Project		Catalog #		Type	
Prepared by		Notes		Date	

Invue

ENC/ENT/ENV Entri LED

Architectural Wall Luminaire

Product Features

Interactive Menu

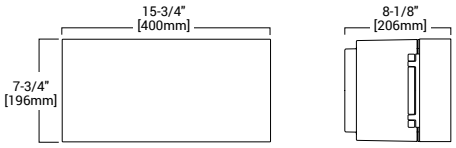
Product Certifications

Quick Facts

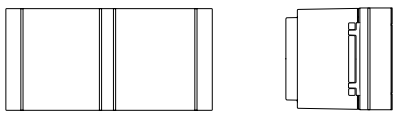
- Robust die-cast IP66 rated construction
- Flush mounted die-cast latch for tool-less maintenance access
- Mounts to a 4-inch junction box with concealed stainless steel fasteners
- Choice of 9 AccuLED(TM) optical distributions
- Optional uplight available with clear or colored lenses

Dimensional and Mounting Details

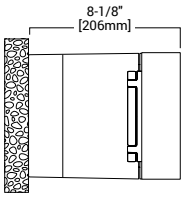
ENC (Round Clean)



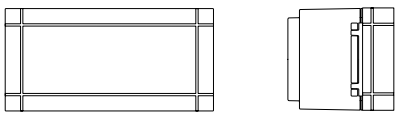
ENT (Triangle Reveals)



Conduit Mount/Battery Back Box



ENV (Round Reveals)



SHIPPING DATA

Approximate Net Weight:

15.2 lbs. (6.9 kgs.) - Without backbox

29.1 lbs. (13.2 kgs.) - With backbox

Ordering Information

SAMPLE NUMBER: **ENC-SA1C-740-U-T4W-GM-ULG-HA-WPS2BK**

Domestic Preferences [24]	Product Family [1]	Light Engine		Color Temperature	Voltage	Distribution	Finish
		Configuration	Drive Current				
[Blank]=Standard **BAA**= Buy American Act **TAA**= Trade Agreements Act	**ENC**= Entri Round Clean **ENT**= Entri Triangle Reveals **ENV**= Entri Round Reveals	**SA1**=1 Square	**A**=350mA **B**=450mA **C**=600mA **D**=800mA **E**=1000mA **F**=1200mA	**722**=70CRI, 2200K [3] **727**=70CRI, 2700K [3] **730**=70CRI, 3000K [3] **735**=70CRI, 3500K **740**=70CRI, 4000K **750**=70CRI, 5000K [3] **760**=70CRI, 5700K [3] **827**=80CRI, 2700K [3] **830**=80CRI, 3000K [3] **835**=80CRI, 3500K [3]	**U**=UNV(120-277) **1**=120 **2**=208 **3**=240 **4**=277 **8**=480 **9**=347	**T2**=Type II **T3**=Type III **T4FT**=Type IV Forward Throw **T4W**=Type IV Wide **SL2**=Type II w/Spill Control **SL3**=Type III w/Spill Control **SL4**=Type IV w/Spill Control **SLL**=90° Spill Light Eliminator Left **SLR**=90° Spill Light Eliminator Right	**AP**=Grey **BZ**=Bronze **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White

Options (Add as Suffix)

