A =600mA Nominal B =800mA Nominal C =1000mA Nominal D =1200mA Nominal					
Options (Add as Suffix)				Accessories (Order Separately) ^{20, 21}			
10K =10kV UL 1449 Fused Surge Protective Device 20MSP =20kV MOV Surge Protective Device 20K =20kV UL 1449 Fused Surge Protective Device F =Single Fuse (Used with Voltages 120, 277 or 347V) FF =Double Fuse (Used with Voltages 208, 240 or 480V) FADC =Field Adjustable Dimming Controller ³⁰ L90 =Optics Rotated 90° Left R90 =Optics Rotated 90° Right CC =Coastal Construction finish ⁹ HSS =House Side Shield (Factory Installed) ⁷ HA =50°C High Ambient Temperature ⁸ PR =NEMA 3-PIN Twistlock Photocontrol Receptacle ¹⁰ PR7 =NEMA 7-PIN Twistlock Photocontrol Receptacle ¹⁰ MS/DIM-L08 =Motion Sensor for Dimming Operation, Up to 8’ Mounting Height ^{11, 12, 13} MS/DIM-L20 =Motion Sensor for Dimming Operation, 9’ - 20’ Mounting Height ^{11, 12, 13} MS/DIM-L40 =Motion Sensor for Dimming Operation, 21’ - 40’ Mounting Height ^{11, 12, 13} SPB1 =Motion Sensor for Dimming Operation, BLE Interface, Up to 8’ Mounting Height ^{11, 14} SPB2 =Motion Sensor for Dimming Operation, BLE Interface, 8’ - 20’ Mounting Height ^{11, 14, 27, 28} SPB4 =Motion Sensor for Dimming Operation, BLE Interface, 21’ - 40’ Mounting Height ^{11, 14, 28}		WPS2XX =Wavelinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7’ - 15’ Mounting Height ^{11, 12, 15, 16, 17} WPS4XX =Wavelinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15’ - 40’ Mounting Height ^{11, 12, 15, 16, 17} WLS2XX =WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 7’ - 15’ Mounting Height ^{11, 12, 15, 16, 17} WLS4XX =WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 15’ - 40’ Mounting Height ^{11, 12, 15, 16, 17} (See Table Below) =LumenSafe Integrated Network Security Camera ^{18, 19}		PRVSA-XX =Standard Arm Mounting Kit ²² PRVMA-XX =Mast Arm Mounting Kit ²² PRVWM-XX =Wall Mount Kit ²² PRV-ADJA-XX =Adjustable Arm - Pole Mount Kit ²² PRV-ADJS-XX =Adjustable Arm - Slipfitter Kit ²² PRV-ADJA-WM-XX =Adjustable Arm - Wall Mount Kit ²² PRVXLSA-XX =Standard Arm Mounting Kit ²⁸ PRVXLMA-XX =Mast Arm Mounting Kit ²⁸ PRVXLWM-XX =Wall Mount Kit ²⁸ PRV-XL-ADJA-XX =Adjustable Arm - Pole Mount Kit ²⁸ PRV-XL-ADJA-WM-XX = Adjustable Arm - Wall Mount Kit ²⁸ PRV-XL-ADJS-XX = Adjustable Arm - Slipfitter Kit ²⁸ PRV-M-ADJA-XX =Adjustable Arm - Pole Mount Kit ²⁷ PRV-M-ADJS-XX =Adjustable Arm - Slipfitter Kit ²⁷ PRV-M-ADJA-WM-XX =Adjustable Arm - Wall Mount Kit ²⁷ MA1010-XX =Single Tenon Adapter for 3-1/2” O.D. Tenon MA1011-XX =2@180° Tenon Adapter for 3-1/2” O.D. Tenon		MA1017-XX =Single Tenon Adapter for 2-3/8” O.D. Tenon MA1018-XX =2@180° Tenon Adapter for 2-3/8” O.D. Tenon SRA238 =Tenon Adapter from 3” to 2-3/8” PRV/DIS-FDV =Full Drop Visor ²³ PRVXL/DIS-FDV =Full Drop Visor ¹⁸ HSS-VP =House Side Shield Kit, Vertical Panel ^{7, 24} HSS-HP =House Side Shield Kit, Horizontal Panel ^{7, 24} VGS-ARCH = Panel Drop Shield, Short VGL-ARCH = Panel Drop Shield, Long OA/RA1013 =Photocontrol Shorting Cap OA/RA1014 =NEMA Photocontrol - 120V OA/RA1016 =NEMA Photocontrol - Multi-Tap 105-285V OA/RA1201 =NEMA Photocontrol - 347V OA/RA1027 =NEMA Photocontrol - 480V FSIR-100 =Wireless Configuration Tool for Occupancy Sensor ²⁵ WOLC-7P-10A =WaveLinx Outdoor Control Module (7-PIN) ²⁶	
NOTES: 1. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details. 2. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for applications. Refer to installation instructions and pole white paper WP513001EN for additional support information. 3. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC.PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements. 4. Nominal drive currents shown here. For actual drive current by configuration, refer to Power and Lumens tables. 5. 480V not to be used with ungrounded or impedance grounded systems. 6. DuraVolt drivers feature added protection from power quality issues such as loss of neutral, transients and voltage fluctuations. Visit www.signify.com/duravolt for more information. 7. House Side Shield not for use with 5WQ distribution. 8. Not available with PATD light engine in Petite housing (PRV-P). 9. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654. 10. If High Voltage (H) or DuraVolt (DV) is specified, use a photocontrol that matches the input voltage used. 11. Controls system is not available in combination with a photocontrol receptacle (PR or PR7) or another controls system (MS SPB). 12. Option not available with High Voltage (H) or DuraVolt (DV). Must specify Universal (U), 347V (9), or 480V (8) voltage. 13. Utilizes the Wattstopper sensor FSP-211. Sensor color white unless specified otherwise via PDR. To field-configure, order FSIR-100 accessory separately. 14. Utilizes the Wattstopper sensor FSP-3XX series. Sensor color determined by product finish. See Sensor Color Reference Table. Field-configures via mobile application. See Controls section for details. 15. Sensor passive infrared (PIR) may be overly sensitive when operating below -20°C (-4°F).							
16. In order for the 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. 17. Replace XX with sensor color (WH, BZ or BK). 18. Only available in PRV-XL configurations. 19. Not available with High Voltage (H, DV, 8 or 9) or HA options. Consult LumenSafe system product pages for additional details and compatibility information. 20. Replace XX with paint color. 21. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information. 22. Not for use with PRV-XL or PRV-M configurations. 23. Only for use with PRV. Not applicable to PRV-M, PRV-XL, or PRV-P. 24. Must order one per optic/LED when ordering as a field-installable accessory (1, 2, 3, 4, or 6). Refer to House Side Shield reference table for details. 25. 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. 26. Requires 7-PIN NEMA twistlock photocontrol receptacle (PR7) option. The WOLC-7 cannot be used in conjunction with other controls systems (MS or LWR). Only for use at 120-347V. 27. Only available for PRV-M configurations. 28. Only for use with PRV-XL. 29. Fixed for PRV-M 30. Cannot be used with PR7 or other motion response control options.							

