Project		Catalog #		Type	
Prepared by		Notes		Date	

Streetworks

USSL Petite Discrete Wall

Wall Mount Luminaire

Product Features

BAA BUY AMERICAN ACT AVAILABLE

FADC

Product Certifications

ISO SYSTEMS CERTIFIED

UL CERTIFIED

DLC LISTED [1]

DLC LISTED PREMIUM [1]

FC CLASS A CAN ICES-005

RoHS COMPLIANT

IP66

IDA DARK SKY APPROVED [2]

5 YEAR LIMITED WARRANTY

Interactive Menu

Quick Facts

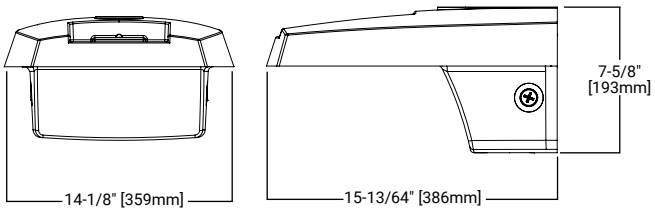
- Direct-mounted discrete light engine for improved optical uniformity and visual comfort
- Lumen packages range from 4,300 - 11,300 lumens (30W - 90W)
- Replaces 70W up to 250W HID equivalents
- Efficacies up to 147 lumens per watt
- Surface mount configuration with standard conduit entry

Connected Systems

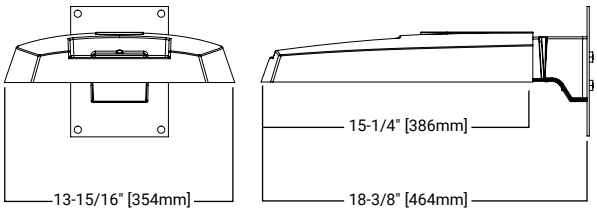
- WaveLinx PRO Wireless

Dimensional Details

Surface Mount (SM)



Wall Mount (WM)



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: **USSL-P-PA1B-740-U-T4W-SM-BZ**

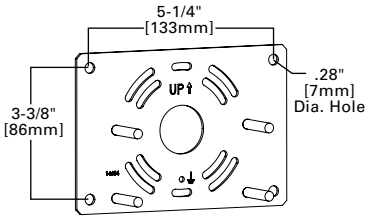
Product Family [1]	Light Engine		Color Temperature	Voltage	Distribution	Mounting (Included)	Finish
	Configuration	Drive Current [2]					
USSL-P=USSL Petite **BAA-USSL-P**=USSL Petite BAA Compliant [22] **TAA-USSL-P**=USSL Petite TAA Compliant [22]	**PA1**=1 Panel, 24 LED Rectangle	**A**=400mA Nominal **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 [3] **DV**=Duravolt, 277-480V [3, 24]	**T2R**=Type II Roadway **T2U**=Type II Urban **T3**=Type III **T4W**=Type IV Wide **5WQ**=Type V Square Wide	**SM**=Surface Wall Mount **WM**=Wall Mount Arm	**BZ**=Bronze **AP**=Grey **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White

