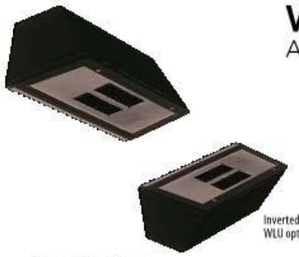


WST LED
Architectural Wall Sconce

Inverted available with WLU option only.

Catalog Number

Notes

Type S1

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

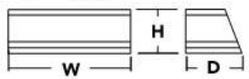
Specifications

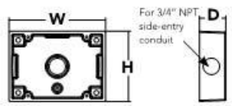
Luminaire

Height: 7-1/4" (18.4 cm)
Width: 16-1/4" (41.3 cm)
Depth: 9-1/8" (23.2 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)





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

Ordering Information

EXAMPLE: WST LED 2 10A700/40K SR3 MVOLT DDBTXD

WST LED

Series	Light Engines	Performance Package	Distribution	Voltage	Mounting	Options[2]	Finish *(required)*
WST LED	1 One engine (10 LEDs) 2 Two engines (20 LEDs)	**700 mA options:** 10A700/30K 3000K 10A700/40K 4000K 10A700/50K 5000K	SR2 Type II SR3 Type III SR4 Type IV	MVOLT[1] 120[1] 208[1] 240[1] 277[1] 347 480	**Shipped included** (blank) Surface mount **Shipped separately**[2] BBW Surface-mounted back box UT5 Uplift 5 degrees	**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[6] WLU Wet location door for up orientation[7] PIR Motion/ambient light sensor[8] DS Dual switching[9] **Shipped separately** VG Vandal guard WG Wire guard	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DSSXD Sandstone DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white DSSTXD Textured sandstone

Emergency Battery Operation

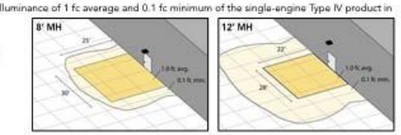
The emergency battery backup (ELCW option) is integral to the luminaire - no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product.

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

1. 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).
2. May also be ordered separately as an accessory. Ex: WSBBW DDBXD U. Must specify finish.
3. Must be ordered with fixture; cannot be field installed.
4. 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.
5. Not available with 480V option. Not available with motion/ambient light sensor (PIR).
6. 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.
7. WLU not available with PIR or ELCW.
8. 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.
9. 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.

LITHONIA LIGHTING
One Lithonia Way • Conyers, Georgia 30012 • Phone: 800.279.8041 • Fax: 770.918.1209 • www.lithonia.com

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LITHONIA LIGHTING

Catalog Number

Notes

Type S2

FEATURES & SPECIFICATIONS

INTENDED USE — Architectural deep-cast luminaire provides general illumination for rough service (vandal resistant) applications. Ideal for interior or exterior applications where safety and security are a concern. Designed to complement building architecture and to endure extreme environmental conditions and physical abuse. Amber LEDs available for applications requiring turtle-safe lighting. Certain airborne contaminants can diminish integrity of acrylic. Click here for Acrylic Environmental Compatibility table for suitable uses.

CONSTRUCTION — *Bezel* - One-piece, marine grade die-cast aluminum, low copper alloy (<1% copper). Encloses lens and secures to housing with stainless steel Torx® T-10 set screws (two included) or optional stainless steel tamper-resistant screws (see options).

Housing - One-piece, marine grade die-cast aluminum, low copper alloy (<1% copper), with post-painted polyester powder coat finish. Four hole mounting detail for use directly over outlet box, or conduit entry through three 1/2" threaded openings on side or 3/4" threaded opening on rear surface. .012 gauge aluminum sheet metal internal bracket and board plate for thermal conduction and support.

Gasket - Polycarbonate: Perimeter lens gasket is one-piece silicone "O" ring, mechanically held in lens channel. Glass: Perimeter lens gasket is closed-cell silicone. Pad mounting gasket is closed-cell neoprene and seals housing to mounting surface. Gaskets help cushion impact shock.