LumenSafe Integrated Network Security Camera Technology Options (Add as Suffix)

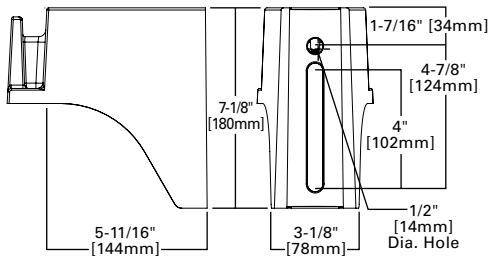
Product Family	Camera Type	Data Backhaul	
L =LumenSafe Technology 	H =Dome Camera, High Res Z =Dome Camera, Remote PTZ	C =Cellular, Customer Installed SIM Card A =Cellular, Factory Installed AT&T SIM Card V =Cellular, Factory Installed Verizon SIM Card	S =Cellular, Factory Installed Sprint SIM Card E =Ethernet Networking

Mounting Details

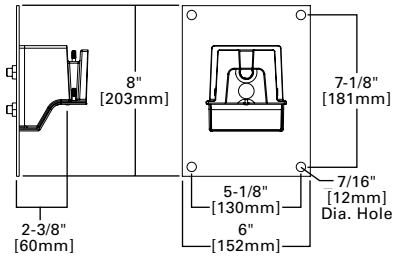
SA=QM Pole Mount Arm (PRV & PRV-P)



