Project		Catalog #		Type	
Prepared by		**Notes**		**Date**	

Streetworks

USSL Petite Wall

Wall Mount Luminaire

Product Features

BAA COMPLIANT OPTION BUY AMERICAN ACT AVAILABLE • FADC

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Product Certifications

ISO SYSTEMS CERTIFIED • UL CERTIFIED • DLC LISTED [1] • DLC PREMIUM LISTED [1] • FCC CLASS A CAN ICES-005

RoHS COMPLIANT • IP66 • DARKSKY APPROVED reduces light pollution [2] Certified by DarkSky.org • 5 YEAR LIMITED WARRANTY
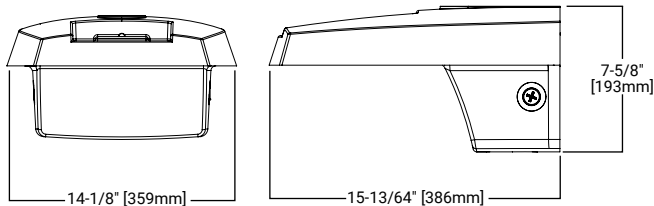
Quick Facts

- Lumen packages range from 4,800 - 12,200 lumens (35W - 90W)
- Replaces 70W up to 250W HID equivalents
- Efficacies up to 146 lumens per watt
- Energy and maintenance savings up to 84% versus HID solutions
- Surface mount configuration with standard conduit entry
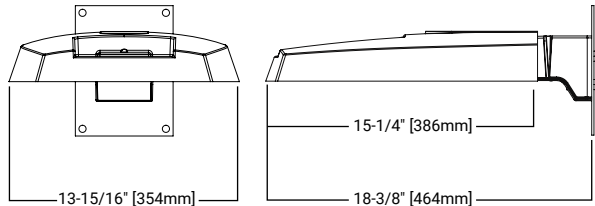
Connected Systems

- WaveLinx PRO Wireless

Dimensional Details

Surface Mount (SM)

14-1/8" [359mm]   15-13/64" [386mm]   7-5/8" [193mm]

Wall Mount (WM)

13-15/16" [354mm]   15-1/4" [386mm]   18-3/8" [464mm]

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.

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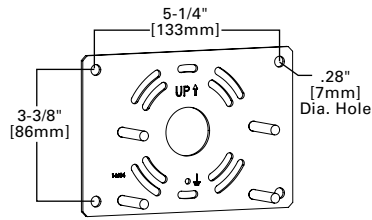a signify business