Options (Add as Suffix)	**Accessories** (Order Separately) [17, 18]
10MSP=10kV MOV Surge Protective Device **10K**=10kV UL 1449 Fused Surge Protective Device **20MSP**=20kV MOV Surge Protective Device **20K**=20kV UL 1449 Fused Surge Protective Device **2L**=Two-Circuit Light Engine [19] **EBP**=Emergency Battery Pack (Ambient Temp, 0° to 40°C) [4, 5] **CBP**=Cold Weather Emergency Battery Pack (Ambient Temp, -20° to 40°C) [4, 5] **CBP-CEC**=Cold Weather Emergency Battery Pack, CEC Compliant (Ambient Temp, -20° to 40°C) [4, 5] **HSS**=House Side Shield (Factory Installed) [6] **HA**=50°C High Ambient Temperature [7] **CC**=Coastal Construction [8] **BPC**=Button Photocontrol [9] **PR**=NEMA 3-PIN Twistlock Photocontrol Receptacle [9, 10] **PR7**=NEMA 7-PIN Twistlock Photocontrol Receptacle [9, 10] **FADC**=Field Adjustable Dimming Controller **MS/DIM-L08**=Dimming Motion and Daylight Sensor, IR Remote Programmable, < 8' Mounting [9, 11, 12] **MS/DIM-L20**=Dimming Motion and Daylight Sensor, IR Remote Programmable, 8' - 20' Mounting [9, 11, 12] **MS/DIM-L40**=Dimming Motion and Daylight Sensor, IR Remote Programmable, 21' - 40' Mounting [9, 11, 12] **SPB1**=Dimming Motion and Daylight Sensor, Bluetooth Programmable, < 8' Mounting [9, 11, 13] **SPB2**=Dimming Motion and Daylight Sensor, Bluetooth Programmable, 8' - 20' Mounting [9, 11, 13] **SPB4**=Dimming Motion and Daylight Sensor, Bluetooth Programmable, 21' - 40' Mounting [9, 11, 13] **WPS2XX**=WaveLinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting [9, 11, 14, 15, 16, 25] **WPS4XX**=WaveLinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting [9, 11, 14, 15, 16, 25] **Dxxxxx**=DOT configuration - contact factory quotes team **Uxxxxx**=Utility configuration - contact factory quotes team	**HSS-HP**=House Side Shield, Horizontal Panel [7] **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 [20] **WOLC-7P-10A**=WaveLinx Outdoor Control Module (7-PIN) [21]

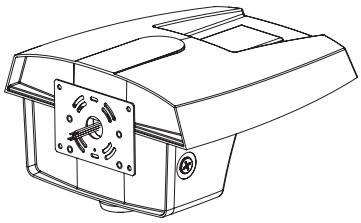
NOTES:
1. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
2. Nominal drive currents shown here. For actual drive current by configuration, refer to Power and Lumens tables.
3. Only for use with 480V Wye systems. Per NEC, not for 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).
4. Only available on Surface Wall Mount (SM) mounting.
5. Must use with Univeral (U) voltage only. Not available with other voltage options. Not available with PA1D light engine.
6. House Side Shield not for use with 5WQ distribution.
7. Not available with EBP, CBP, or CBP-CEC options. Not available with PA1D light engine.
8. 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.
9. Option is not available with other controls: photocontrols (BPC), photocontrol receptacles (PR or PR7), or controls systems (MS).
10. If High Voltage (H) or DuraVolt (DV) is specified, use a photocontrol that matches the input voltage used.
11. Option not available with High Voltage (H). Must specify Universal (U), 347V (9), or 480V (8) voltage.
12. Utilizes the Wattstopper sensor FSP-211. Sensor color white unless specified otherwise via PDR. To field-configure, order FSIR-100 accessory separately.
13. 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.
14. Sensor passive infrared (PIR) may be overly sensitive when operating below -20°C (-4°F).
15. 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.
16. Replace XX with sensor color (WH, BZ or BK).
17. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
18. Replace XX with paint color.
19. Controls and/or emergency battery packs operate only one of the two circuits when 2L is specified.
20. This tool enables adjustment to Motion Sensor (MS) parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative for more information.
21. Requires 7-PIN NEMA twistlock photocontrol receptacle (PR7) option. The WOLC-7 cannot be used in conjunction with other controls systems (MS). Only for use at 120-347V.
22. 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.
23. 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.
24. Cannot be used with PR7 or other motion response control options.
25. Controls system is not available with photocontrol receptacles (PR , PR7) or other controls systems (FADC, SPBx).