Finish - Standard finish is textured polyester powder coat in white, black or bronze. Optional architectural colors available (see paint finishes).

OPTICS — *Polycarbonate lens* – Injection-molded lens is .125 inch thick. Designed to enrich the LED color and lumen output. Smooth exterior allows for easy cleaning, and interior pattern diffuses light for even surface illumination.

Glass lens – Tempered borosilicate lens, .250 inch thick, has smooth exterior for easy cleaning and textured interior.

ELECTRICAL — Utilizes high-efficiency LEDs mounted to 2 metal core circuit boards. 3500 Kelvin temperature. Driver: 2 electronic drivers wired in series allows total power to be reduced by half while maintaining even illumination across the 2 boards. 70% lumen maintenance at 50,000 hours. 100V through 277V, 50-60HZ operation. 6KV pulse rated. Initial surge protection standard.

INSTALLATION — Unit may be wall mounted.

LISTINGS — CSA Certified to UL and C-UL standards. NOM Certified (see Options). CSA listed for 30°C ambient and wet locations. IP65 rated.

WARRANTY — 5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

For installed Rough Service Product(s), Acuity warrants that, for the lifetime of the product(s), the polycarbonate lens and/or polycarbonate housing will withstand breakage resulting from occasional physical abuse and rough handling (the "Rough Service Warranty"), notwithstanding the vandalism exclusion set forth at www.acuitybrands.com/CustomerResources/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.

GRS

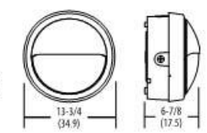
GATEWAY®

Architectural Rough Service Fixture

VGR2C

LED
Round Eyelid
Deep Housing
Wall Mounted

LED



All dimensions are inches (centimeters).

ORDERING INFORMATION For shortest lead times, configure products using **bolded options**. **Example:** VGR2C 50LED MVOLT DWHG LPI

VGR2C

Series	Lumen output[3]	Color temperature[2]	Lens	Voltage	Paint finishes[5]	Options	Lamp
VGR2C	**Lumen output[3]** **50LED** 50W 40LED 40W	**Color temperature[2]** (blank) 3500K	(blank) Polycarbonate GL Borosilicate glass	120 277 MVOLT	Standard textured finishes **DWHG** White **DBLB** Black **DDBT** Dark bronze **DNAT** Natural aluminum **DSST** Sandstone	Shipped installed in fixture DF Double fuse[4] SF Single fuse DS Dual switching MSI8 Wet location motion sensor[5] **PE** Photoelectric cell[6,7] TRS Tamper-resistant screws[4] VGRDS Decorative shroud[8,11] **NOM** Meets Mexican standards	**LPI** Lamp included

Accessories: *Order as separate catalog number.*

RK1 T10DRV	Torx TX10 screwdriver, for use with Gateway set screws.
RK1 T20BIT	Hex-base driver bit, Torx TX20, for tamper-resistant screws with center reject pin.
RK1 T20DRV	Torx TX20 screwdriver for use with tamper-resistant screws with center reject pin.
VGRDS XXX	Decorative shroud[8,11]

Notes

1. Refer to table on back page.
2. The CCT value provided is of lamp source and actual CCT will vary upon power levels.
3. For additional colors, refer to Architectural Paint brochure.
4. Must specify DS option.
5. Provided with lens for mounting up to 8'.
6. Must specify voltage. Not available with MVOLT.
7. Not available with DS option.
8. T-20 screws with center reject pin.
9. Color will be the same as the bezel.
10. Maximum operating ambient temperature is 25°C when using this accessory.
11. Must specify color (Example: VGRDS DWHG).

Approved for Historic Preservation
Certificate of Appropriateness
Date: 03/03/16

443 CONGRESS STREET PORTLAND, MAINE
PHOTOMETRIC PLAN

Designer
BEI
Date
12/21/2015
Scale
Not to Scale
Drawing No.
E1.1
Summary