

LED RETROFIT KIT FOR PATRIOT® (XPT3K)



US patent 7828456, 7952293, 8002428, 8177386 and CAN 2736757 and MX patent 29631 and ISRL 49679 and AUS 2008312668 and US & Int'l. patents pending

APPLICATIONS - Converts Patriot (PTH) from HID to LED light source.

EASY RETROFIT - Includes gasketed, hinged optical assembly with driver. Simply remove the existing door, HID ballast and reflector assembly, and install the new hinged LED optic/door assembly, connect fixture supply leads to the driver and close the door.

“GREEN” ENERGY-SAVING - Reduces greenhouse gas emissions, slashes operating costs, extends life and eliminates costly lamp replacement and disposal involving mercury waste.

SMARTTEC™ THERMAL CONTROL - Sensors in both optical and driver enclosure reduce driver current when ambient temperatures exceed 50°C. Current is lowered in imperceptible 5% increments every 5 minutes until safe operating temperature is reached.

OCCUPANCY SENSING (IMS) – Optional integral passive infrared motion sensor activates switching of luminaire light levels. High level light is activated and increased to full bright in 1-2 seconds upon detection of motion. Low light level (30% maximum drive current) is activated when target zone is absent of motion activity for ~2 minutes and ramps down (10-15 seconds) to low level to allow eyes time to adjust. Sensor is located on the rear of optical assembly. Sensor optic has a detection cone of approximately 45°. Examples of detection – occurs 30' out from a 30' mounting height pole; occurs 20' out from a 20' mounting height pole.

EXPECTED LIFE - Minimum 60,000 hours to 100,000 hours depending upon the ambient temperature of the installation location. See LSI web site for specific guidance.

LEDS - Select high-brightness LEDs in Cool White (5250°K nominal) or Neutral White (4100°K nominal) color temperature. 70 CRI (nominal).

DISTRIBUTION/PERFORMANCE - Type 3, 5 and FT. Exceptional uniformity with full cutoff creates bright environment at lower light levels. Improved backlight cutoff minimizes light trespass.

OPTICAL UNIT - Clear tempered optical grade flat glass lens sealed to die-cast aluminum door assembly. Secures to housing with stainless steel hinge bracket. Integral over-center latch allows easy tool-less access to driver. Optic provided with catch mechanism to limit door swing. One-piece extruded silicone gasket seals optical assembly against the housing.

ELECTRICAL - Terminal block for attachment of incoming primary wiring is supplied. Two-stage surge protection (including separate surge protection built into electronic driver) meets IEEE C62.41.2-2002, Location Category C. Available with universal voltage power supply 120-277VAC (UE-50/60Hz input) and 347-480VAC. Fixture watts (nominal): 350 mA - 144, 450 mA - 188.

DRIVER - Available in 350mA and 450mA drive currents. (Drive currents are factory programmed). State-of-the-art driver technology designed specifically for LSI LED light sources provides unsurpassed system efficiency. Components are fully encased in potting material for IP65 moisture resistance. Driver complies with requirements of FCC Title 47CFR Part 15, Class A and B; Part 18, Class A.

OPERATING TEMPERATURE - -40°C to +50°C (-40°F to +122°F)

FINISH - Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling, and is guaranteed for five full years. Standard colors include bronze, black, platinum plus, graphite, satin verde green, metallic silver and white. Meets requirements of ASTM B117 1000-hour salt fog and ASTM G155 1000-hour Xenon Arc UV tests (supersedes G53 UVB313).

WARRANTY - LSI LED fixtures carry a limited 5-year warranty.

PHOTOMETRICS - Application layouts are available upon request. Contact LSI Applications Group at lighting.apps@lsi-industries.com

SHIPPING WEIGHT (in carton) - 26 lbs./11.8Kg

LISTING - ETL listed to U.S. and Canadian safety standards. Suitable for wet locations.

LIGHT OUTPUT - XPT3K					
		# of LEDS	Lumens (Nominal)		
			Type 3	Type 5	Type FT
Cool White	350mA	128	12500	12100	13300
	450mA	128	14600	14400	15800
Neutral White	350mA	128	11700	11600	12600
	450mA	128	13400	13300	14700

This product, or selected versions of this product, meet the standards listed below. Please consult factory for your specific requirements.

American Innovation



IP65
Optic Only

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LUMINAIRE ORDERING INFORMATION

TYPICAL ORDER EXAMPLE: **XPT3K FT LED 128 450 CW UE WHT**

Prefix	Distribution	Light Source	# of LEDs	Drive Current	Color Temperature	Input Voltage	Finish	Options
XPT3K - Retrofit Kit for Patriot	3 - Type III 5 - Type V FT - Forward Throw	LED	128	350 - 350mA 450 - 450mA	CW - Cool White NW - Neutral White	UE - Universal Voltage (120-277) 347-480	BLK - Black BRZ - Bronze GPT - Graphite MSV - Metallic Silver PLP - Platinum Plus SVG - Satin Verde Green WHT - White	IMS - Integral Motion Sensor

ACCESSORY ORDERING INFORMATION (Accessories are field installed)

Description	Order Number
FK120 - Single Fusing	FK120+
FK277 - Single Fusing	FK277+
DFK208, 240 - Double Fusing	DFK208,240+
DFK480 - Double Fusing	DFK480+
FK347 - Single Fusing	FK347+
XPT3K HSS - House Side Shield	520281BLK++

NOTES:

*Fusing must be located in the hand hole of pole. ++Black only. House Side Shields add to fixture EPA. Consult Factory

DIMENSIONS

