



WALL BRACKET

BSW 100

SERIES 2FT, 4FT
ULTRASONIC STAIRWELL WALL BRACKET LUMINAIRE

LED

JOB	
TYPE	
DATE	

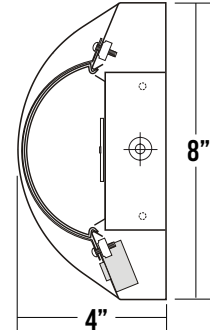
SURFACE MOUNTED LED LUMINAIRE



Optional lens retainer with tamper proof screws

$\frac{7}{8}$ " \otimes Knockouts on sides of luminaire

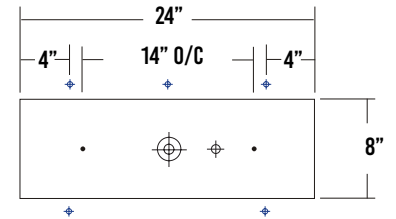
CROSS SECTION



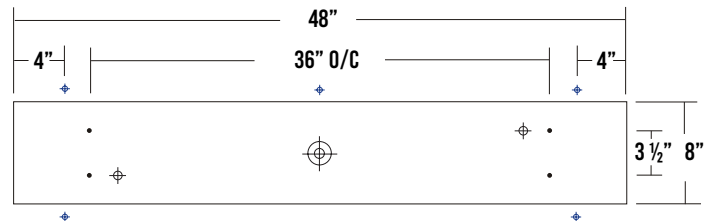
- \otimes 2" K.O.
- \otimes $\frac{7}{8}$ " K.O.
- $\frac{3}{8}$ " K.O.

$\frac{7}{8}$ " \otimes Knockouts on sides of luminaire

2' BACKPLATE



4' BACKPLATE



SPECIFICATIONS

CONSTRUCTION

- 22 gauge cold-rolled steel welded housing

FINISH

- Baked white powder coated finish
- Minimum reflectance 90%
- Painted after fabrication

OPTICAL

- Frosted smooth acrylic snap-in lens

ELECTRICAL

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

LISTING

- UL USA and Canada listed / suitable for damp locations

WARRANTY

5-Year limited warranty standard. 10-Year limited warranty also available

APPLICATIONS

- Commercial, Stairwell, Wall Mount Areas

FEATURES

- 0-10V Dimming driver standard
- ADA Compliant (protrudes no more than 4" into walkway)
- Supports California Title 24 compliance

OPTIONS

- Ultrasonic motion sensor
- Controls
- Cord & plug
- Lens retainer and sensor cover with tamper proof screws
- Custom housing colors
- Emergency battery pack
- Tunable white (2700K - 6500K)
- Customization available upon request

CUSTOM COLORS

BLK - Matte Black

CS - Camaro Silver

BZ - Statuary Bronze



Variety of RAL colors available upon request.



Los Angeles Lighting Mfg. Co.
Contact Us
T: 626-454-8300
F: 626-454-8399
www.lalighting.com
10141 Olney Street
El Monte, CA 91731
Made in the USA



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ORDERING INFORMATION

ADDITIONAL OPTIONS AVAILABLE. VISIT WWW.LALIGHTING.COM/RESOURCES FOR MORE INFORMATION

EXAMPLE: BSW100-4-4L-MSUSD-DRDM-UNV-1/840

SERIES	NOMINAL LED LUMENS	NOMINAL LENGTH	MECHANICAL	CONTROLS	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROWS	CRI / CCT
BSW100								1	
BSW100 • Ultrasonic Wall Bracket Luminaire	1 - 1000lm 2 - 2000lm 4 - 4000lm 8 - 8000lm High Efficacy 1HE - 1000lm 2HE - 2000lm 3HE - 3000lm	2 • 2L	TP • Lens Retainer and Sensor Cover with Tamper Proof Screws *Leave blank if not specified	(Blank) • No Sensor MSUSD • Ultrasonic Motion Sensor w/ Step Dimming	BPL1.5 • 1500lm Emergency Battery Pack *Leave blank if not specified	DRDM • 0-10V Dimming Driver	UNV • 120V-277V 120V • 120 Volt 277V • 277 Volt 347V • 347 Volt 480V • 480 Volt	1 • 1 LED Rows	830 • 80+CRI / 3000K 835 • 80+CRI / 3500K 840 • 80+CRI / 4000K 850 • 80+CRI / 5000K 8TW • 80+CRI Tunable White 2700K-6500K <i>Contact customer service for additional CRI / CCT packages, including 90CRI</i>
	2 - 2000lm 4 - 4000lm 8 - 8000lm 16 - 16000lm High Efficacy 2HE - 2000lm 4HE - 4000lm 6HE - 6000lm	4 • 4L		WLC(LED RU) • Wireless Control *Leave blank if not specified					

Standard options for BSW100 shown above. For additional options, including lumen packages, controls, lenses, switches, finishes, and more, visit www.lalighting.com/resources or contact customer service.

ULTRASONIC MOTION SENSOR

About Ultrasonic Motion Sensors

An ultrasonic motion sensor is triggered by sound, allowing it to detect motion behind stairs, walls, and other obstructions. This allows the luminaire to illuminate an area before a person even enters the space.