Mounting Details

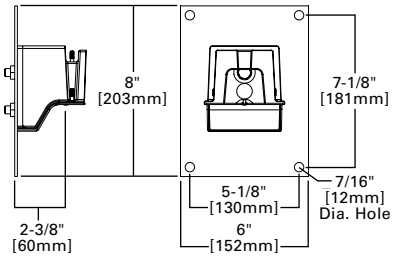
Surface Mount Plate (SM)



Surface Mount Assembly (SM)



Wall Mount (WM)



Product Specifications

Construction
- Single-piece die-cast aluminum housing
- Tethered die-cast aluminum door
- Surface Mount (SM) offers two 1/2" NPT conduit entry plugs
- Not suitable for inverted mount installation

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
- Three-position terminal block standard. Four-position terminal block with emergency battery pack options
- 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

Typical Applications
- Outdoor, Pedestrian Pathways, Building Entrances, Loading Docks, Perimeter Parking Lots

Finish
- Five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness

Shipping Data
- USSL Petite (with CBP): 21 lbs. (9.53 kgs.)

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

Energy and Performance Data

Power and Lumens

Light Engine		PA1A	PA1B	PA1C	PA1D
Power (Watts)		31	53	72	93
Drive Current (mA)		375	670	930	1200
Input Current @ 120V (A)		0.26	0.44	0.60	0.78
Input Current @ 277V (A)		0.12	0.20	0.28	0.35
Input Current @ 347V (A)		0.10	0.17	0.23	0.29
Input Current @ 480V (A)		0.07	0.13	0.17	0.22
Distribution					
Type II Roadway	4000K/5000K Lumens	4,505	7,362	9,495	11,300
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2
	Lumens per Watt	147	139	132	121
	3000K Lumens [1]	4,103	6,705	8,647	10,291
Type II Roadway w/ HSS	4000K/5000K Lumens	3,727	6,091	7,855	9,349
	BUG Rating	B0-U0-G1	B0-U0-G2	B0-U0-G2	B1-U0-G2
	Lumens per Watt	121	115	109	100
	3000K Lumens [1]	3,394	5,547	7,154	8,514
Type II Urban	4000K/5000K Lumens	4,496	7,347	9,476	11,277
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3
	Lumens per Watt	146	139	131	121
	3000K Lumens [1]	4,095	6,691	8,630	10,271
Type II Urban w/ HSS	4000K/5000K Lumens	3,253	5,316	6,856	8,160
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2
	Lumens per Watt	106	101	95	87
	3000K Lumens [1]	2,963	4,841	6,244	7,431
Type III	4000K/5000K Lumens	4,443	7,261	9,364	11,145
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2
	Lumens per Watt	145	138	130	119
	3000K Lumens [1]	4,046	6,612	8,528	10,150
Type III w/ HSS	4000K/5000K Lumens	3,406	5,566	7,179	8,543
	BUG Rating	B0-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2
	Lumens per Watt	111	105	100	91
	3000K Lumens [1]	3,102	5,069	6,538	7,781
Type IV Wide	4000K/5000K Lumens	4,348	7,106	9,164	10,906
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3
	Lumens per Watt	142	135	127	117
	3000K Lumens [1]	3,960	6,471	8,346	9,932
Type IV Wide w/ HSS	4000K/5000K Lumens	3,318	5,422	6,993	8,323
	BUG Rating	B0-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2
	Lumens per Watt	108	103	97	89
	3000K Lumens [1]	3,022	4,938	6,369	7,580
Type V Square Wide	4000K/5000K Lumens	4,497	7,349	9,478	11,280
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2
	Lumens per Watt	146	139	131	121
	3000K Lumens [1]	4,095	6,693	8,632	10,273

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

Power and Lumens: Emergency Configurations

Light Engine		PA1A	PA1B	PA1C
Power (Watts) [1]		37	59	78
Input Current @ 120V (A)		0.33	0.52	0.68
Input Current @ 277V (A)		0.16	0.24	0.31
Distribution [2]				
Type II Roadway	4000K/5000K Lumens	2,035		
	3000K Lumens	1,853		
Type II Urban	4000K/5000K Lumens	2,030		
	3000K Lumens	1,849		
Type III	4000K/5000K Lumens	2,007		
	3000K Lumens	1,827		
Type IV Wide	4000K/5000K Lumens	1,964		
	3000K Lumens	1,788		
Type V Square Wide	4000K/5000K Lumens	2,031		
	3000K Lumens	1,849		

NOTES:
1. Power and current based on full power consumption while EBP or CBP is charging.
2. Estimated lumen outputs while luminaire is operating in emergency mode only at full charge.

