

XPWS3 LED Patriot Wall Sconce

Leading Specification Features



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.



SmartTec™ Control Technology - Industry First

Thermal Management

LSI proprietary SmartTec heat dissipation system

Fixture temperature lowered automatically when needed in imperceptible 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

Optional 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 Dimming (DIM)

0-10 volt dimming enabled with controls by others.

Low Total Cost of Ownership - Quick Payback

Annual Energy & Maintenance Savings

\$850 savings for (12) XPWS3 28 LED fixtures (350mA)

\$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 and 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)			Watts	Milliamps	# of LEDs	Distribution Lumens (Nominal)		
Cool White					Neutral White					
		Type FT	Type WT	Type WW			Type FT	Type WT	Type WW	
450 mA	28	2900	2280	2580	33	350 mA	28	2260	2190	2430
	48	4020	3940	4180	53		48	3740	3570	3760
	28	2820	2740	3010	44		28	2680	2600	2850
48	4810	4680	4970	68	48	4420	4180	4450	67	

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

Leading Specification Features

Color Rendering Index CRI of 70 facilitates recognition of specific colors of various objects

Color Temperatures Available in cool white or neutral white
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)
Suitable for use in a wide range of ambient temperatures

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

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

Leading Specification Features

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 Location Category C

Prevents damage to fixture due to unexpected "surge" or "swell" in AC Line Voltage.

Warranty

Limited 5-year warranty

DLC

Selected versions of this product are on the DLC Qualified Products List (QPL). Consult the LSI website or the DLC QPL website at www.designlights.org for specific products listed.

Enhances Architectural Styling of any Site

Attractive/ Clean Styling

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

