Prevail XL

Prevail

Prevail Petite

Lumark

Prevail Discrete LED

Area / Site Luminaire

Product Features

LumenSafe Technology

Interactive Menu

Quick Facts

- Direct-mounted discrete light engine for improved optical uniformity and visual comfort
- Lumen packages range from 4,300 - 41,000 nominal lumens (30W - 300W)
- Replaces 70W up to 1,000W HID equivalents
- Efficacies up to 148 lumens per watt
- Standard universal quick mount arm with universal drill pattern

Product Certifications

Connected Systems

- WaveLinx

Dimensional Details

Prevail Petite

2-3/4" [70mm]

13-15/16" [354mm]

15-1/4" [386mm]

6-15/16" [177mm]

20-7/8" [531mm]

Prevail

2-3/4" [70mm]

13-15/16" [354mm]

26-13/16" [681mm]

6-15/16" [177mm]

Prevail XL

3-11/16" [94mm]

17-7/8" [454mm]

39-5/8" [1006mm]

7-1/8" [180mm]
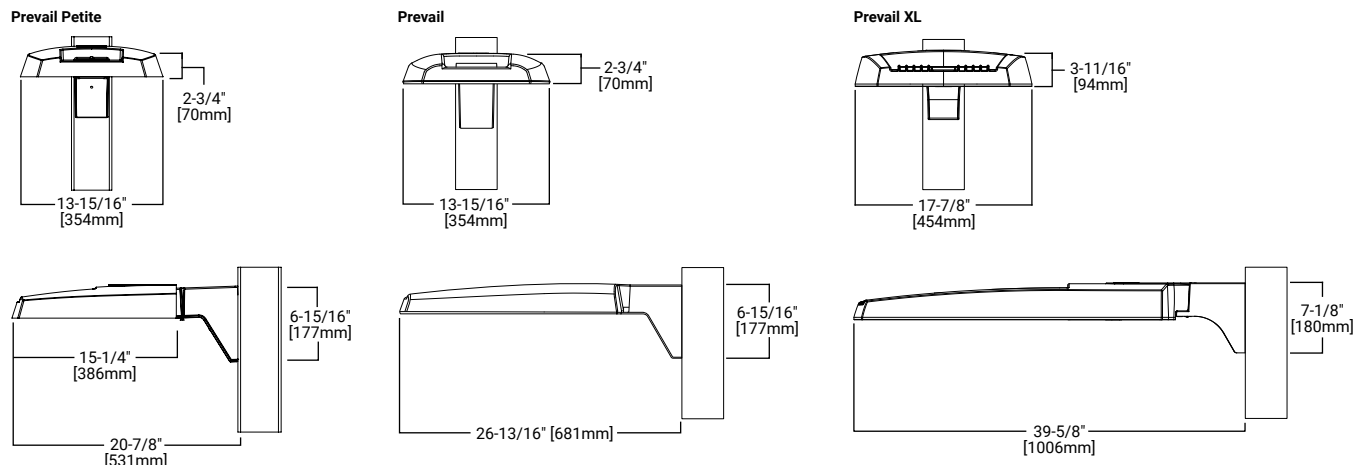
NOTES:
1. Visit https://www.designlights.org/search/ to confirm qualification. Not all product variations are DLC qualified.
2. IDA Certified for 3000K CCT and warmer only.

COOPER Lighting Solutions

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	**U**=Universal, 120-277V **H**=High Voltage, 347-480V **9**=347V **8**=480V [5] **D**=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	**[Blank]**=Standard Versatile Arm **MA**=Mast Arm **WM**=Wall Mount Arm **ADJA**=Adjustable Arm - Pole Mount **ADJS**=Adjustable Arm - Slipfitter, 3in vertical tenon **ADJA-WM**=Adjustable Arm-Wall Mount	**BZ**=Bronze **AP**=Grey **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					