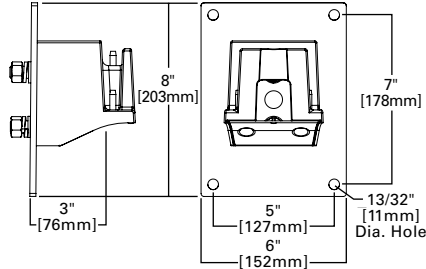
SA=QM Pole Mount Arm (PRV-XL)



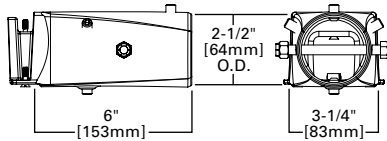
WM=QM Wall Mount Arm (PRV & PRV-P)



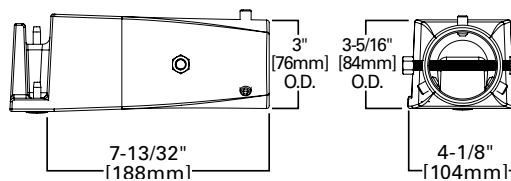
WM=QM Wall Mount Arm (PRV-XL)



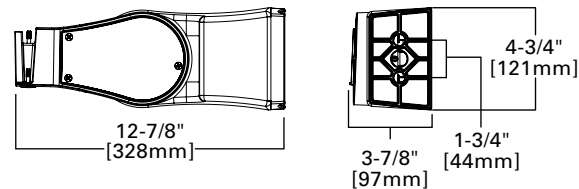
MA=QM Mast Arm (PRV & PRV-P)



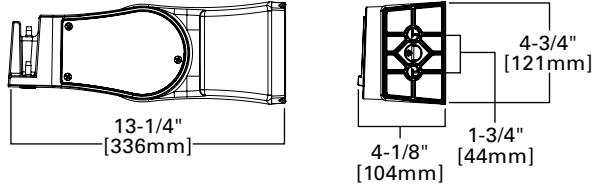
MA=QM Mast Arm (PRV-XL)



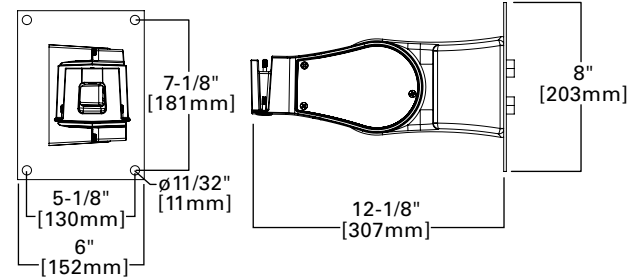
ADJA=Adjustable Arm Pole Mount (PRV & PRV-P)



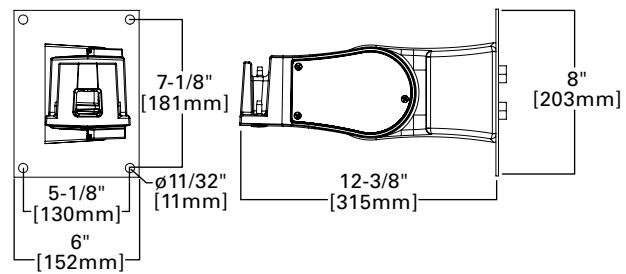
ADJA=Adjustable Arm Pole Mount (PRV-XL)



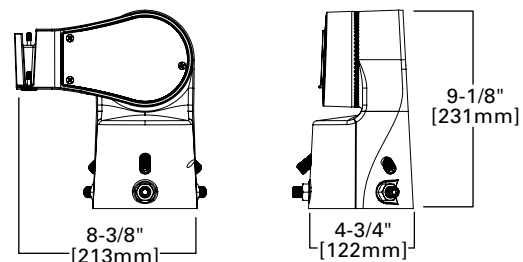
ADJA-WM=Adjustable Arm Wall Mount (PRV & PRV-P)



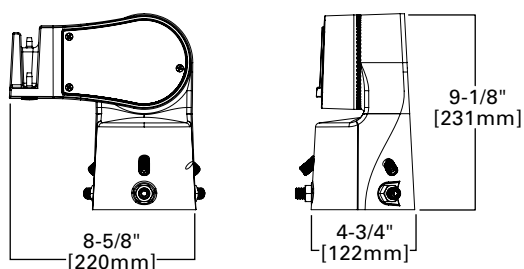
ADJA-WM=Adjustable Arm Wall Mount (PRV-XL)



