

XPT3 LED Patriot Area Light



Marketing Positioning Statement

The LED Patriot combines LSI's industry-leading Crossover LED technology with an attractive, architectural design featuring sleek, sweeping curves. Its seamless, die-cast aluminum housing provides the ultimate in quality and durability. Ideal for general parking lot lighting the XPT3 is the ideal replacement for 400W MH.



SmartTec™ Control Technology - Industry First

Thermal Management	<p>LSI proprietary “SmartTec” heat dissipation system</p> <p>Fixture temperature lowered automatically when needed in imperceptible increments until safe operating temperature is reached</p> <p>Finless heat sink design to more effectively dissipate heat over time</p>
Optional Integral Motion (IMS)	<p>XPT3 dims at 30% of maximum drive current when target zone is absent of motion activity for ~ 2 minutes</p>

Low Total Cost of Ownership - Quick Payback

Annual Energy & Maintenance Savings	<p>\$1,864 savings for (20) XPT3 350mA fixtures replacing (20) 250W MH fixtures</p> <p>\$2,890 savings for (20) XPT3 450mA fixtures replacing (20) 400W MH fixtures</p> <p>Based upon 12 hour daily operation at \$.10kwh</p>
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Outstanding Uniformity & Visual Comfort

Clear Flat Optical Grade Tempered Glass Lens	<p>Superior performance & value through sealed lens, precision reflectors and industry’s best LEDs</p> <p>5 times more impact resistant than standard glass</p> <p>Won’t discolor, craze or cloud up like acrylic lenses</p> <p>Cleans easily</p>
Lumen Output	<p>Wide range of lumen outputs available by varying the reflector types and drive currents</p> <p>Wide lumen range available, providing a choice of lumen outputs for the customer’s specific requirements. 11,600 - 15,800 for XPT3</p> <p>Creates a brighter environment at lower light levels</p>

LIGHT OUTPUT - XPT3						
		# of LEDs	Lumens (Nominal)			Watts (Nominal)
			Type 3	Type 5	Type FT	
Cool White	350mA	128	12500	12100	13300	144
	450mA	128	14600	14400	15800	188
Neutral White	350mA	128	11700	11600	12600	144
	450mA	128	13400	13300	14700	188

LED Chips are frequently updated therefore values may increase.

Leading Selection of Light Output Options

Multitude of Distribution Patterns



- Choices of type 3, 5 and FT distributions
- By increasing drive currents from 350mA to 450mA for XPT3, light distribution patterns are enhanced with greater lumen output
- Exceptional uniformity with full cutoff creates bright environment at lower light levels
- Improved backlight cutoff minimizes light trespass
- House side shield available for even more backlight cutoff
- Application staff available to determine best distribution pattern
- LM79 & LM80 reports available
- 128 LED Array for XPT3
- 144 or 188 watt choice
- 144 watt (350mA) is ideal replacement for 250W MH
- 188 watt (450mA) is ideal replacement for 400W MH

Color Rendering Index

CRI of 70 facilitates recognition of specific colors of various objects to meet industry standards

Color Temperature

- Cool white provides bright and pleasing area lighting at reduced foot candle levels
- Neutral white for a warmer color temperature

Temperature Range

- 40°C 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 for XPT3
- Expands available solutions for customer specific applications
- 350mA is the most energy efficient, while higher drive current can be utilized to drive for greater lumen output

Input Voltage

Universal voltage 120V thru 277V (50/60hz input): 347V-480V also available

Unparalleled Speed & Ease of Installation

Mounting Mounting arm cast as integral part of housing

Use with 5" traditional mounting pattern, round pole adaptor to mount to round poles

Extruded 6" arm extension is available but not required

Maintenance Free Once installed, the XPT3 is virtually maintenance free

Exceptional Reliability in an LED Area Light

Environmentally Responsible RoHS compliant

Greater than 80% recyclable by weight

Housing Superior durability in a one-piece, die-cast multi-radiused, rectangular housing

Easily withstands extreme temperature changes

Excellent surface finishing and dimensional consistency

All hardware stainless steel or electro-zinc plated steel

Gasketing Luminaire optical assembly permanently sealed with robotically applied polyurethane

All external seals for additional fasteners, options, etc. are EPDM or silicone rubber for robustness to pressure and temperature changes and environmental, aging and UV resistance

Redundant fail-safe seals used in most areas for additional luminaire protection

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

5X the lamp life expectancy of HID

Once installed, XPT3 is virtually maintenance free

Protection Driver components fully encased in potting material for IP65 moisture resistance

XPT3 fixture rated IP65

Warranty Limited 5-year warranty

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

Options/ Accessories Twist-Lock photocell receptacle with twist-lock photocells on XPT3

Integral motion sensor

House side shields

Round pole and wall mount plate

Terminal block for ease of wiring

Decorative radius arm and upsweep bracket

Extension arm

Polycarbonate shield

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

Sleek, contemporary architectural lines to enhance any site

Sell when design aesthetics are highly desired

Leading Specification Features



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