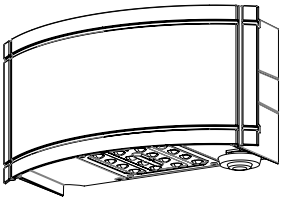
F=Singled fused (Must specify voltage, fused on single hot leg of 120, 277, or 347)
FF=Doubled fused (Must specify voltage, fused on both hot legs of 208, 240, or 480)
20K=Series 20kV UL 1449 Surge Protective Device
2L=Two-Circuit Light Engine [23]
DIM=0-10V Dimming Driver [5, 6]
EBP=Battery Pack with Back Box (Must specify voltage, available in 120V or 277V) [2, 4, 9]
CBP=Battery Pack with Back Box, Cold Weather Rated (Must specify voltage, available in 120V or 277V) [2, 4, 10]
CBP-CEC=Battery Pack with Back Box, Cold Weather Rated, CEC compliant (Must specify voltage, available in 120V or 277V) [2, 4, 10]
R90=Rotated Right 90˚
L90=Rotated Left 90˚
HSS=Factory Installed House Side Shield [16]
LCF=LightSquare Trim Plate Matches Housing Finish [15]
ULG=Uplight Glow [7]
HA=50°C High Ambient [8]
WG=Wire Guard
TR=Tamper Resistant Hardware
BOX=Empty back box (1/2" NPT, each side with plugs installed
BPC=Button Type Photocontrol (Must specify voltage, available in 120, 208, 240, 277V, 347, and 480)
AHD145=After Hours Dim, 5 Hours, 50% [17]
AHD245=After Hours Dim, 6 Hours, 50% [17]
AHD255=After Hours Dim, 7 Hours, 50% [17]
AHD355=After Hours Dim, 8 Hours, 50% [17]
SPB1=Dimming Occupancy Sensor with Bluetooth Interface, <8' Mounting [13, 21]
SPB2=Dimming Occupancy Sensor with Bluetooth Interface, 8'-20' Mounting [13, 21]
SPB4=Dimming Occupancy Sensor with Bluetooth Interface, 21'-40' Mounting [13, 21]
MS-L08=Motion Sensor for ON/OFF Operation, Up to 8' Mounting Height [11, 12, 13]
MS-L20=Motion Sensor for ON/OFF Operation, 9' - 20' Mounting Height [11, 12, 13]
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]
WPS2XX=WaveLinx Pro, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting [19,20]
WPS4XX=WaveLinx Pro, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting [19,20]
CC=Coastal Construction [22]
GRSBK=Glare Reducing Shield, Black [26]
GRSWH=Glare Reducing Shield, White [26]

Accessories (Order Separately) [25]

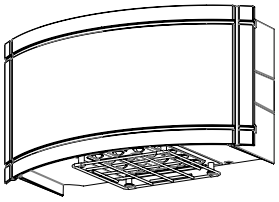
MA1253=10kV Circuit Module Replacement
MA1253-480V=10kV Circuit Module Replacement (480V only)
FSIR-100-PK=Wireless Configuration Tool for Occupancy Sensor [11]
VA6172SA=Wireguard Accessory
VA6173=Tamper-Resistant Driver Bit
VA6174=Vandal Shield Accessory
VA2001-XX=Thru-Way Conduit Box
LS/HSS=House Side Shield (Works with all distributions listed for Entri)
LS/GRSBK-2PK=Glare Reducing Shield, Black [26]
LS/GRSWH-2PK=Glare Reducing Shield, White [26]
LS/PFS=Perimeter Shield, Black [27]
WOLC-7P-10A=WaveLinx Outdoor Control Module (7-pin)

NOTES:
1. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details. DLC Family Code: MMMSPQ
2. EBP or CBP options limited to 25°C. Control option limited to BPC=Button Type Photocontrol (must specify voltage).
3. Extended lead times apply. Use dedicated IES files when performing layouts.
4. Not available with HA option.
5. Cannot be used with other control options.
6. Low voltage control lead brought out 18" outside fixture.
7. ULG only available in 740
8. Not available with ULG option
9. EBP is rated for minimum operating temperature of 0°C (32°F). Operates downlight for 90-minutes.
10. CBP is rated for minimum operating temperature of -20°C (-4°F). Operates downlight for 90-minutes.
11. The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Cooper Lighting
12. Replace LXX with the available mounting height options: L08, L20, L40 or L40W are the only choices.
13. Includes integral photosensor.
14. Bronze sensor is shipped with Bronze fixtures. White sensor shipped on all other housing color options.
15. Not available with HSS option.
16. The light square trim plate is painted black when the HSS option is selected.
17. Requires the use of BPC photocontrol. See After Hours Dim supplemental guide for additional information.
18. Control option limited to BPC=Button Type Photocontrol (must specify voltage).
19. WAC Gateway required to enable field-configurability: Order WAC-PoE and WPOE-120 (10V to PoE injector) power supply if needed.
20. Replace XX with sensor color (WH, BZ, or BK).
21. Smart device with mobile application required to change system defaults. See controls section for details.
22. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654.
23. 2L not available with FF, ULG or AHD options. Controls and/or battery packs operate only one of the two circuits when 2L is specified.
24. 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.
25. Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
26. Not for use with T4FT, T4W, or SL4 optics.
27. Set of 4pcs. One set required per Light Square.