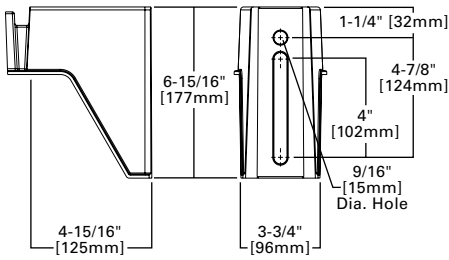| Options (Add as Suffix)		Accessories (Order Separately) [20, 21]	
10K=10kV UL 1449 Fused Surge Protective Device **20MSP**=20kV MOV Surge Protective Device **20K**=Series 20kV UL 1449 Surge Protective Device **L90**=Optics Rotated 90° Left **R90**=Optics Rotated 90° Right **HSS**=House Side Shield (Factory Installed) [7] **HA**=50°C High Ambient Temperature [8] **CC**=Coastal Construction [9] **PR**=NEMA 3-PIN Twistlock Photocontrol Receptacle [10] **PR7**=NEMA 7-PIN Twistlock Photocontrol Receptacle [10] **MS/DIM-L08**=Dimming Motion and Daylight Sensor, IR Remote Programmable, < 8' Mounting [11, 12, 13] **MS/DIM-L20**=Dimming Motion and Daylight Sensor, IR Remote Programmable, 8' - 20' Mounting [11, 12, 13] **MS/DIM-L40**=Dimming Motion and Daylight Sensor, IR Remote Programmable, 21' - 40' Mounting [11, 12, 13] **SPB1**=Dimming Motion and Daylight Sensor, Bluetooth Programmable, < 8' Mounting [11, 14] **SPB2**=Dimming Motion and Daylight Sensor, Bluetooth Programmable, 8' - 20' Mounting [11, 14]	**SPB4**=Dimming Motion and Daylight Sensor, Bluetooth Programmable, 21' - 40' Mounting [11, 14] **ZW**=Wavelinx-enabled 4-PIN Twistlock Receptacle [11, 12] **ZD**=SR Driver-enabled 4-PIN Twistlock Receptacle [11, 12] **ZW-SWPD4XX**=WaveLinx, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting [11, 12, 15, 16, 17] **ZW-SWPD5XX**=WaveLinx, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting [11, 12, 15, 16, 17] **ZD-SWPD4XX**=WaveLinx, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting [11, 12, 15, 16, 17] **ZD-SWPD5XX**=WaveLinx, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting [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 [18] **PRVXLMA-XX**=Mast Arm Mounting Kit [18] **PRVXLWM-XX**=Wall Mount Kit [18] **PRV-XL-ADJA-XX**=Adjustable Arm - Pole Mount Kit [18] **PRV-XL-ADJS-XX**=Adjustable Arm - Slipfitter Kit [18] **PRV-XL-ADJA-WM-XX**=Adjustable Arm - Wall Mount Kit [18] **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 2-3/8" to 3" **PRV/DIS-FDV**=Full Drop Visor [23] **PRVXL/DIS-FDV**=Full Drop Visor [18] **HSS-VP**=House Side Shield, Vertical Panel [7, 24] **HSS-HP**=House Side Shield, Horizontal Panel [7, 24] **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] **SWPD4-XX**=WaveLinx Sensor, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting [15, 16, 17, 26] **SWPD5-XX**=WaveLinx Sensor, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting [15, 16, 17, 26] **WOLC-7P-10A**=WaveLinx Outdoor Control Module (7-PIN) [27]

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 PA1D light engine in Petite housing (PRV-P).
9. Salt spray tested to over 5,000-hours per ASTM B117 with a scribe rating of 9 per ASTM D1654. Also achieves 7,000-hour rating per ASTM B117 with a scribe rating of 4 per ASTM D1654. Extended lead times may apply.
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, ZD, or ZW).
12. Option not available with High Voltage (H). 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 compatability 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. Only for use with PRV and PRV-P.
23. Only for use with PRV. Not available with PRV-XL or PRV-P.
24. Must order one per optic/LED when ordering as a field-installable accessory (1, 2, 3, or 4). 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 4-PIN twistlock receptacle option (ZD or ZW) option.
27. Requires 7-PIN NEMA twistlock photocontrol receptacle (PR7) option. The WOLC-7 cannot be used in conjunction with other controls systems (MS, ZD, ZW or LWR). Only for use at 120-347V.