ADJS=Adjustable Slipfitter 3 (PRV & PRV-P)

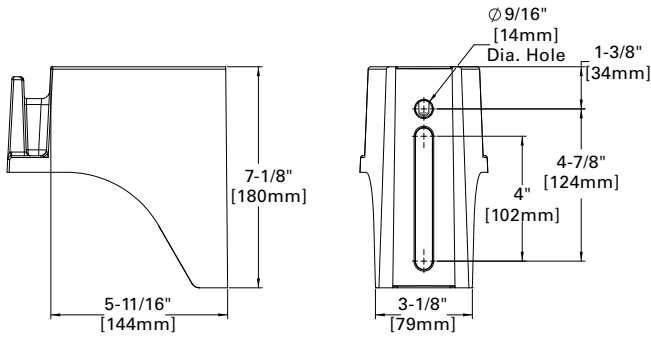


ADJS=Adjustable Slipfitter 3 (PRV-XL)

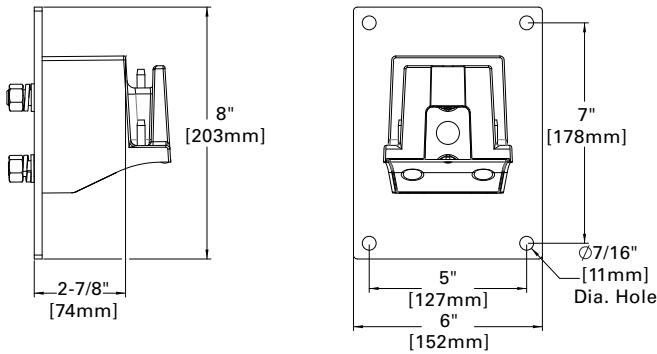


Mounting Details

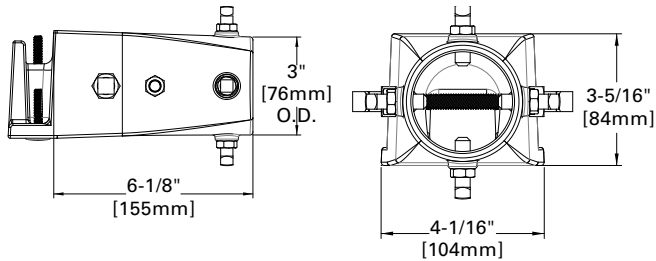
SA=QM Pole Mount Arm (PRV-M)



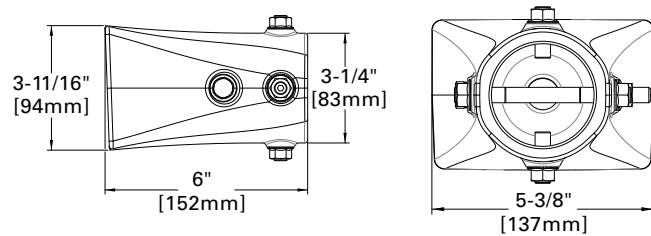
WM=QM Wall Mount Arm (PRV-M)



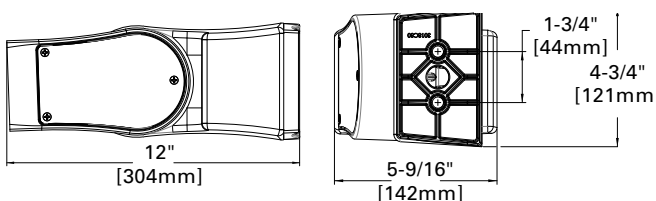
MA=QM Mast Arm (PRV-M)



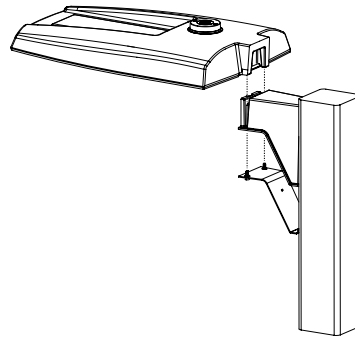
FMA=Fixed Mast Arm (PRV-M)