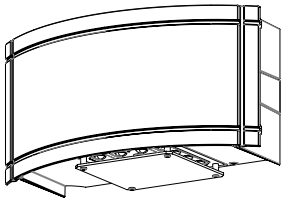
Options & Accessories



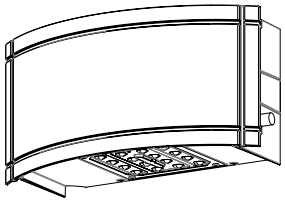
Motion Sensor Location



Wire Guard (WG or VA6172SA)



Vandal Shield (VA6174)

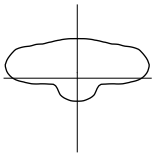


Button Photocell (BPC)

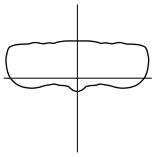
Opical Distributions

Asymmetric Area Distributions

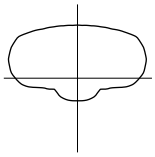
T2
(Type II)



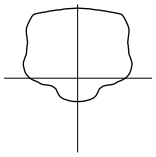
SL2
(Type II with Spill Control)



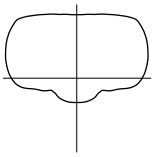
T3
(Type III)



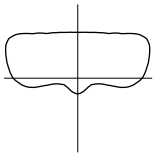
T4FT
(Type IV Forward Throw)



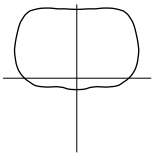
T4W
(Type IV Wide)



SL3
(Type III with Spill Control)

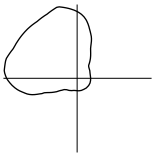


SL4
(Type IV with Spill Control)

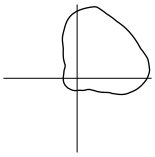


Specialized Distributions

SLL
(90° Spill Light Eliminator Left)



SLR
(90° Spill Light Eliminator Right)



Product Specifications

Construction
- HOUSING: Heavy wall, one-piece, die-cast aluminum construction.
- FACEPLATE / DOOR: One-piece, die-cast aluminum construction. Captive, side hinged faceplate swings open via release of one flush mount diecast aluminum latch on housing side panel.
- GASKET: A one-piece molded silicone gasket creates a reliable seal between the door and housing.
- LENS: Downlight is a molded LightSquare optic with an IP66 rated integrated seal. When equipped, the uplight lens is an impact-resistant tempered frosted glass sealed by a continuous bead silicone gasket.
- HARDWARE: Stainless steel mounting screws and latch hardware included.

Optics
- Choice of 9 patented, high efficiency AccuLED Optics™ distributions.
- 70CRI CCT options range from 2200K to 5700K and 80CRI options are available from 2700K to 3500K. All options are within 5-step MacAdam ellipse SDCM.
- Greater than 98% lumen maintenance at 60,000 hours per IESNA TM-21.

Electrical
- Input voltages options available from 120V to 480V. 480V is only compatible for use with 480V Wye systems.
- Greater than 0.9 power factor, less than 20% harmonic distortion.
- Emergency egress options for -20°C ambient environments, WaveLinx™, occupancy sensor, and dimming options available.
- 10kV surge protection is standard, 20kV is optional.