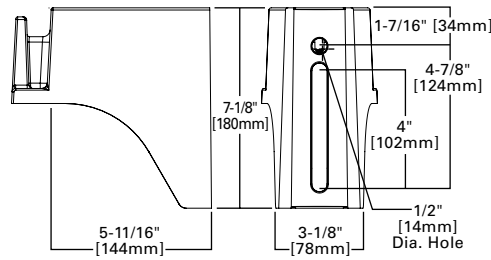### LumenSafe Integrated Network Security Camera Technology Options (Add as Suffix)

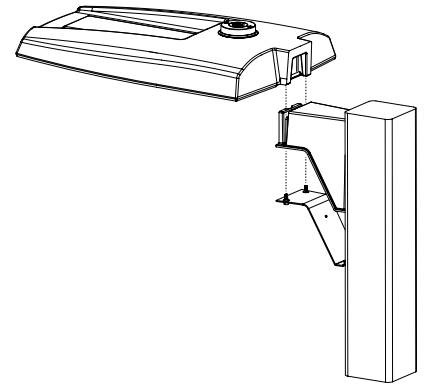| Product Family	Camera Type	Data Backhaul	
L=LumenSafe Technology	**H**=Dome Camera, High Res **Z**=Dome Camera, Remote PTZ	**C**=Cellular, Customer Installed SIM Card **A**=Cellular, Factory Installed AT&T SIM Card **V**=Cellular, Factory Installed Verizon SIM Card	**S**=Cellular, Factory Installed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

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Mounting Details

Pole Mount Arm (PRV & PRV-P)

1-1/4" [32mm]
4-7/8" [124mm]
6-15/16" [177mm]
4" [102mm]
9/16" [15mm] Dia. Hole
4-15/16" [125mm]
3-3/4" [96mm]

Pole Mount Arm (PRV-XL)

1-7/16" [34mm]
4-7/8" [124mm]
7-1/8" [180mm]
4" [102mm]
1/2" [14mm] Dia. Hole
5-11/16" [144mm]
3-1/8" [78mm]

Versatile Mount System

Wall Mount (PRV & PRV-P)
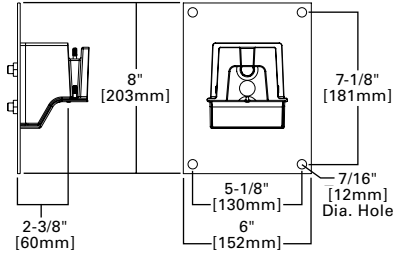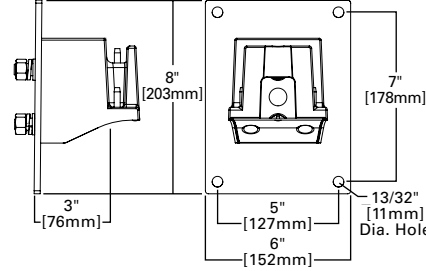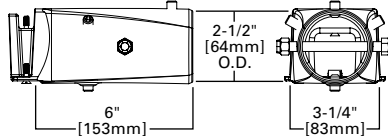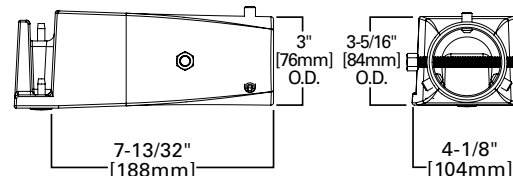
8" [203mm]
7-1/8" [181mm]
5-1/8" [130mm]
7/16" [12mm] Dia. Hole
2-3/8" [60mm]
6" [152mm]