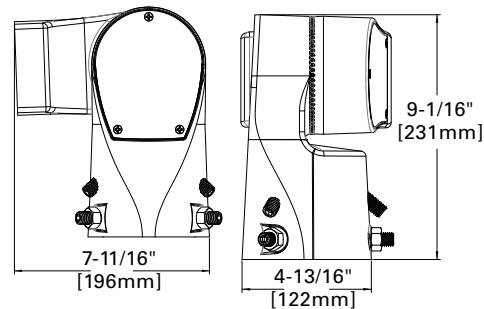
ADJA=Adjustable Pole Mount Arm (PRV-M)



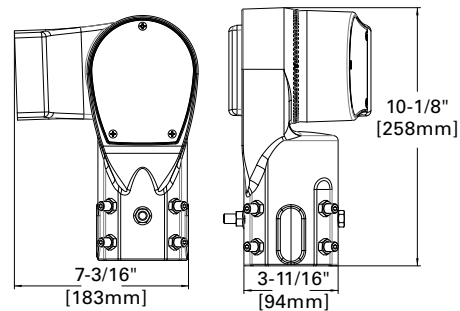
Versatile Mount System



ADJS=Adjustable Slipfitter (PRV-M)



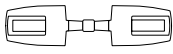
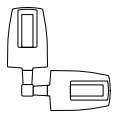
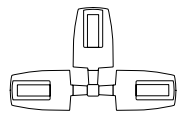
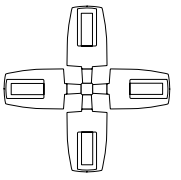
SP2=Adjustable Slipfitter 2-3/8\" (PRV-M)



Mounting Details

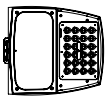
Mounting Configurations and EPAs

NOTE: For 2 PRV's mounted at 90°, requires minimum 3" square or 4" round pole for fixture clearance. For 2 PRV-XL's mounted at 90°, requires minimum 4" square or round pole for fixture clearance. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for applications

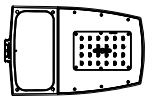
						
Housing Size	Tilt Angle (Degrees)	Arm Mount Single	Arm Mount 2 @ 180°	Arm Mount 2 @ 90°	Arm Mount 3 @ 90°	Arm Mount 4 @ 90°
Prevail Petite	0°	0.54	1.08	0.84	1.38	1.38
	60°	1.68	1.85	2.42	3.15	3.30
Prevail	0°	0.92	1.35	1.42	1.63	1.63
	60°	2.20	2.40	3.05	3.88	4.07
	60° + Full Drop Visor	2.20	2.40	3.25	4.28	4.47
Prevail XL	0°	1.12	2.25	2.13	2.52	2.52
	60°	3.99	4.30	5.26	6.51	6.79
	60° + Full Drop Visor	3.99	4.30	5.59	7.17	7.49
Prevail Maxx	0°	1.28	2.56	1.7	2.69	2.69
	60°	5.09	5.52	6.34	7.49	7.81

Optical Configurations

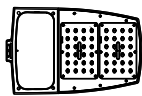
PRV-P-PA1X



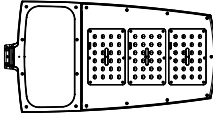
PRV-PA1X



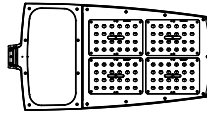
PRV-PA2X



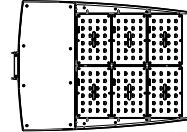
PRV-XL-PA3X



PRV-XL-PA4X



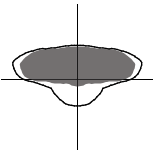
PRV-M-PA6X



Optical Distributions

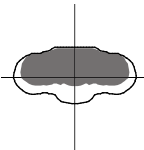
T2R

(Type II Roadway)



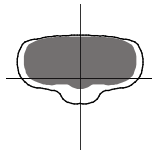
T2U

(Type II Urban)



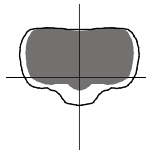
T3

(Type III)



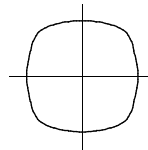
T4W

(Type IV Wide)



5WQ

(Type V Square Wide)



■ = Distribution with House Side Shield (HSS)
□ = Optical Distribution

Product Specifications

Construction

- Single-piece die-cast aluminum housing
- Tethered die-cast aluminum door

Optics

- Dark Sky Approved (3000K CCT and warmer only)
- Precision molded polycarbonate optics