Mounting
- JUNCTION BOX: Mounts to a standard 4" j-box using the supplied zinc-plated quick-mount plate and EPDM gasket.
- Fixture slides over mounting plate and is secured with two concealed stainless steel fasteners.
- The extended back box is utilized when battery pack options are selected.
- When provisions for surface conduit and through-branch wiring are needed the extended back box should be ordered separately using Accessory VA2001-XX.
- The Entri LED luminaire is approved for mounting on combustible surfaces.
- LightSquare mounts facing downward.

Finish
- Housing is finished in five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear.
- LightSquare cover plates are standard white and may be specified to match finish of luminaire housing using option LCF.
- Standard colors include black, bronze, grey, white, dark platinum and graphite metallic.
- RAL and custom color matches available. Additional lead time and charges apply.

Compliance
- cULus certified for use in -40°C to 40°C ambient environments. Optional 50°C rating available.
- IP66 rated electronics enclosure and optics
- Configurations to meet Buy American Act (BAA) and Trade Agreements Act of 1979 (TAA) are available. Please refer to DOMESTIC PREFERENCES website for more information.

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

Optical Distributions

Supplemental Lumen Tables | View IES files

Power and Lumens

1 LightSquare (SA Series)			ENC (Entri - Round Clean) / ENT (Entri - Triangle Reveals) / ENV (Entri - Round Reveals)						
Drive Current (mA)			EBP / CBP	SA1A (350mA)	SA1B (450mA)	SA1C (600mA)	SA1D (800mA)	SA1E (1000mA)	SA1F (1200mA)
Power (Watts)		120-277V±	13	20.1	25.4	33.3	43.1	57.2	66.1
Current (A)		120V	--	0.17	0.22	0.29	0.38	0.48	0.56
		277V	--	0.09	0.1	0.13	0.17	0.21	0.25
Power (Watts)		347V or 480V	--	23.3	28.7	36.6	49.5	60.7	70.1
Current (A)		347V	--	0.07	0.08	0.11	0.15	0.18	0.21
		480V	--	0.05	0.06	0.08	0.11	0.13	0.16
Optics									
740 CCT	**T2 (Type II)**	Lumens	768	2,721	3,412	4,490	5,619	7,001	7,749
		Lumens per Watt‡	59.1	135.4	134.3	134.8	130.4	122.4	117.2
		BUG Rating	B0-U0-G0	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2
	T2-HSS (Type II, House Side Shield)	Lumens	584	2,069	2,594	3,414	4,272	5,323	5,892
		Lumens per Watt‡	44.9	102.9	102.1	102.5	99.1	93.1	89.1
		BUG Rating	B0-U0-G0	B0-U0-G1	B0-U0-G1	B0-U0-G1	B0-U0-G1	B1-U0-G2	B1-U0-G2
	T2-ULG (Type III, House Side Shield)	Lumens	768	4,499	5,190	6,268	7,397	8,779	9,527
		Lumens per Watt‡	59.1	122.3	123.3	125.4	123.7	118.8	115.1
		BUG Rating	--	--	--	--	--	--	--
	T2-HSS-ULG (Type III, House Side Shield)	Lumens	584	3,847	4,372	5,192	6,050	7,101	7,670
		Lumens per Watt‡	44.9	104.5	103.8	103.8	101.2	96.1	92.6
		BUG Rating	--	--	--	--	--	--	--
	T3 (Type III)	Lumens	786	2,783	3,490	4,593	5,748	7,162	7,927
		Lumens per Watt‡	60.5	138.5	137.4	137.9	133.4	125.2	119.9
		BUG Rating	B0-U0-G0	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G2
	T3-HSS (Type III, House Side Shield)	Lumens	593	2,100	2,634	3,466	4,338	5,405	5,982
		Lumens per Watt‡	45.6	104.5	103.7	104.1	100.6	94.5	90.5
		BUG Rating	B0-U0-G0	B0-U0-G1	B0-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2
	T3-ULG (Type III, House Side Shield)	Lumens	786	4,561	5,268	6,371	7,526	8,940	9,705
		Lumens per Watt‡	60.5	123.9	125.1	127.4	125.9	121.0	117.2
		BUG Rating	--	--	--	--	--	--	--
	T3-HSS-ULG (Type III, House Side Shield)	Lumens	593	3,878	4,412	5,244	6,116	7,183	7,760
		Lumens per Watt‡	45.6	105.4	104.8	104.9	102.3	97.2	93.7
		BUG Rating	--	--	--	--	--	--	--
	T4FT (Type IV Forward Throw)	Lumens	739	2,617	3,282	4,319	5,406	6,735	7,455
		Lumens per Watt‡	56.8	130.2	129.2	129.7	125.4	117.7	112.8
		BUG Rating	B0-U0-G0	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2
	T4FT-HSS (Type IV Forward Throw, House Side Shield)	Lumens	547	1,936	2,428	3,195	3,999	4,982	5,514
		Lumens per Watt‡	42.1	96.3	95.6	95.9	92.8	87.1	83.4
		BUG Rating	B0-U0-G0	B0-U0-G1	B0-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2
	T4FT-ULG (Type III, House Side Shield)	Lumens	739	4,395	5,060	6,097	7,184	8,513	9,233
		Lumens per Watt‡	56.8	119.4	120.2	121.9	120.1	115.2	111.5
		BUG Rating	--	--	--	--	--	--	--
	T4FT-HSS-ULG (Type III, House Side Shield)	Lumens	547	3,714	4,206	4,973	5,777	6,760	7,292
		Lumens per Watt‡	42.1	100.9	99.9	99.5	96.6	91.5	88.1
		BUG Rating	--	--	--	--	--	--	--