Wall Mount (PRV-XL)

8" [203mm]
7" [178mm]
3" [76mm]
5" [127mm]
13/32" [11mm] Dia. Hole
6" [152mm]

Mast Arm Mount (PRV & PRV-P)

2-1/2" [64mm] O.D.
6" [153mm]
3-1/4" [83mm]

Mast Arm Mount (PRV-XL)

3" [76mm] O.D.
3-5/16" [84mm] O.D.
7-13/32" [188mm]
4-1/8" [104mm]

Adjustable Pole Mount Arm (PRV & PRV-P)

4-3/4" [121mm]
12-7/8" [328mm]
3-7/8" [97mm]
1-3/4" [44mm]

Adjustable Pole Mount Arm (PRV-XL)

4-3/4" [121mm]
13-1/4" [336mm]
4-1/8" [104mm]
1-3/4" [44mm]

Adjustable Wall Mount (PRV & PRV-P)

7-1/8" [181mm]
8" [203mm]
5-1/8" [130mm]
ø11/32" [11mm]
6" [152mm]
12-1/8" [307mm]

Adjustable Wall Mount (PRV-XL)

7-1/8" [181mm]
8" [203mm]
5-1/8" [130mm]
ø11/32" [11mm]
6" [152mm]
12-3/8" [315mm]

Adjustable Slipfitter (PRV & PRV-P)

9-1/8" [231mm]
8-3/8" [213mm]
4-3/4" [122mm]

Adjustable Slipfitter (PRV-XL)

9-1/8" [231mm]
8-5/8" [220mm]
4-3/4" [122mm]

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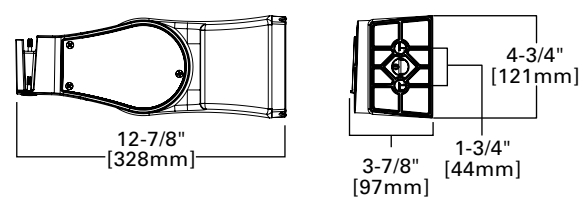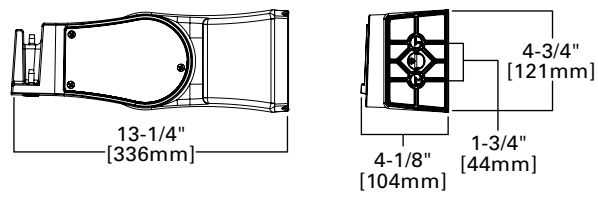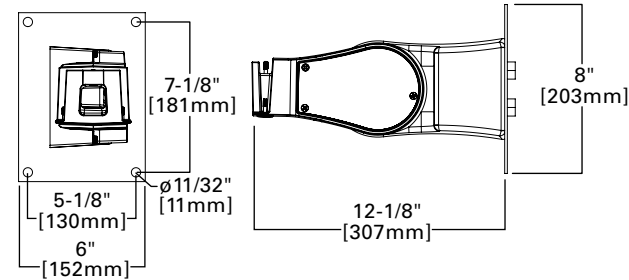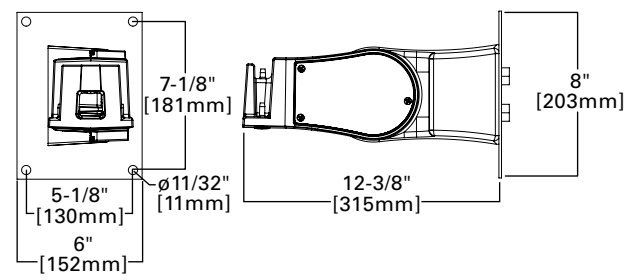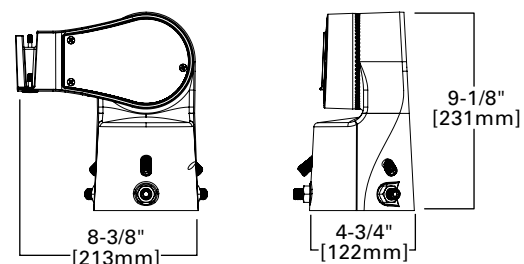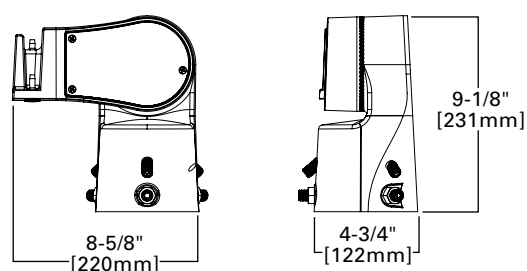
Mounting Details

