

FEATURES & SPECIFICATIONS

INTENDED USE — Our recessed LED module is the most economical means to create a well lit environment with exceptional energy efficiency and near zero maintenance. Great for retrofit into existing downlight cans or new construction and remodel applications. Unique torsion spring and friction clip retention allows fitment into nearly 100% of installed cans. The LED module maintains at least 70% light output for 50,000 hours.

CONSTRUCTION — Aluminum die cast reflector with deep baffle configuration for reduced glare. Combined LED and driver printed circuit board attached. Inner reflector cone funnels light through the pressed-in diffused lens.

Baffle and open trim inserts are available in multiple finishes.

OPTICS — Diffused lens at end of mixing chamber to provide even light distribution for general illumination, equivalent to 65W BR30 or 100W BR30 lamp.

Wide flood beam angle at >45°.

ELECTRICAL — Center 2 Edge™ (patent pending) technology created for a single point source. Primary power disconnect provided for simple connection to a dedicated LED connector in the housing.

Dimming down to 10%. For compatible dimmers, refer to [Compatible Dimmers Chart](#).

725-lumen P series has an input wattage of 12.7 watts, 57 lumens per watt, equivalent to 65-watt incandescent.

P Series' patent pending driver has zero inrush, which allows power loads to be calculated with actual rated wattages.

Example: 47 units of 6BPMW LED fixtures can be installed in line with a 600-watt dimmer. 600W/12.7W = 47 fixtures.

950-lumen P series has an input wattage of 15.2 watts, 63 lumens per watt, equivalent to 100-watt incandescent.

INSTALLATION — Suitable for installation in standard and shallow-height rough-in sections.

E26 socket adaptor and splice kit ships standard. This enables easy installation or permanent conversion to an LED source for Title 24 compliance.

Twin torsion springs ensure easy installation.

Friction clips included to allow fitment into cans without torsion brackets from an inside diameter of 6.0" to 7.0".

LISTINGS — CSA certified to US and Canadian safety standards. California T24 compliant. Wet location listed for indoor use only. WSEC ASTM E283 for Air-Tight (with IC housings). ENERGY STAR® certified product.

WARRANTY — 5-year limited warranty. Complete warranty terms located at

www.acuitybrands.com/CustomResources/Terms_and_conditions.aspx

Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

PATENTS PENDING.

Catalog Number
Notes
Type

LED Recessed Downlighting

6BP/60P

6" LED Module

IC/Non-IC
Retrofit



Torsion mount shown



Friction clip shown
(included)



E26 adaptor
(included)



Splice kit
(included)

Specifications

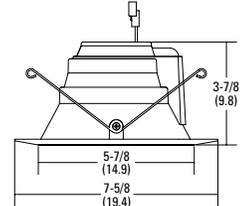
Aperture: 5-7/8 (14.9)

Ceiling opening: Determined by rough-in

Overlap trim: 7-5/8 (19.4)

Height: 3-7/8 (9.8)

All dimensions are inches (centimeters) unless otherwise indicated.



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: 6BP TRMW LED 27K 90CRI

Series/Finish	Lamp	CCT / CRI / W / Lumens ¹	Voltage	Options
6BPMW 6" Baffle LED module, matte white	LED	(blank) 3000 K / 83 CRI / 12.7W / 725L	(blank) 120V	L7XLED T24 New construction rough-in LED base
6BP TRMW 6" Baffle LED module, black baffle, matte white flange		27K 90CRI 2700 K / 93 CRI / 10.25W / 600L		L7XRLED T24 Remodel rough-in LED base
6BPBN 6" Baffle LED module, brushed nickel		30K 90CRI 3000 K / 93 CRI / 10.25W / 600L		LC6LED T24 New construction rough-in LED base
6BPORB 6" Baffle LED module, oil-rubbed bronze		40K 90CRI 4000K / 92CRI / 9.9W / 650L		L7X New construction rough-in ²
	HL LED	(blank) 3000 K / 83 CRI / 15.2W / 950L		L7XR Remodel rough-in ²
		27K 90CRI 2700 K / 93 CRI / 16.7W / 860L		L7XP New construction shallow rough-in ²
		30K 90CRI 3000 K / 93 CRI / 16.7W / 860L		L7XPR Remodel shallow rough-in ²
		40K 90CRI 4000K / 92CRI / 16.4W / 950L		LC6 New construction rough-in ²
				LCP New construction shallow rough-in ²
60PA 6" Open LED module, clear diffuse	LED	(blank) 3000 K / 83 CRI / 12.7W / 725L	(blank) 120V	L7XLED T24 New construction rough-in LED base
60PAZ 6" Open LED module, clear specular		27K 90CRI 2700 K / 93 CRI / 10.25W / 600L		L7XRLED T24 Remodel rough-in LED base
60PA TRMW 6" Open LED module, clear diffuse, matte white flange		30K 90CRI 3000 K / 93 CRI / 10.25W / 600L		LC6LED T24 New construction rough-in LED base
60PAZ TRMW 6" Open LED module, clear specular, matte white flange		40K 90CRI 4000K / 92CRI / 9.9W / 650L		L7X New construction rough-in ²
	HL LED	(blank) 3000 K / 83 CRI / 15.2W / 950L		L7XR Remodel rough-in ²
		27K 90CRI 2700 K / 93 CRI / 16.7W / 860L		L7XP New construction shallow rough-in ²
		30K 90CRI 3000 K / 93 CRI / 16.7W / 860L		L7XPR Remodel shallow rough-in ²
		40K 90CRI 4000K / 92CRI / 16.4W / 950L		LC6 New construction rough-in ²
				LCP New construction shallow rough-in ²

Accessories: Order as separate catalog number.