Optical Distributions

Supplemental Lumen Tables | View IES files

Power and Lumens

1 LightSquare (SA Series)			ENC (Entri - Round Clean) / ENT (Entri - Triangle Reveals) / ENV (Entri - Round Reveals)						
Drive Current (mA)			EBP / CBP	SA1A (350mA)	SA1B (450mA)	SA1C (600mA)	SA1D (800mA)	SA1E (1000mA)	SA1F (1200mA)
Power (Watts)		120-277V±	13	20.1	25.4	33.3	43.1	57.2	66.1
Current (A)		120V	--	0.17	0.22	0.29	0.38	0.48	0.56
		277V	--	0.09	0.1	0.13	0.17	0.21	0.25
Power (Watts)		347V or 480V	--	23.3	28.7	36.6	49.5	60.7	70.1
Current (A)		347V	--	0.07	0.08	0.11	0.15	0.18	0.21
		480V	--	0.05	0.06	0.08	0.11	0.13	0.16
Optics									
740 CCT	**T4W (Type IV Wide)**	Lumens	772	2,733	3,428	4,511	5,646	7,034	7,785
		Lumens per Watt‡	59.4	136.0	135.0	135.5	131.0	123.0	117.8
		BUG Rating	B0-U0-G0	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G2
	T4W-HSS (Type IV Wide, House Side Shield)	Lumens	576	2,039	2,556	3,364	4,210	5,246	5,806
		Lumens per Watt‡	44.3	101.4	100.6	101.0	97.7	91.7	87.8
		BUG Rating	B0-U0-G0	B0-U0-G1	B0-U0-G1	B0-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2
	T4W-ULG (Type III, House Side Shield)	Lumens	772	4,511	5,206	6,289	7,424	8,812	9,563
		Lumens per Watt‡	59.4	122.6	123.7	125.8	124.1	119.2	115.5
		BUG Rating	--	--	--	--	--	--	--
	T4W-HSS-ULG (Type III, House Side Shield)	Lumens	576	3,817	4,334	5,142	5,988	7,024	7,584
		Lumens per Watt‡	44.3	103.7	102.9	102.8	100.1	95.0	91.6
		BUG Rating	--	--	--	--	--	--	--
	SL2 (Type II w/Spill Control)	Lumens	762	2,700	3,386	4,456	5,577	6,948	7,690
		Lumens per Watt‡	58.6	134.3	133.3	133.8	129.4	121.5	116.3
		BUG Rating	B0-U0-G0	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2
	"SL2-HSS (Type II w/Spill Control, House Side Shield)"	Lumens	624	2,210	2,771	3,646	4,564	5,686	6,293
		Lumens per Watt‡	48.0	110.0	109.1	109.5	105.9	99.4	95.2
		BUG Rating	B0-U0-G0	B0-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2
	"SL2-ULG (Type III, House Side Shield)"	Lumens	762	4,478	5,164	6,234	7,355	8,726	9,468
		Lumens per Watt‡	58.6	121.7	122.7	124.7	123.0	118.1	114.3
		BUG Rating	--	--	--	--	--	--	--
	"SL2-HSS-ULG (Type III, House Side Shield)"	Lumens	624	3,988	4,549	5,424	6,342	7,464	8,071
		Lumens per Watt‡	48.0	108.4	108.1	108.5	106.1	101.0	97.5
		BUG Rating	--	--	--	--	--	--	--
	"SL3 (Type III w/Spill Control)"	Lumens	757	2,682	3,363	4,425	5,539	6,901	7,638
		Lumens per Watt‡	58.2	133.4	132.4	132.9	128.5	120.6	115.6
		BUG Rating	B0-U0-G0	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2
	"SL3-HSS (Type III w/Spill Control, House Side Shield)"	Lumens	647	2,290	2,872	3,780	4,731	5,894	6,524
		Lumens per Watt‡	49.8	113.9	113.1	113.5	109.8	103.0	98.7
		BUG Rating	B0-U0-G0	B0-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2
	"SL3-ULG (Type III, House Side Shield)"	Lumens	757	4,460	5,141	6,203	7,317	8,679	9,416
		Lumens per Watt‡	58.2	121.2	122.1	124.1	122.4	117.4	113.7
		BUG Rating	--	--	--	--	--	--	--
	"SL3-HSS-ULG (Type III, House Side Shield)"	Lumens	647	4,068	4,650	5,558	6,509	7,672	8,302
		Lumens per Watt‡	49.8	110.5	110.5	111.2	108.8	103.8	100.3
		BUG Rating	--	--	--	--	--	--	--
	"SL4 (Type IV w/Spill Control)"	Lumens	732	2,592	3,250	4,277	5,353	6,670	7,383
		Lumens per Watt‡	56.3	129.0	128.0	128.4	124.2	116.6	111.7
		BUG Rating	B0-U0-G0	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2
	"SL4-HSS (Type IV w/Spill Control, House Side Shield)"	Lumens	633	2,243	2,813	3,701	4,633	5,772	6,389
		Lumens per Watt‡	48.7	111.6	110.7	111.1	107.5	100.9	96.7
		BUG Rating	B0-U0-G0	B0-U0-G1	B0-U0-G1	B0-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2