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.
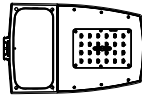
Housing Size	Tilt Angle (Degrees)	Arm Mount Single	Arm Mount 2 @ 180°	Arm Mount 2 @ 90°	Arm Mount 3 @ 90°	Arm Mount 4 @ 90°
Prevail Petite	0°	0.54	1.08	0.84	1.38	1.38
	60°	1.68	1.85	2.42	3.15	3.30
Prevail	0°	0.92	1.35	1.42	1.63	1.63
	60°	2.20	2.40	3.05	3.88	4.07
	60° + Full Drop Visor	2.20	2.40	3.25	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

Optical Configurations
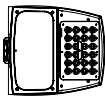
PRV-P-PA1X **PRV-PA1X** **PRV-PA2X** **PRV-XL-PA3X** **PRV-XL-PA4X**
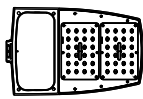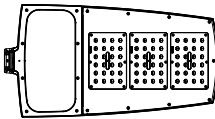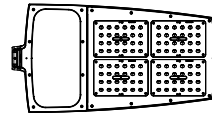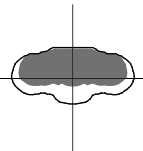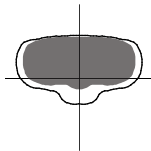
Optical Distributions
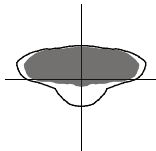
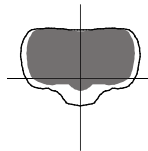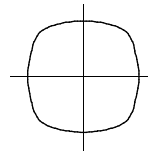**T2R** (Type II Roadway) **T2U** (Type II Urban) **T3** (Type III) **T4W** (Type IV Wide) **5WQ** (Type V Square Wide)

█ = 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

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.)

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

COOPER Lighting Solutions

Energy and Performance Data
Power and Lumens

Product Family		Prevail Petite				Prevail				Prevail XL			
Light Engine		PA1A	PA1B	PA1C	PA1D	PA1A	PA1B	PA2A	PA2B	PA3A	PA3B	PA4A	PA4B
Power (Watts)		31	53	72	93	54	74	113	151	172	234	245	303
Drive Current (mA)		375	670	930	1200	670	930	720	970	750	980	785	970
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
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
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
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
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
	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
	Lumens per Watt	147	139	132	121	141	134	141	131	144	131	139	131
	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
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
	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
	Lumens per Watt	121	115	109	100	111	106	111	103	113	103	107	103
	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
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
	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
	Lumens per Watt	146	139	131	121	141	134	141	131	144	131	139	131
	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
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
	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
	Lumens per Watt	106	101	95	87	98	93	97	91	100	91	97	91
	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
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
	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
	Lumens per Watt	145	138	130	119	140	133	141	130	143	130	138	130
	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
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
	BUG Rating	B0-U0-G1	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-G4	B2-U0-G5
	Lumens per Watt	111	105	100	91	104	98	103	96	106	96	102	96
	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
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
	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
	Lumens per Watt	142	135	127	117	139	132	139	129	141	129	137	129
	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
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
	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
	Lumens per Watt	108	103	97	89	100	95	100	93	102	106	99	93
	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
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
	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
	Lumens per Watt	146	139	131	121	145	138	145	135	148	135	143	135
	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

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

COOPER
Lighting Solutions

Energy and Performance Data

House Side Shield Reference Table

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

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

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 and MS-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. When a sensor for ON/OFF operation (MS-LXX) is selected, the luminaire will turn off after five minutes of no activity. 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.