Electrical

- 40°C minimum operating temperature
- 40°C maximum operating temperature
- >.9 power factor
- <20% total harmonic distortion
- Class 1 electronic drivers have expected life of 100,000 hours with <1% failure rate
- 0-10V dimming driver is standard with leads external to the fixture
- Standard MOV surge protective device designed to withstand 10kV of transient line surge

- Luminaire available with the field adjustable dimming controller (FADC) to manually adjust wattage and reduce the total lumen output and light levels; Comes pre-set to the highest position at the lumen output selected

Mounting

- Versatile, patented, standard mount arm accommodates multiple drill patterns ranging from 1-1/2" to 4-7/8" (Type M drilling recommended for new installations)
- A knock-out on the standard mounting arm enables round pole mounting
- Adjustable pole and wall mount arms adjust in 5° increments from 0° to 60°; Downward facing orientation only (Type N drilling required for ADJA mount)
- Adjustable slipfitter arm adjusts in 5° increments from -5° to 85°; Downward facing orientation only
- Prevail and Prevail Petite: 3G vibration rated (all arms)
- Prevail XL Mast Arm: 3G vibration rated

- Prevail XL Standard Arm: 1.5G vibration rated
- Adjustable Arms: 1.5G vibration rated

Finish

- Five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness
- Finish is compliant to 3,000 hour salt spray standard (per ASTM B117)

Typical Applications

- Parking lots, Walkways, Roadways and Building Areas

Shipping Data

- Prevail Petite: 18 lbs. (7.94 kgs.)
- Prevail: 20 lbs. (9.09 kgs.)
- Prevail XL: 45 lbs. (20.41 kgs.)
- Prevail Maxx: 49 lbs. (22.23 kgs.)