Optical Distributions

Supplemental Lumen Tables | View IES files

Power and Lumens

1 LightSquare (SA Series)			ENC (Entri - Round Clean) / ENT (Entri - Triangle Reveals) / ENV (Entri - Round Reveals)						
Drive Current (mA)			EBP / CBP	SA1A (350mA)	SA1B (450mA)	SA1C (600mA)	SA1D (800mA)	SA1E (1000mA)	SA1F (1200mA)
Power (Watts)		120-277V±	13	20.1	25.4	33.3	43.1	57.2	66.1
Current (A)		120V	--	0.17	0.22	0.29	0.38	0.48	0.56
		277V	--	0.09	0.1	0.13	0.17	0.21	0.25
Power (Watts)		347V or 480V	--	23.3	28.7	36.6	49.5	60.7	70.1
Current (A)		347V	--	0.07	0.08	0.11	0.15	0.18	0.21
		480V	--	0.05	0.06	0.08	0.11	0.13	0.16
Optics									
740 CCT	**SL4-ULG (Type III, House Side Shield)**	Lumens	732	4,370	5,028	6,055	7,131	8,448	9,161
		Lumens per Watt‡	56.3	118.8	119.4	121.1	119.2	114.3	110.6
		BUG Rating	--	--	--	--	--	--	--
	SL4-HSS-ULG (Type III, House Side Shield)	Lumens	633	4,021	4,591	5,479	6,411	7,550	8,167
		Lumens per Watt‡	48.7	109.3	109.0	109.6	107.2	102.2	98.6
		BUG Rating	--	--	--	--	--	--	--
	SLR (90° Spill Light Eliminator Right)	Lumens	682	2,417	3,031	3,989	4,992	6,220	6,885
		Lumens per Watt‡	52.5	120.2	119.3	119.8	115.8	108.7	104.2
		BUG Rating	B0-U0-G0	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2
	SLR-HSS (90° Spill Light Eliminator Right, House Side Shield)	Lumens	580	2,055	2,577	3,392	4,245	5,289	5,854
		Lumens per Watt‡	44.6	102.2	101.5	101.9	98.5	92.5	88.6
		BUG Rating	B0-U0-G0	B0-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2