Ordering Information

SAMPLE NUMBER: **USSL-P-C15-D-UNV-T4-SM-BZ**

Product Family [1,2]	Light Engine [3]	Driver	Voltage	Distribution	Mounting (Included)	Finish
USSL-P=USSL Petite **BAA-USSL-P**=USSL Petite BAA Compliant [20] **TAA-USSL-P**=USSL Petite TAA Compliant [20]	**C014**=(1 LED) Approx. 40% Output **C016**=(1 LED) Approx. 60% Output **C018**=(1 LED) Approx. 80% Output **C01**=(1 LED) Full Output	**D**=Dimming (0-10V)	**U**=Universal (120-277V) **9**=347V **8**=480V [4] **DV**=Duravolt, 277-480V [4,21]	**T2**=Type II **T3**=Type III **T4**=Type IV **T5**=Type V	**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) [16,17]
7030=70 CRI / 3000K CCT [5] **7050**=70 CRI / 5000K CCT [5] **10MSP**=10kV MOV Surge Protective Device **10K**=10kV/10kA UL 1449 Fused Surge Protective Device **20MSP**=20kV MOV Surge Protective Device **20K**=20kV UL 1449 Fused Surge Protective Device **EBP**=Emergency Battery Pack (Ambient Temp, 0° to 40°C) [6] **CBP**=Cold Weather Emergency Battery Pack (Ambient Temp, -20° to 40°C) [6] **CBP-CEC**=Cold Weather Emergency Battery Pack, CEC Compliant (Ambient Temp, -20° to 40°C) [6] **HSS**=House Side Shield [7] **HA**=50°C High Ambient Temperature [8] **CC**=Coastal Construction [9] **BPC**=Button Photocontrol [10] **4**=NEMA 3-PIN Twistlock Photocontrol Receptacle [10] **4N7**=NEMA 7-PIN Twistlock Photocontrol Receptacle [10] **FADC**=Field Adjustable Dimming Controller [22] **MS/DIM-L08**=Dimming Motion and Daylight Sensor, IR Remote Programmable, < 8' Mounting [10,11] **MS/DIM-L20**=Dimming Motion and Daylight Sensor, IR Remote Programmable, 8' - 20' Mounting [10,11] **MS/DIM-L40**=Dimming Motion and Daylight Sensor, IR Remote Programmable, 21' - 40' Mounting [10,11] **SPB1**=Dimming Motion and Daylight Sensor, Bluetooth Programmable, < 8' Mounting [10,12] **SPB2**=Dimming Motion and Daylight Sensor, Bluetooth Programmable, 8' - 20' Mounting [10,12] **SPB4**=Dimming Motion and Daylight Sensor, Bluetooth Programmable, 21' - 40' Mounting [10,12] **WPS2XX**=WaveLinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting [10,13,14,15,23] **WPS4XX**=WaveLinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting [10,13,14,15,23] **Dxxxxx**=DOT Configuration - Contact Quotes Team **Uxxxxx**=Utility Configuration - Contact Quotes Team	**HS/VERD**=House Side Shield [7] **VGS-F/B**=Vertical Glare Shield, Front/Back **VGS-SIDE**=Vertical Glare Shield, Side **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 [19] **WOLC-7P-10A**=WaveLinx Outdoor Control Module (7-PIN) [20]

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 all applications. Refer to installation instructions IB500002EN and pole white paper WP513001EN for additional support information.
3. Standard 4000K CCT and 70CRI.
4. 480V not to be used with ungrounded or impedance grounded systems.
5. Use dedicated IES files on product website for non-standard CCTs.
6. Only available on Surface Wall Mount (SM) mounting. Not available with C01 light engine. Not available with DV, 347, or 480 voltage options.
7. Option will come factory-installed. House Side Shield not suitable with T5 distribution.
8. Not available with EBP, CBP, or CBP-CEC options. Not available with C01 light engine.
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. Option is not available with other controls: photocontrols (BPC), photocontrol receptacles (4 or 4N7), or controls systems (MS).
11. Utilizes the Wattstopper sensor FSP-211. Sensor color white unless specified otherwise via PDR.
12. 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.
13. Sensor passive infrared (PIR) may be overly sensitive when operating below -20°C (-4°F).
14. 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.
15. Replace XX with sensor color (WH, BZ, or BK).
16. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
17. Replace XX with paint color.
18. 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.
19. Requires 7-PIN NEMA twistlock photocontrol receptacle (4N7) option. The WOLC-7 cannot be used in conjunction with other controls systems (MS). Operates on 120-347V input voltages.
20. 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.
21. 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.
22. Cannot be used with PR7 or other motion response control options.
23. Controls system is not available with photocontrol receptacles (PR , PR7) or other controls systems (FADC, SPBx).
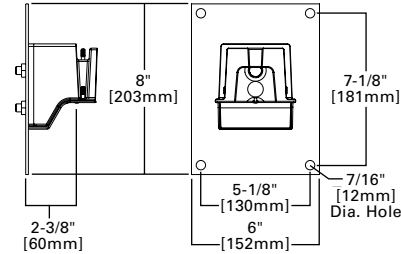
Mounting Details

Surface Mount Plate (SM)

Surface Mount Assembly (SM)
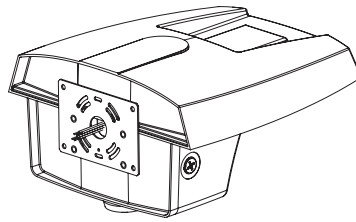
Wall Mount (WM)