Lumen Maintenance

Configuration	TM-21 Lumen Maintenance (50,000 Hours)	Theoretical L70 (Hours)
Up to 50°C	96.76%	> 663,000

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 Position	Lumen Multiplier
1	25%
2	46%
3	55%
4	62%
5	72%
6	77%
7	82%
8	85%
9	90%
10	100%

Note: +/-5% typical value

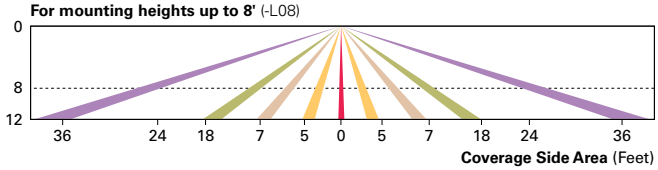
Control Options

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

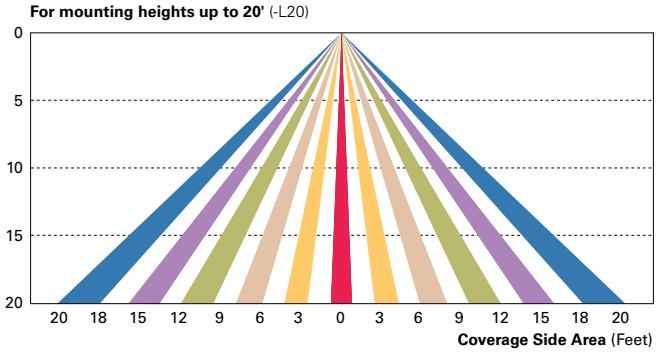
Photocontrol (PR and PR7) Photocontrol receptacles provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-PIN standards can be utilized with the PR7 receptacle.

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.

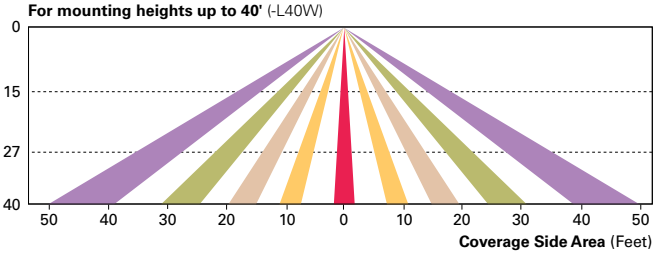
For mounting heights up to 8' (-L08)



For mounting heights up to 20' (-L20)



For mounting heights up to 40' (-L40W)

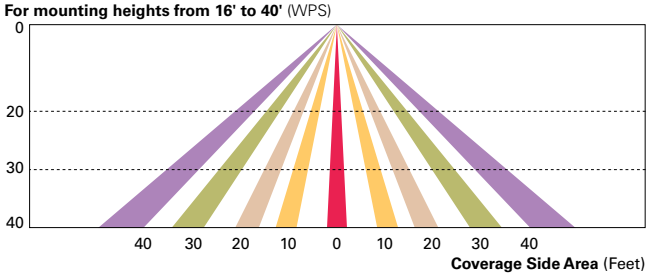


WaveLinx Wireless Control and Monitoring System Available in 7-PIN or 4-PIN configurations, the WaveLinx Outdoor control platform operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. At least one Wireless Area Controller (WAC) is required 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 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'.

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



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