	SLR-ULG (Type III, House Side Shield)	Lumens	682	4,195	4,809	5,767	6,770	7,998	8,663
		Lumens per Watt‡	52.5	114.0	114.2	115.3	113.2	108.2	104.6
		BUG Rating	--	--	--	--	--	--	--
	SLR-HSS-ULG (Type III, House Side Shield)	Lumens	580	3,833	4,355	5,170	6,023	7,067	7,632
		Lumens per Watt‡	44.6	104.2	103.4	103.4	100.7	95.6	92.2
		BUG Rating	--	--	--	--	--	--	--
	SLL (90° Spill Light Eliminator Left)	Lumens	682	2,417	3,031	3,989	4,992	6,220	6,885
		Lumens per Watt‡	52.5	120.2	119.3	119.8	115.8	108.7	104.2
		BUG Rating	B0-U0-G0	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2
	SLL-HSS (90° Spill Light Eliminator Left, House Side Shield)	Lumens	580	2,055	2,577	3,392	4,245	5,289	5,854
		Lumens per Watt‡	44.6	102.2	101.5	101.9	98.5	92.5	88.6
		BUG Rating	B0-U0-G0	B0-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1
	SLL-ULG (Type III, House Side Shield)	Lumens	682	4,195	4,809	5,767	6,770	7,998	8,663
		Lumens per Watt‡	52.5	114.0	114.2	115.3	113.2	108.2	104.6
		BUG Rating	--	--	--	--	--	--	--
	SLL-HSS-ULG (Type III, House Side Shield)	Lumens	580	3,833	4,355	5,170	6,023	7,067	7,632
		Lumens per Watt‡	44.6	104.2	103.4	103.4	100.7	95.6	92.2
		BUG Rating	--	--	--	--	--	--	--

Optical Distributions

View IES files

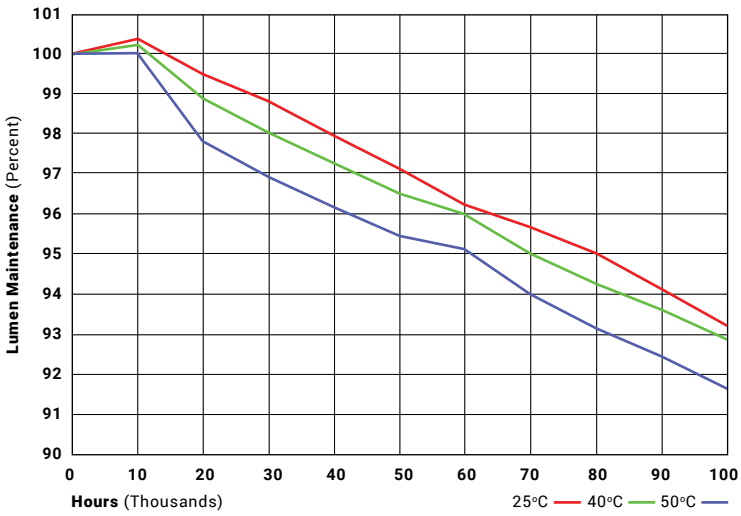
Lumen Maintenance

SA1 (All Drive Currents)					
Hours	25,000 Hours*	50,000 Hours*	60,000 Hours*	100,000 Hours **	Theoretical L70 (Hours) **
25°C	99.4%	99.0%	98.9%	98.3%	2,471,000
40°C	99.4%	99.0%	98.9%	98.3%	2,471,000
50°C	99.4%	99.0%	98.9%	98.3%	2,471,000

