

XPWS3 LED Patriot Wall Sconce



Crossover®
GENERATION 3

Marketing Positioning Statement

The XPWS3 LED Patriot Wall Sconce is an energy efficient, environmentally friendly, LED light source with architectural styling for all of your wall-mount applications. With a one-piece aluminum die-cast housing, this fixture is rated IP65 and can be utilized in downlight wet applications, and uplight damp applications.

Leading Selling Features

- ☐ SmartTec™ Control Technology – “Industry First”
- ☐ Low Total Cost of Ownership
- ☐ Outstanding Uniformity & Visual Comfort
- ☐ Leading Selection of Light Output Options
- ☐ Unparalleled Speed & Ease of Installation
- ☐ Exceptional Reliability in a Wall Sconce
- ☐ Enhances Architectural Styling of any Site

SmartTec Control Technology - "Industry First"

Thermal Management

LSI proprietary SmartTec heat dissipation system

Fixture temperature lowered automatically when needed in imperceptible 5% increments until safe operating temperature is reached

Finless heat sink design to more effectively dissipate heat over time

Increases lifespan of fixture due to control of potential overheating

Integral Motion Sensor (IMS)

Dims at 30% power

Smart dim slowly lowers light level over a 10-second period

Full brightness resumes in 1-2 seconds

Utility costs per fixture can be reduced by 70% through dimming

Dimmed light sufficient for a sense of security

Dimming increases overall fixture lifespan

Optional integral motion sensor is architecturally designed



Annual Energy & Maintenance Savings

\$850 savings for (12) XPWS3 28 LED fixtures (350mA) replacing (12) 100W MH

\$1082 savings for (12) XPWS3 48 LED fixtures (450mA) replacing (12) 175W MH

Based upon 12 hour daily operation @ \$.10kWh



Outstanding Uniformity & Visual Comfort

Lumen Output

Range of lumen outputs available by varying LED quantities, reflector types as well as changing the drive currents

Range of 2900 to 6300 nominal lumens available

Provides a choice for customer's specific requirements

Unmatched Lighting Performance

Creates a brighter environment at lower light levels

Unmatched lighting performance in a wall sconce

LIGHT OUTPUT - XPWS3					
Milliamps	# of LEDs	Distribution/Lumens (Nominal)			
		Type FT	Type WT	Type WW	Watts
Cool White 450 mA	28	3100	3000	3200	34
	48	5100	5100	5200	55
	28	3700	3600	3800	44
	48	6200	6100	6300	72
Neutral White 450 mA	28	2900	2900	3100	34
	48	4900	4800	4900	55
	28	3500	3500	3700	44
	48	5800	5700	5800	72

Leading Selection of Light Output Options

3 Reflector Distributions Available

Wide Throw (WT), Forward Throw (FT) or Wall Wash (WW)
Application department staff available to determine best distribution pattern
LM79 & LM80 reports available

28 or 48 LED Array Choice

Provides a choice of using less energy or more light output
28 LED array for lower lighting requirements (34 or 44 watts)
48 LED array for greater lighting output requirements (55 or 72 watts)
Mix and match arrays throughout facility dependent on light output desired

Color Rendering Index

CRI of 70 facilitates recognition of specific colors of various objects

Color Temperatures

Available in cool white 5300°K or neutral white 4200°K
Cool white for a cooler, crisper color temperature
Neutral white for a warmer color temperature

Temperature Range

-40° to +50°C (-40°F to 122°F)
Fixture performance maximized on industry's widest range

Two Drive Currents

350mA and 450mA available
Higher drive current can be utilized for greater lumen output.
Lower drive current for greater energy savings

Emergency Operation Options

Runs 10 LEDs for 90 minutes should a power failure occur
20-35% of original light output maintained for up to 90 minutes
Emergency Battery Back-up (0°C to 60°C)
Cold Weather Emergency Battery Back-up (-20°C to 60°C)
Two 35 Watt halogen lamps for connection to separable external emergency circuits
Meets NFPA Life Safety Code addressing necessary egress light requirements

Unparalleled Speed & Ease of Installation

Mounting

Fixture can be mounted in uplighting (indoor only)
or downlighting position
Pole mounted option available



Quick-mount feature

Single person installation in as quick as 15 minutes per fixture
Unnecessary to open fixture for wiring
Universal wall mounting plate easily mounts to 4" octagonal or square junction box
Allows fixture to be suspended hands-free while making wiring connections

Maintenance-Free

Once installed, the XPWS3 is virtually maintenance free

Exceptional Reliability in a Wall Sconce



American Made

All products designed and manufactured in the U.S.

Housing

Die-cast aluminum housing easily withstands extreme temperature changes. Excellent surface finishing and dimensional consistency

Optical Unit

Die-cast aluminum optic housing
Clear tempered optical-grade flat glass lens – 5 times more impact resistant than standard glass
Flat lens eliminates areas for dirt and grime to gather

Pressure Stabilizing Vent/Breather

Equalizes pressure in optical unit preventing pressure buildup due to ambient temperature changes, protecting gaskets and seals over the life of the fixture

Gasketing

Housing and optical unit completely sealed with extruded silicone gasket
Supply conductors sealed with molded EPDM bushings
EPDM gasket between mounting plate and junction box eliminates potential for entrance of water
EPDM sealing material exhibits outstanding heat and weather resistance

Finish

LSI's DuraGrip® polyester powder coat
Resists corrosion and is scratch and ding resistant
Withstands extreme weather changes without cracking or peeling
Exhibits excellent durability and resistance to ultraviolet rays

Long-Life

Up to 100,000 hours of expected life equates to 11.4 years burning 24/7
3x the lamp life expectancy of linear fluorescent and 5x that of HID
Once installed the XPWS3 is virtually maintenance free

Protection

IP65 on luminaire provides total dust ingress protection and protection from low pressure jets of water, with limited water ingress permitted
Optional Class 1 Division 2 hazardous location rating available

Surge Protector

Two-stage surge protection including separate surge protection built into electronic driver
Meets IEEE C62.41.2-2002, Scenario 1, Location Category C
Prevents damage to fixture due to unexpected "surge" or "swell" in AC Line Voltage.

Warranty

Limited 5-year warranty

Enhances Architectural Styling of any Site

Attractive/clean styling

Sweeping architectural design
Sleek, contemporary architectural lines to enhance any site
Sell when design aesthetics are highly desired

