



# WALL BRACKET

## BSW 100 SERIES

OCCUPANCY SENSOR CONTROLLED STAIRWELL WALL BRACKET LUMINAIRE

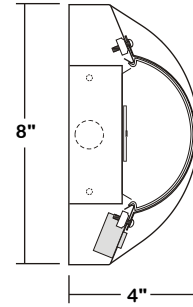


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JOB	

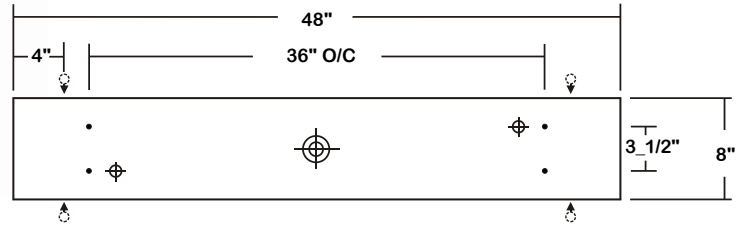
WWW.LALIGHTING.COM  
626-454-8300

### WALL MOUNTED LED LUMINAIRE

### DIMENSIONS



- 3/8" K.O.
- ⊕ 7/8" OFFSET K.O.
- ⊕ 2" K.O.
- 7/8" K.O. ON SIDE OF HOUSING FOR 1/2" CONDUIT



### APPLICATIONS

- Stairwell, Wall Mount Areas, Commercial

### FEATURES

- ADA Compliant
- 0-10V dimming driver standard (See *DRIVER OPTIONS* for other dimming types)
- Supports California Title 24 compliance

### OPTIONS

- Full customization available upon request
- Additional lumen packages and color temperatures available
- Wireless control options available (See *SENSOR OPTIONS* for wireless controls)
- Custom colors available (See *CUSTOM COLORS* for standard and custom options)
- Emergency battery pack available (See *BATTERY PACK OPTIONS* for battery pack options)
- Lens retainer with tamper proof screws available

### SPECIFICATIONS

#### CONSTRUCTION

- 22 ga. cold rolled steel welded housing

#### FINISH

- Baked white powder coated finish / painted after fabrication / minimum reflectance 90%

#### OPTICAL

- Frosted radial lens to maximize lumen output while cutting glare

#### ELECTRICAL

- High efficiency drivers coupled with long-life LEDs
- Service life greater than 50,000 hours (L70)
- Universal voltage 120V through 277V (347V / 480V available)
- Power Factor (PF) ≥ 0.9
- Total Harmonic Distortion (THD) ≤ 20%

#### LISTING

- UL USA and Canada listed / suitable for damp locations

#### WARRANTY

- 5-year limited warranty



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Revised 10-22-18

**WARNING**

ORDERING INFORMATION

EXAMPLE: BSW100-4-4L-TP-MSU-BPL10-1DRDM-UNV-1/840

SERIES	LED LUMEN PACKAGE	EFFICACY	NOMINAL LENGTH	MECHANICAL	SENSOR CONFIGURATION	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROW	CRI / CCT
<b>BSW100</b>			<b>4L</b>				<b>1DRDM</b>	<b>UNV</b>	<b>1</b>	
<b>BSW100</b> Occupancy Sensor Controlled Stairwell Wall Bracket LED Luminaire	2 Nom. 2000 Lumens 4 Nom. 4000 Lumens 6 Nom. 6000 Lumens  <b>*Additional Lumen Packages Available</b>	(Blank) Standard  <b>HE</b> High Efficacy	<b>4L</b> 4'	<b>TP</b> Lens Retainer with Tamper Proof Screws (Hex Socket with Pad)  *Leave Blank if Not Specified  <u>Additional Mechanical Options</u>	<b>MSUxxx</b> Motion Sensor Ultrasonic  <u>See SENSOR CONFIGURATION for Options</u>	<b>BPL10</b> Emergency Battery Pack, Constant 10W Nom. 1500 lm  <u>See BATTERY PACK OPTIONS for Options</u>  <b>WLC(LED RU)</b> EnOcean Wireless Control  <u>See SENSOR OPTIONS for Options</u>  *Leave Blank if Not Specified  <u>Additional Electrical Options</u>	<b>1DRDM</b> 0-10V One Dimming Driver  <u>See DRIVER OPTIONS for Options</u>	<b>UNV</b> 120V-277V  <u>See DRIVER OPTIONS for Options</u>	<b>1</b> One LED Row	<b>830</b> 80+CRI / 3000K Color Temp.  <b>835</b> 80+CRI / 3500K Color Temp.  <b>840</b> 80+CRI / 4000K Color Temp.  <b>850</b> 80+CRI / 5000K Color Temp.  *Additional Color Temp. Available

SYSTEM DATA

THESE ARE THE MOST POPULAR LUMEN PACKAGES. PLEASE CONSULT FACTORY FOR ADDITIONAL SYSTEM DATA.

LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
2000 Lumens (Nominal)	BSW100-2-4L-1DRDM-UNV-1/840	2042 lm	15.7 W	129.9 lm/W	-20°C / 35°C	1-F32T8	*
4000 Lumens (Nominal)	BSW100-4-4L-1DRDM-UNV-1/840	3901 lm	33.1 W	117.7 lm/W	-20°C / 35°C	2-F32T8, 1-F54T5HO	<a href="#">LA-T3358</a>
6000 Lumens (Nominal)	BSW100-6-4L-1DRDM-UNV-1/840	5576 lm	52.3 W	106.6 lm/W	-20°C / 35°C	3-F32T8	*

LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE (HIGH EFFICACY) PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
2000 Lumens (Nominal)	BSW100-2HE-4L-1DRDM-UNV-1/840	2049 lm	12.6 W	163.2 lm/W	-20°C / 35°C	1-F32T8	*
4000 Lumens (Nominal)	BSW100-4HE-4L-1DRDM-UNV-1/840	3642 lm	23.2 W	157.1 lm/W	-20°C / 35°C	2-F32T8, 1-F54T5HO	*
6000 Lumens (Nominal)	BSW100-6HE-4L-1DRDM-UNV-1/840	5502 lm	36.8 W	149.5 lm/W	-20°C / 35°C	3-F32T8	*

**NOTE:**  
System data is based on 120V input voltage. Actual performance may differ as a result of end-user environment and application.

This fixture has been tested and listed in accordance with UL Standards. L.A. Lighting certifies that it will operate safely when installed properly, and within an ambient temperature range noted in the system data table.

Additional lumen packages and color temperatures available.

PERFORMANCE DATA

[VIEW PHOTOMETRICS](#)



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**SENSOR OPTIONS**

**MOTION SENSOR OPTIONS**

**MSU - Motion Sensor Ultrasonic**

- Turns light ON/OFF based on motion detection
- Holds light ON at 100% for 10 minutes, after 10 minutes with no motion, light will turn OFF
- Universal Voltage (120V-277V)

**MSUSD - Motion Sensor Ultrasonic – Step Dimming**

- Full ON when motion is detected
- Holds light ON at 100% for 10 minutes
- After 10 minutes with no motion, light will dim down to 25% until motion is detected again
- Universal Voltage (120V-277V)

**MSUSDO - Motion Sensor Ultrasonic – Step Dimming-to-Off**

- Full ON when motion is detected
- Holds light ON at 100% for 15 minutes
- After 15 minutes with no motion, light will dim down to 25% for 45 minutes and then OFF, until motion is detected again
- Universal Voltage (120V-277V)



**CONTROLS AND SENSORS**

**WLC(LED RU) - EnOcean® LED Relay Zone Controller**

- Supports a single LED fixture or multiple daisy chained LED fixtures
- Module installed inside lighting fixture

**ESRPU-W-EO - EnOcean® Rocker Switch – Single – Surface Mount**

- Wireless single rocker switch with mounting plate
- No batteries needed

**EDRPU-W-EO - EnOcean® Rocker Switch – Double – Surface Mount**

- Wireless double rocker switch with mounting plate
- No batteries needed

**S3054-N300 - EnOcean® Navigan NWC 300U – Commissioning Tool**

- Navigan Wireless Commissioner is used to configure EnOcean controllers & sensors
- It can be used to define link tables, change parameters/settings, and to edit & store projects
- Configuration settings can be saved and cloned to enable quick configuration
- Connectivity is through the NWC 300U USB Stick

**EOSWU-W-EO - EnOcean® Occupancy Sensor – Wall Mount**

- Wireless wall mounted occupancy sensor
- Solar powered - no batteries needed (coin battery operated in low light conditions)
- PIR motion sensor with both wide angle (50') and long range (100') options
- Mounting height: 6-8 feet

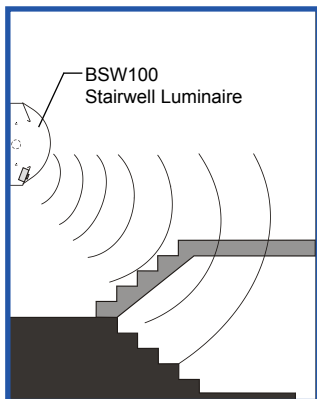
**EOSCU-W-EO - EnOcean® Occupancy Sensor – Ceiling Mount**

- Wireless ceiling mounted occupancy sensor
- Solar powered - no batteries needed (coin battery operated in low light conditions)
- PIR motion sensor with 360 degree viewing angle lens (34' diameter)
- Mounting height: 7-10 feet

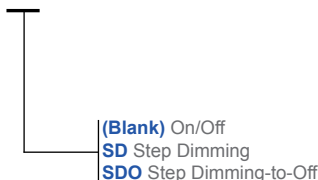
**ELLSU-W-EO - EnOcean® Light Level Sensor – Ceiling Mount**

- Light Level sensor that measures and reports the level of available natural light
- Solar powered - no batteries needed (coin battery operated in low light conditions)
- Enables implementation of daylight harvesting control systems
- Mounting position: At the ceiling, close to ambient light source