* Supported by IES TM-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 IES TM-21 and LM-80.

Lumen Multiplier

Ambient Temperature	Lumen Multiplier
10°C	1.02
15°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97



Control Options

0-10V

This fixture is offered standard with 0-10V dimming driver(s). The DIM option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

Photocontrol (BPC)

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.

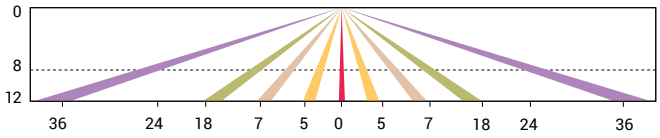
After Hours Dim (AHD)

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.

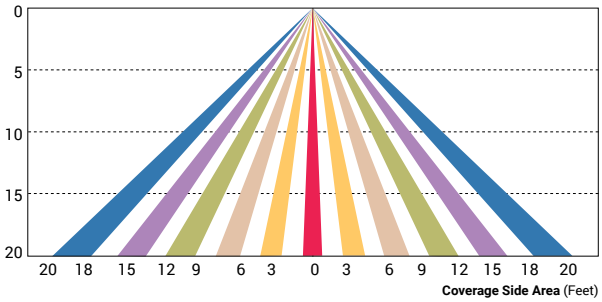
Dimming Occupancy Sensor (MS/DIM-LXX and MS-LXX)

These sensors are factory installed in the luminaire housing. When the SPB or MS/DIM sensor options are selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes. The MS-LXX sensor is factory preset to turn the luminaire off after five minutes of no activity. SPB motion sensors require the Sensor Configuration mobile application by Wattstopper to change factory default dimming level, time delay, sensitivity and other parameters. Available for iOS and Android devices. The SPB sensor is factory preset to dim down to approximately 10% power with a time delay of five minutes. The MS/DIM occupancy sensors require the FSIR-100 programming tool to adjust factory defaults.

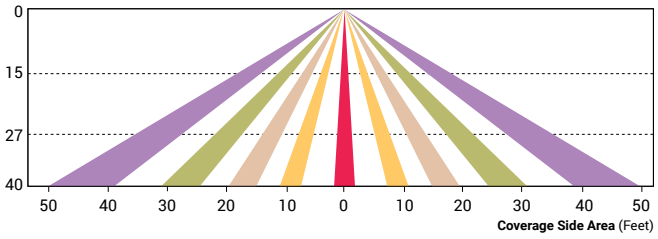
For mounting heights up to 8' (SPB1, -L08)



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



For mounting heights up to 40' (-L40W)



WaveLinx Wireless Control and Monitoring System

Available in 7-PIN or 4-PIN configurations, the WaveLinx Outdoor control platform operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. Use the WaveLinx Mobile application for set-up and configuration. At least one Wireless Area Controller (WAC) is required for full functionality and remote communication (including adjustment of any factory pre-sets). WaveLinx Outdoor Control Module (WOLC-7P-10A) A photocontrol that enables 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 (WPS2 and WPS4) These outdoor sensors offer passive infrared (PIR) occupancy and a photocell for closed loop daylight sensing. These sensors are factory preset to dim down to approximately 50 percent power after 15 minutes of no activity detected. These occupancy sensors include an integral photocell for "dusk-to-dawn" control or daylight harvesting that is factory-enabled. A variety of sensor lenses areavailable to optimize the coverage pattern fo mounting heights from 7'-20', only applies for typical wall packs.

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