Warranty

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

Energy and Performance Data

Power and Lumens



View PRV-P IES files



View PRV IES files



View PRV-XL IES files

Product Family		Prevail Petite				Prevail				Prevail XL				Prevail Maxx			
Light Engine		PA1A	PA1B	PA1C	PA1D	PA1A	PA1B	PA2A	PA2B	PA3A	PA3B	PA4A	PA4B	PA6A	PA6B	PA6C	PA6D
Power (Watts)		31	53	72	93	54	74	113	151	172	234	245	303	274	366	457	544
Drive Current (mA)		375	670	930	1200	670	930	720	970	750	980	785	970	600	800	1000	1200
Input Current @ 120V (A)		0.26	0.44	0.60	0.78	0.45	0.62	0.93	1.26	1.44	1.95	2.04	2.53	2.30	3.05	3.83	4.54
Input Current @ 277V (A)		0.12	0.20	0.28	0.35	0.21	0.28	0.41	0.55	0.62	0.85	0.93	1.12	0.99	1.30	1.62	1.94
Input Current @ 347V (A)		0.10	0.17	0.23	0.29	0.17	0.23	0.33	0.45	0.52	0.70	0.74	0.90	0.78	1.05	1.32	1.60
Input Current @ 480V (A)		0.07	0.13	0.17	0.22	0.12	0.17	0.24	0.33	0.39	0.52	0.53	0.65	0.58	0.76	0.95	1.14
Distribution																	
Type II Roadway	4000K/5000K Lumens	4,505	7,362	9,495	11,300	7,605	9,896	15,811	19,745	24,718	30,648	34,067	39,689	41,611	52,596	61,921	67,899
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	147	139	132	121	141	134	141	131	144	131	139	131	152	144	135	125
	3000K Lumens ¹	4,103	6,705	8,647	10,291	6,926	9,012	14,399	17,982	22,511	27,912	31,025	36,145	37,896	47,900	56,392	61,837
Type II Roadway w/ HSS	4000K/5000K Lumens	3,727	6,091	7,855	9,349	6,006	7,815	12,487	15,594	19,521	24,204	26,094	31,334	32,874	41,553	48,919	53,642
	BUG Rating	B0-U0-G1	B0-U0-G2	B0-U0-G2	B1-U0-G2	B0-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B1-U0-G4	B1-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B2-U0-G5
	Lumens per Watt	121	115	109	100	111	106	111	103	113	103	107	103	120	114	107	99
	3000K Lumens ¹	3,394	5,547	7,154	8,514	5,470	7,117	11,372	14,201	17,778	22,043	24,502	28,545	29,939	37,843	44,552	48,853
Type II Urban	4000K/5000K Lumens	4,496	7,347	9,476	11,277	7,597	9,886	15,795	19,724	24,692	30,616	34,031	39,647	41,372	52,294	61,565	67,509
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	146	139	131	121	141	134	141	131	144	131	139	131	151	143	135	124
	3000K Lumens ¹	4,095	6,691	8,630	10,271	6,919	9,003	14,384	17,963	22,488	27,882	30,992	36,107	37,678	47,625	56,068	61,481
Type II Urban w/ HSS	4000K/5000K Lumens	3,253	5,316	6,856	8,160	5,297	6,893	11,013	13,753	17,217	21,347	23,728	27,644	28,951	36,594	43,082	47,241
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens per Watt	106	101	95	87	98	93	97	91	100	91	97	91	106	100	94	87
	3000K Lumens ¹	2,963	4,841	6,244	7,431	4,824	6,277	10,029	12,525	15,680	19,441	21,609	25,176	26,366	33,327	39,235	43,023
Type III	4000K/5000K Lumens	4,443	7,261	9,364	11,145	7,575	9,857	15,749	19,667	24,621	30,527	33,932	39,532	41,155	52,020	61,242	67,155
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	145	138	130	119	140	133	141	130	143	130	138	130	150	142	134	123
	3000K Lumens ¹	4,046	6,612	8,528	10,150	6,899	8,977	14,343	17,911	22,423	27,802	30,903	36,002	37,480	47,375	55,774	61,159
Type III w/ HSS	4000K/5000K Lumens	3,406	5,566	7,179	8,543	5,592	7,277	11,626	14,519	18,176	22,536	25,049	29,183	30,159	38,121	44,879	49,212
	BUG Rating	B0-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	111	105	100	91	104	98	103	96	106	96	102	96	110	104	98	90
	3000K Lumens ¹	3,102	5,069	6,538	7,781	5,093	6,627	10,588	13,222	16,553	20,524	22,813	26,578	27,466	34,717	40,872	44,818
Type IV Wide	4000K/5000K Lumens	4,348	7,106	9,164	10,906	7,484	9,738	15,560	19,431	24,325	30,161	33,525	39,057	41,207	52,086	61,320	67,240
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	142	135	127	117	139	132	139	129	141	129	137	129	151	142	134	124
	3000K Lumens ¹	3,960	6,471	8,346	9,932	6,816	8,869	14,170	17,696	22,153	27,468	30,531	35,570	37,528	47,435	55,845	61,236
Type IV Wide w/ HSS	4000K/5000K Lumens	3,318	5,422	6,993	8,323	5,420	7,053	11,268	14,072	17,617	24,843	24,279	28,286	30,005	37,926	44,650	48,961
	BUG Rating	B0-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B1-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	108	103	97	89	100	95	100	93	102	106	99	93	110	104	98	90
	3000K Lumens ¹	3,022	4,938	6,369	7,580	4,936	6,423	10,262	12,816	16,044	19,892	22,111	25,760	27,326	34,540	40,664	44,589
Type V Square Wide	4000K/5000K Lumens	4,497	7,349	9,478	11,280	7,831	10,190	16,281	20,332	25,453	31,559	35,079	40,868	42,947	54,285	63,909	70,079
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B3-U0-G2	B4-U0-G3	B4-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	146	139	131	121	145	138	145	135	148	135	143	135	157	143	136	129
	3000K Lumens ¹	4,095	6,693	8,632	10,273	7,132	9,280	14,827	18,517	23,180	28,741	31,947	37,219	39,112	49,438	58,203	63,822

NOTES:

1. For 3000K or HSS BUG Ratings, refer to published IES files

Energy and Performance Data

House Side Shield Reference Table

Product Family		Prevail	Prevail		Prevail XL		Prevail Maxx
Light Engine		PA1	PA1	PA2	PA3	PA4	PA6
Rotated Optics	Standard	HSS-HP (Qty 1)	HSS-VP (Qty 1)	HSS-HP (Qty 2)	HSS-HP (Qty 3)	HSS-VP (Qty 4)	HSS-HP (qty 6)
	L90 or R90 option	HSS-VP (Qty 1)	HSS-HP (Qty 1)	HSS-VP (Qty 2)	HSS-VP (Qty 3)	HSS-HP (Qty 4)	HSS-VP (qty 6)

Sensor Color Reference Table (SPBx)