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

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Energy and Performance Data

Power and Lumens

Product Family		USSL Petite			
Light Engine		C014	C016	C018	C01
Power (Watts)		35	49	73	94
Input Current @ 120V (A)		0.29	0.41	0.61	0.79
Input Current @ 277V (A)		0.13	0.18	0.27	0.35
Input Current @ 347V (A)		0.11	0.16	0.23	0.29
Input Current @ 480V (A)		0.08	0.12	0.17	0.22
Distribution					
Type II	4000K Lumens	4,775	6,717	9,542	11,521
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2
	Lumens per Watt	138	137	131	122
	3000K Lumens [1]	4,689	6,595	9,369	11,312
Type III	4000K Lumens	4,782	6,727	9,556	11,538
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3
	Lumens per Watt	138	137	131	123
	3000K Lumens [1]	4,695	6,605	9,383	11,329
Type IV	4000K Lumens	4,880	6,865	9,752	11,774
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3
	Lumens per Watt	141	140	134	125
	3000K Lumens [1]	4,792	6,740	9,575	11,561
Type V	4000K Lumens	5,067	7,128	10,126	12,226
	BUG Rating	B3-U0-G2	B3-U0-G2	B4-U0-G3	B4-U0-G3
	Lumens per Watt	146	145	139	130
	3000K Lumens [1]	4,975	6,999	9,942	12,004

NOTES:
1. For 3000K, 5000K or HSS data, refer to published IES files.

Power and Lumens: Emergency Configurations

Product Family		USSL Petite		
Light Engine		C014	C016	C018
Power (Watts) [1]		41	55	79
Input Current @ 120V (A)		0.37	0.49	0.69
Input Current @ 277V (A)		0.16	0.22	0.31
Distribution [2]				
Type II	4000K Lumens		1,910	
	3000K Lumens		1,876	
Type III	4000K Lumens		1,913	
	3000K Lumens		1,878	
Type IV	4000K Lumens		1,952	
	3000K Lumens		1,917	
Type V	4000K Lumens		2,027	
	3000K Lumens		1,990	

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)
USSL Petite at 25°C	91.30%	> 194,000
USSL Petite at 40°C	87.59%	> 134,000

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

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
10°C	1.02
15°C	1.01
25°C	1.00
40°C	0.99

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Control Options

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

Photocontrol (4 and 4N7) 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 4N7 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)
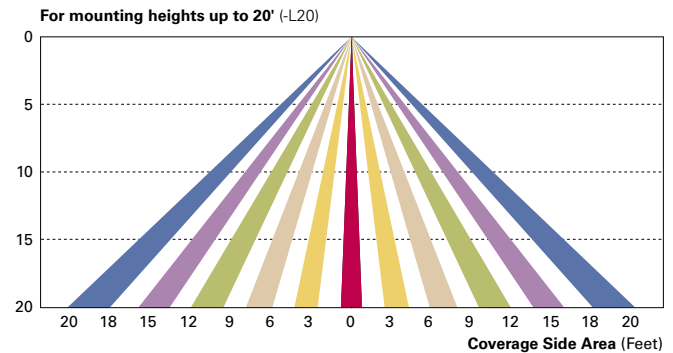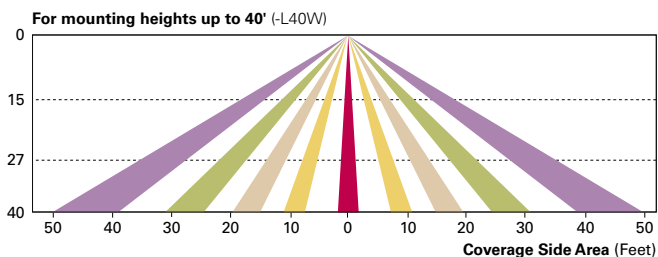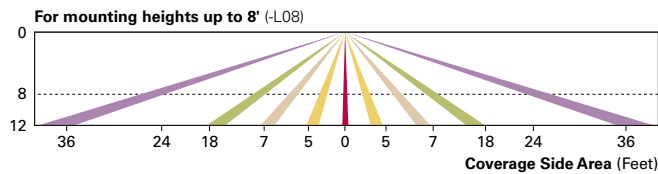
WaveLinx Wireless Control and Monitoring System Available in 7-PIN or 4-PIN configurations, the WaveLinx Outdoor control platform operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. At least one Wireless Area Controller (WAC) is required 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)