For mounting heights up to 8' (-L08)

For mounting heights up to 20' (-L20)

For mounting heights up to 40' (-L40W)
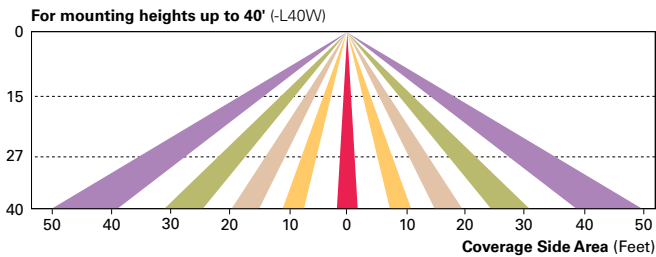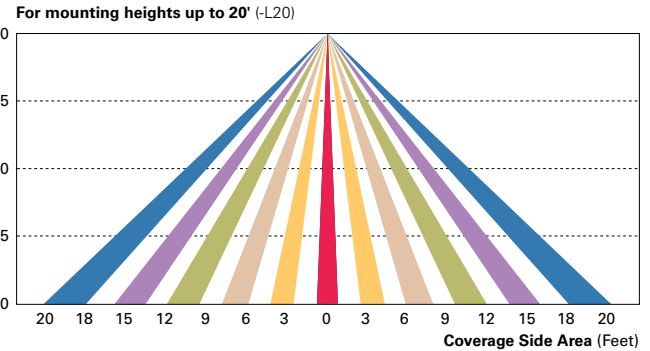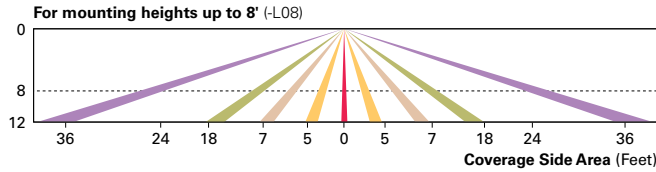
WaveLinx Wireless Control and Monitoring System Available in 7-PIN or 4-PIN configurations, the WaveLinx Outdoor control platform operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. At least one Wireless Area Controller (WAC) is required for full functionality and remote communication (including adjustment of any factory pre-sets).

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

WaveLinx Wireless Sensor (SWPD4 and SWPD5) These outdoor sensors offer passive infrared (PIR) occupancy sensing and a photocell for closed-loop daylight sensing. These sensors can be factory installed or field-installed via simple, tool-less integration into luminaires equipped with the Zhaga Book 18 compliant 4-PIN receptacle (ZD or ZW). These sensors are factory preset to dim down to approximately 50 percent power after 15 minutes of no activity detected, 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'.

For mounting heights 16' to 40' (SWPD)
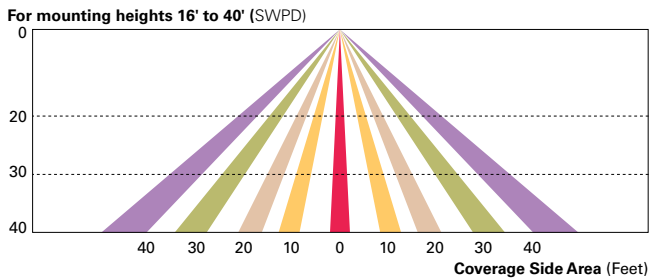
LumenSafe (LD) The LumenSafe integrated network camera is a streamlined, outdoor-ready camera that provides high definition video surveillance. This IP camera solution is optimally designed to integrate into virtually any video management system or security software platform of choice. No additional 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.