Ordering Example

BSW100 4 4L MSUSD DRDM UNV 1 840

Ultrasonic Sensor Type

MSU On/Off

Luminaire turns on when motion is detected and turns off after a set interval with no motion.

MSUSD Step Dimming

Luminaire brightens when motion is detected and dims after a set interval with no motion. Typical setting for stairwells that require illumination even when vacant.

MSUSDO Step Dimming-to-Off

Luminaire turns on when motion is detected, dims after a set interval with no motion, then turns off after a second interval with no motion.

Ultrasonic Sensor Features

- Sensor positioned 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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SYSTEM DATA

ADDITIONAL LUMEN PACKAGES AVAILABLE. CONTACT CUSTOMER SERVICE FOR MORE INFORMATION

2' - LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
1000 Lumens (Nominal)	BSW100-1-2L-MSU-DRDM-UNV-1/840	942	7.6	123.4 lm/W	-20°C / 35°C (-4°F / 95°F)	1-F17T8	*
2000 Lumens (Nominal)	BSW100-2-2L-MSU-DRDM-UNV-1/840	1850	14.1	130.9 lm/W	-20°C / 35°C (-4°F / 95°F)	2-F17T8, 1-F24T5HO	LA-T3682
4000 Lumens (Nominal)	BSW100-4-2L-MSU-DRDM-UNV-1/840	3750	27.3	137.4 lm/W	-20°C / 35°C (-4°F / 95°F)	4-F17T8, 2-F24T5HO	*
8000 Lumens (Nominal)	BSW100-8-2L-MSU-DRDM-UNV-1/840	7354	52.3	140.4 lm/W	-20°C / 35°C (-4°F / 95°F)	4-F24T5HO, 2-F54T5HO	*
2' - LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE (HIGH EFFICACY) PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
1000 Lumens (Nominal)	BSW100-1-2L-MSU-DRDM-UNV-1/840	1018	7.5	135.8 lm/W	-20°C / 35°C (-4°F / 95°F)	1-F17T8	*
2000 Lumens (Nominal)	BSW100-2-2L-MSU-DRDM-UNV-1/840	1811	12.4	146.3 lm/W	-20°C / 35°C (-4°F / 95°F)	2-F17T8, 1-F24T5HO	*
3000 Lumens (Nominal)	BSW100-3-2L-MSU-DRDM-UNV-1/840	2736	18.7	146.4 lm/W	-20°C / 35°C (-4°F / 95°F)	3-F17T8	*

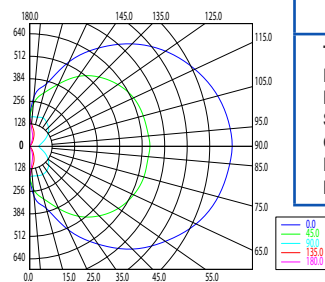
4' - LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
2000 Lumens (Nominal)	BSW100-2-4L-MSU-DRDM-UNV-1/840	1895	13.4	141.2 lm/W	-20°C / 35°C (-4°F / 95°F)	1-F32T8	*
4000 Lumens (Nominal)	BSW100-4-4L-MSU-DRDM-UNV-1/840	3693	26.7	138.2 lm/W	-20°C / 35°C (-4°F / 95°F)	2-F32T8 1-F54T5HO	LA-T3753b
8000 Lumens (Nominal)	BSW100-8-4L-MSU-DRDM-UNV-1/840	7542	51.1	147.4 lm/W	-20°C / 35°C (-4°F / 95°F)	4-F32T8 2-F54T5HO	*
16000 Lumens (Nominal)	BSW100-16-4L-MSU-DRDM-UNV-1/840	14791	97.9	151.0 lm/W	-20°C / 35°C (-4°F / 95°F)	4-F54T5HO	*
4' - 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-MSU-DRDM-UNV-1/840	2049	13.5	151.2 lm/W	-20°C / 35°C (-4°F / 95°F)	1-F32T8	*
4000 Lumens (Nominal)	BSW100-4HE-4L-MSU-DRDM-UNV-1/840	3642	23.5	155.3 lm/W	-20°C / 35°C (-4°F / 95°F)	2-F32T8 1-F54T5HO	*
6000 Lumens (Nominal)	BSW100-6HE-4L-MSU-DRDM-UNV-1/840	5503	36.4	151.2 lm/W	-20°C / 35°C (-4°F / 95°F)	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.

PHOTOMETRIC DATA



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

TEST NO. = [LA-T3753b](#)
 LED TYPE = 48 LED MODULE
 NO. OF MODULE = 2
 SYSTEM WATT (W) = 33.1
 CRI ≥ 80
 L70(Hrs.) ≥ 50,000
 PHOTOMETRY TYPE = C

ZONAL LUMEN SUMMARY

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	188	4.4	4.8
0-40	357	8.3	9.1
0-60	877	20.5	22.5
0-90	1952	45.6	50.0
90-120	1071	25.0	27.5
90-180	1949	45.5	50.0
0-180	3721	91.1	100.0

SPACING CRITERION

ALONG	ACROSS
5.08	1.79

Luminaire Output = 3721 lumens
 Luminaire Efficacy = 117.89 lm/W
 Luminaire Efficiency = 91.1%



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