

WST LED Architectural Wall Sconce







Specifications

Luminaire

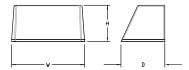
8-1/2" Height:

(21.59 cm)

17" Width: (43.18 cm)

10-3/16" Depth:

20 lbs Weight:

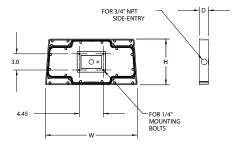


Optional Back Box (PBBW)

8.49" Height: (21.56 cm)

17.01" Width: (43.21 cm)

1.70" Depth: (4.32 cm)



Optional Back Box (BBW)

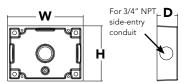
Height:

(10.2 cm)

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

1-1/2" Depth:

(3.8 cm)



COMMERCIAL OUTDOOR

Catalog Number			
Notes			
Туре			

** Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a shaded background. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability1
- This luminaire is part of an A+ Certified solution for ROAM® or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background¹

To learn more about A+, visit www.acuitybrands.com/aplus.

See ordering tree for details.

A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: Link to Roam; Link to DTL DLL





Ordering Information

EXAMPLE: WST LED P1 40K VF MVOLT DDBTXD

WST LED					
Series	Performance Package	Color temperature	Distribution	Voltage	Mounting
WST LED	P1 1,500 Lumen package P2 3,000 Lumen package P3 6,000 Lumen package	27K 2700 K 30K 3000 K 40K 4000 K 50K 5000 K	VF Visual comfort forward throw VW Visual comfort wide	MVOLT ¹ 277 ² 120 ² 347 ² 208 ² 480 ² 240 ²	Shipped included (blank) Surface mounting bracket Shipped separately BBW Surface-mounted back box ³ PBBW Premium surface-mounted back box ^{3,4}

Options			Finish (required)			
NLTAIR2 PIR NLTAIR2 PIRH NLTAIR2 PIRH nLIGHT AIR Wireless enabled motion/ambient sensor for 8'-15' mounting heights 5.6.7 PE Photoelectric cell, button type 8 PER NEMA twist-lock receptacle only (controls ordered separate) 9 PER5 Five-wire receptacle only (controls ordered separate) 9 PER7 Seven-wire receptacle only (controls ordered separate) 9 PIR Motion/Ambient Light Sensor, 8-15' mounting height 5.6 PIR1FC3V Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc 5.6 PIRH 180° motion/ambient light sensor, 15-30' mounting height, ambient sensor enabled at 1fc 5.6 PIRH1FC3V Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc 5.6 SF Single fuse (120, 277, 347V)² DF Double fuse (208, 240, 480V)² DS Dual switching 10 DMG 0-10V dimming extend out back of housing for external control (control ordered separate) 11	(cold, 7W) 7.12 E7WHR Remote emen Noncompliant E20WH Emergency ba Certified in CA E20WC Emergency ba Certified in CA E23WHR Remote emen Noncompliant LCE Left side cond RCE Right side cond Shipped separately RBPW Retrofit back p	gency battery backup, CA Title 20 t (remote 7W) ^{7,13} attery pack 18W constant power, t Title 20 MAEDBS ⁷ attery pack -20°C 18W constant power, t Title 20 MAEDBS ^{7,12} gency battery backup, CA Title 20 tt (remote 20W) ^{7,12,14} duit entry ¹⁵ dduit entry ¹⁵	DDBXD DBLXD DNAXD DWHXD DSSXD DDBTXD DBLBXD DNATXD DWHGXD DSSTXD	Dark bronze Black Natural aluminum White Sandstone Textured dark bronze Textured black Textured natural aluminum Textured white Textured sandstone		
E7WH Emergency battery backup, Non CEC compliant (7W) ⁷	WG Wire guard ¹⁵					

Accessories

Ordered and shipped separately.

WSTVCPBBW DDBXD U Premium Surface - mounted back box WSBBW DDBTXD U Surface - mounted back box RRPW DDRXD II Retrofit back plate DLL127F 1.5 JU Photocell - SSL twist-lock (120-277V)17 DLL347F 1.5 CUL JU Photocell - SSL twist-lock (347V)¹⁷

DLL480F 1.5 CUL JU Photocell - SSL twist-lock (480V)¹⁷

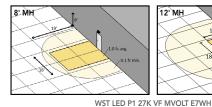
NOTES

- 1 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Also available as a separate accessory; see accessories
- Top conduit entry standard.
- Not available with VG or WG. See PER Table.
- Reference Motion Sensor table.
- Not available with 347/480V.
- Need to specify 120, 208, 240 or 277 voltage.
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. Shorting Cap included.
- 10 Not available with Emergency options, PE or PER options.
- 11 DMG option not available with standalone or networked sensors/controls.
- 12 Battery pack rated for -20° to 40°C.
- 13 Comes with PBBW.
- 14 Warranty period is 3-years.
- 15 Not available with BBW.
- 16 Must order with fixture; not an accessory.
- 17 Requires luminaire to be specified with PER, PER5 or PER7 option. See PER Table.