TSA6	Makes non-bracket housing compatible with the LED module; ships as units, J6 or J25
FL2LED	Makes L7XF housings compatible with the LED module

Notes

- Total system delivered lumens.
- Must be ordered on a separate line.

See page 2 for Trim Inserts.



WSQ LED

Architectural Wall Sconce



Inverted available with WLU option only.

Catalog Number
Notes
Type

Hit the Tab key or mouse over the page to see all interactive elements.

Introduction

The classic Architectural Wall Sconce is now available with the latest in LED technology. The result is a long-life, maintenance-free product with typical energy savings of 75% compared to metal halide versions. The integral battery backup option provides emergency egress lighting, without the use of a back-box or remote gear, so installations maintain their aesthetic integrity.

The WSQ LED is ideal for replacing existing 50 – 175W metal halide wall-mounted products. The expected service life is 20+ years of nighttime use.

Specifications

Luminaire

Height: 9-3/8"
(23.8 cm)

Width: 18"
(45.7 cm)

Depth: 9"
(22.8 cm)

Weight: 17 lbs
(7.7 kg)

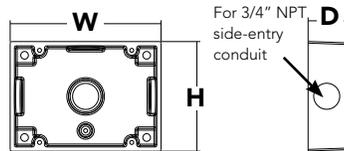


Optional Back Box (BBW)

Height: 4"
(10.2 cm)

Width: 5-1/2"
(14.0 cm)

Depth: 1-1/2"
(3.8 cm)



Ordering Information

EXAMPLE: WSQ LED 2 10A700/40K SR3 MVOLT DBBTXD

WSQ LED							
Series	Light Engines	Performance Package	Distribution	Voltage	Mounting	Options ³	Finish (required)
WSQ LED	1 One engine (10 LEDs)	700 mA options: 10A700/30K 3000K 10A700/40K 4000K 10A700/50K 5000K	SR2 Type II	MVOLT ¹	Shipped included (blank) Surface mount	Shipped installed PE Photoelectric cell, button type ^{4,5} SF Single fuse (120, 277, 347V) ⁴ DF Double fuse (208, 240, 480V) ⁴ DMG 0-10V dimming driver (no controls) ELCW Emergency battery backup, non CEC compliant ^{6,7} WLU Wet location door for up orientation ⁸ PIR Motion/ambient light sensor ⁹ DS Dual switching ¹⁰	Dark bronze
				120 ¹			
	208 ¹		Shipped separately² BBW Surface-mounted back box UTS Uptilt 5 degrees	240 ¹	DNAXD Natural aluminum		
	277 ¹			DWHXD White			
	347		DSSXD Sandstone				
480	DBBTXD Textured dark bronze						
						ELCW	DBLBXD Textured black
						WLU	DNATXD Textured natural aluminum
						PIR	DWHGXD Textured white
						DS	DSSTXD Textured sandstone
						Shipped separately	
						VG Vandal guard	
						WG Wire guard	

Emergency Battery Operation

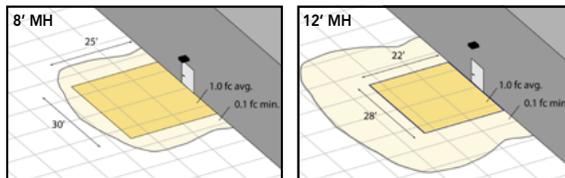
The emergency battery backup (ELCW option) is integral to the luminaire - no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product.

All ELCW configurations include an independent secondary driver with an integral relay to immediately detect AC power loss. Dual light engines are wired in parallel so both engines operate in emergency mode and provide additional component redundancy. These design features meet various interpretations of [NFPA 70/NEC 2008 - 700.16](#)

The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time supply power is lost, per [International Building Code Section 1006](#) and [NFPA 101 Life Safety Code Section 7.9](#), provided luminaires are mounted at an appropriate height and illuminate an open space with no major obstructions.

The examples below show illuminance of 1 fc average and 0.1 fc minimum of the single-engine Type IV product in emergency mode.

WST LED 1 10A700/40K SR4
MVOLT ELCW
10' x 10' Gridlines
8' and 12' Mounting Height



NOTES

- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only when ordering with photocell (PE), fusing (SF, DF), or dual switching (DS).
- May also be ordered separately as an accessory. Ex: WSBBW DBBXXD U. Must specify finish.
- Must be ordered with fixture; cannot be field installed.
- Not available with MVOLT option. Button photocell (PE) can be ordered with a dedicated voltage option. Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
- Not available with 480V option. Not available with motion/ambient light sensor (PIR).
- Integral battery pack is rated for -20° to 60°C operating temperature. ELCW warranty is 3-year period. Not available with 347V or 480V. Not available with WLU.
- Cannot be used in California. Not qualified under CEC T20 requirements.
- WLU not available with PIR or ELCW.
- Specifies the [SensorSwitch SFOD-7-ODP](#) control (photocell included); see [Motion Sensor Guide](#) for details. Includes ambient light sensor. Not available with "PE" option (button type photocell). Dimming driver standard. Not available with WLU, VG or WG.
- Provides 50/50 luminaire operation via two independent drivers and light engines on two separate circuits. Not available with one engine, MVOLT, ELCW, WLU, SF, or DF. Must specify voltage; voltage must be the same for both drivers. When ordered with photocell (PE) or motion sensor (PIR), only the primary power source leads will be controlled.