**SENSOR CONFIGURATION**



**MSU**



**MSU Motion Sensor Ultrasonic**

- Ultrasonic occupancy sensor for wall mount applications
- Sensor mounted at 20° from vertical for optimum sensor performance
- 24' diameter coverage at 8' mounting height
- Time delay 1 adjustable 5 seconds to 30 minutes
- Time delay 2 adjustable 10 seconds to ∞



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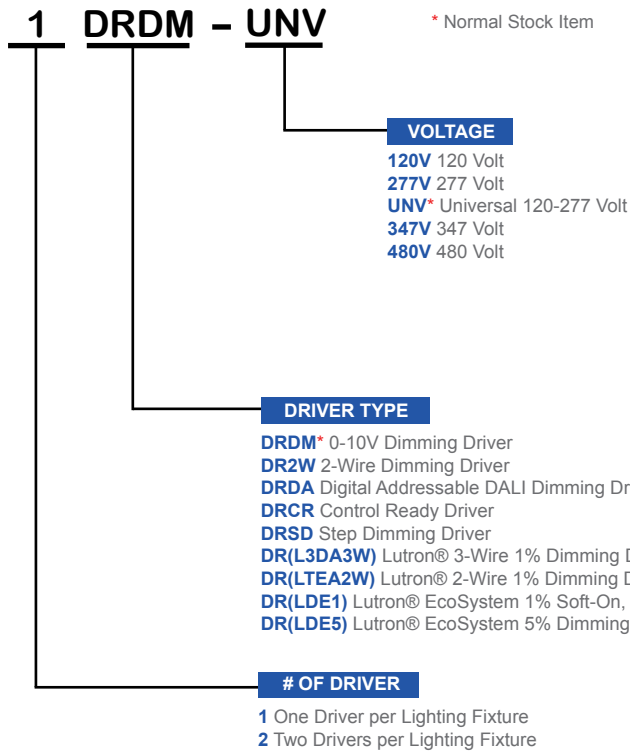
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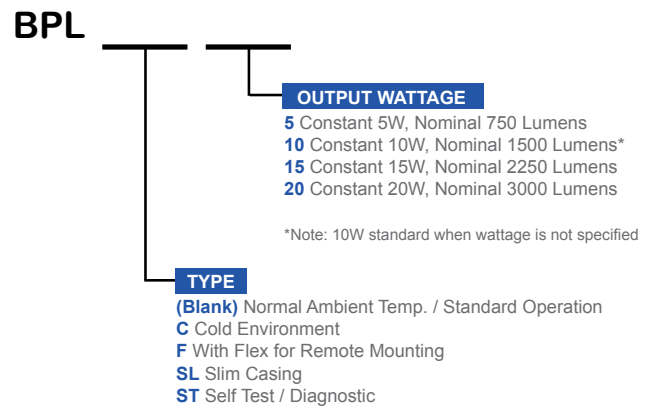
**DRIVER OPTIONS**

PLEASE CONSULT FACTORY TO SEE IF YOUR SELECTED DRIVER OPTION WORKS WITH THIS FIXTURE.



**BATTERY PACK OPTIONS**


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**CUSTOM COLORS**

BLK - Matte Black
CS - Camaro Silver
BZ - Statuary Bronze

Variety of RAL colors & Axalta/DuPont colors available upon request.




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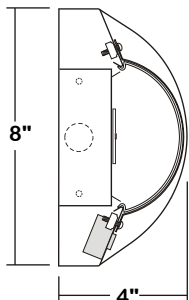
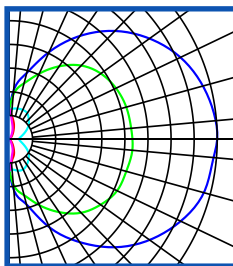
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**PHOTOMETRIC DATA - BSW100 SERIES**

**BSW100-4-4L-1DRDM-UNV-1/840**

TEST NO.=LA-T3358  
 LED TYPE= 48 LED MODULE  
 NO. OF MODULE=2  
 SYSTEM WATT (W)=33.1  
 CRI ≥ 80  
 L70(Hrs.) ≥ 50,000  
 PHOTOMETRY TYPE=C



**CANDLEPOWER**

ANGLE	END	45	CROSS
0	181	181	181
5	291	258	175
15	385	330	185
25	555	415	189
35	716	507	177
45	871	593	158
55	1001	651	136
65	1105	695	103
75	1177	707	75
85	1198	722	59
90	1215	720	56
95	1211	715	58
105	1172	707	75
115	1104	688	104
125	1000	563	136
135	873	594	159
145	719	507	181
155	549	413	185
165	391	330	181
175	281	254	175
180	173	173	173

**ZONAL LUMEN SUMMARY**

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	188	4	5
0-40	357	8	9
0-60	877	20	22
0-90	1952	46	50
90-120	1072	25	27
90-150	1762	41	45
90-180	1949	46	50
0-180	3901	91	100

Luminaire Output= 3901 lumens  
 Luminaire Efficacy = 117.9 lm/W

**SPACING CRITERION**

ALONG	ACROSS
5.08	1.79

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