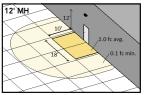
Emergency Battery Operation

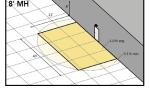
The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency backup configurations include an independent secondary driver with an integral relay to immediately detect AC power loss, meeting 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 P1 power package and VF distribution product in emergency mode.

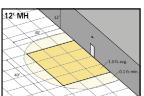
10' x 10' Gridlines 8' and 12' Mounting Height



COMMERCIAL OUTDOOR







WST LED P2 40K VF MVOLT E20WH



Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40 $^{\circ}$ C (32-104 F).

Amb	Lumen Multiplier					
0°C	32°F	1.03				
10°C	50°F	1.02				
20°C	68°F	1.01				
25°C	77°F	1.00				
30°C	86°F	0.99				
40°C	104°F	0.98				

Projected LED Lumen Maintenance

Values calculated according to IESNA TM-21-11 methodology and valid up to 40°C.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.95	>0.92	>0.87

Electrical Load

			Curre	nt (A)			
Performance package	System Watts	120	208	240	277	347	480
P1	11	0.1	0.06	0.05	0.04		
r i	14					0.04	0.03
P1 DS	14	0.12	0.07	0.06	0.06		
P2	25	0.21	0.13	0.11	0.1		
P2	30					0.09	0.06
P2 DS	25	0.21	0.13	0.11	0.1		
D2	50	0.42	0.24	0.21	0.19		
P3	56					0.16	0.12
P3 DS	52	0.43	0.26	0.23	0.21		

Motion Sensor Default Settings												
Option	Dimmed State	High Level (when triggered)	Photocell Operation	Ramp-up Time	Dwell Time	Ramp-down Time						
*PIR or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	3 sec	5 min	5 min						
PIR1FC3V or PIRH1FC3V	3V (37%) Output	10V (100%) Output	Enabled @ 1FC	3 sec	5 min	5 min						

^{*}for use with site wide Dusk to Dawn control

PER Table

Control	PER		PER5 (5 wire)	PER7 (7 wire)							
(3 wire) Wire 4/Wire5			Wire 4/Wire5	Wire 6/Wire7							
Photocontrol Only (On/Off)	~	A	Wired to dimming leads on driver	A	Wired to dimming leads on driver	Wires Capped inside fixture					
ROAM	0	~	Wired to dimming leads on driver	A	Wired to dimming leads on driver	Wires Capped inside fixture					
ROAM with Motion	0	A	Wired to dimming leads on driver	A	Wired to dimming leads on driver	Wires Capped inside fixture					
Futureproof*	0	A	Wired to dimming leads on driver	~	Wired to dimming leads on driver	Wires Capped inside fixture					
Futureproof* with Motion	0	A	Wired to dimming leads on driver	~	Wired to dimming leads on driver	Wires Capped inside fixture					



Recommended



Alternate

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts.

Performance System Dist.		27K (2700K, 70 CRI)				30K (3000K, 70 CRI)				40K (4000K, 70 CRI)					50K (5000K, 70 CRI)							
Package (MVOLT¹)	Туре	Lumens	В	U	G	LPW	Lumens	В		G	LPW	Lumens	В	U	G	LPW	Lumens	В	U	G	LPW	
D1	12111	VF	1,494	0	0	0	125	1,529	0	0	0	127	1,639	0	0	0	137	1,639	0	0	0	137
P1	12W	VW	1,513	0	0	0	126	1,548	0	0	0	129	1,659	0	0	0	138	1,660	0	0	0	138
D2	25111	VF	3,163	1	0	1	127	3,237	1	0	1	129	3,469	1	0	1	139	3,468	1	0	1	139
P2	25W	VW	3,201	1	0	0	128	3,276	1	0	0	131	3,512	1	0	0	140	3,512	1	0	0	140
D2 5011	FOW	VF	6,025	1	0	1	121	6,165	1	0	1	123	6,609	1	0	1	132	6,607	1	0	1	132
P3	50W	VW	6,098	1	0	1	122	6,240	1	0	1	125	6,689	1	0	1	134	6,691	1	0	1	134



^{*}Futureproof means: Ability to change controls in the future.