Housing Finish	Sensor Color
AP=Grey	Grey
BZ=Bronze	Bronze
BK=Black	Black
DP=Dark Platinum	Grey
GM=Graphite Metallic	Black
WH=White	White

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

FADC Settings

FADC Postion	Percent of Typical Lumen Output
1	25%
2	48%
3	55%
4	62%
5	72%
6	77%
7	82%
8	85%
9	90%
10	100%

Note: +/-5% typical value

Lumen Maintenance

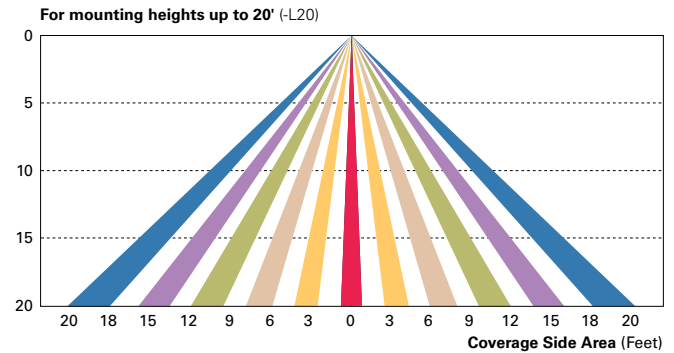
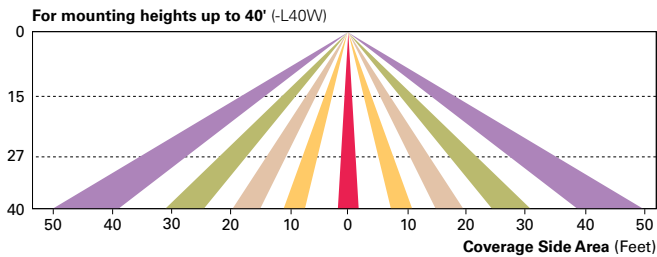
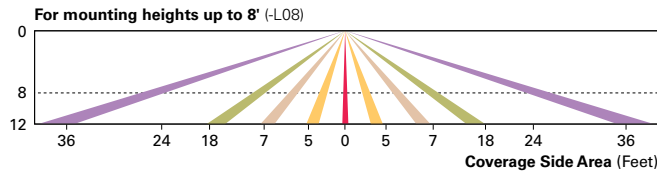
Ambient Temperature	TM-21 Lumen Maintenance (78,000 Hours)	Theoretical L70 (Hours)
Up to 50°C	96.76%	> 896,000

Control Options

0-10V This fixture provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

Photocontrol (PR and PR7) 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 PR7 receptacle.

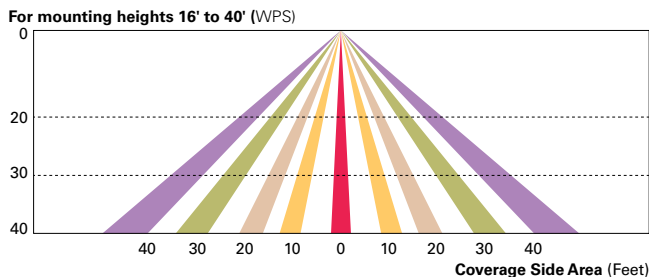
Dimming Occupancy Sensor (SPB, MS/DIM-LXX) These sensors are factory installed in the luminaire housing. When the SPB or MS/DIM sensor options are selected, the luminaire will dim down after five minutes of no activity detected. When activity is detected, the luminaire returns to full light output. These occupancy sensors include an integral photocell for "dusk-to-dawn" control or "daylight harvesting." Factory default is enabled for the MS sensors and disabled for the SPB. 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.



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. 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 PRO Wireless Sensor (WPS2 and WPS4) These outdoor sensors offer passive infrared (PIR) occupancy sensing 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, and the photocell for "dusk-to-dawn" control is default enabled. A variety of sensor lenses are available to optimize the coverage pattern for mounting heights from 7'-40'.



LumenSafe (LD) The LumenSafe integrated network camera is a streamlined, outdoor-ready camera that provides high definition video surveillance. This IP camera solution is optimally designed to integrate into virtually any video management system or security software platform of choice. No additional wiring is needed beyond providing line power to the luminaire. LumenSafe features factory-installed power and networking gear in a variety of networking options allowing security integrators to design the optimal solution for active surveillance.