

# LED AREA LIGHTS - PATRIOT® SMALL (XPTS3)



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

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

**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 (5800°K nominal) or Neutral White (4000°K nominal) color temperature. 70 CRI (nominal)

**DISTRIBUTION/PERFORMANCE** - Types 2, 3, FT and 5. Exceptional uniformity creates bright environment at lower light levels. Improved backlight cutoff minimizes light trespass.

**HOUSING** - One-piece, die-cast aluminum in a multi-radiused, rectangular shape with mounting arm cast in as an integral part of the housing. All hardware is stainless steel or electro-zinc plated steel.

**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 that limits door swing. One-piece extruded silicone gasket seals optical assembly against the housing.

**MOUNTING** - Use with 5" traditional drilling pattern. Integral cast mounting arm is flat for square pole applications. Use round pole adaptor (RPPC) to mount to round poles. RPPC must be ordered separately. Extruded 6" arm extension is available (but not required).

**ELECTRICAL** - 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. Optional button- type photocells (PCI) are available in 120, 208, 240, 277 or 347 volt (supply voltage must be specified). Fixture watts (nominal): LW - 54, SS - 75.

**DRIVER** - Available in LW (low wattage) and SS (super saver) drive currents. (Driver 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](mailto:lighting.apps@lsi-industries.com)

**SHIPPING WEIGHT** - 30 lbs./13.6Kg

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

| LIGHT OUTPUT - XPTS3 |    |           |                  |        |         |        |
|----------------------|----|-----------|------------------|--------|---------|--------|
|                      |    | # of LEDs | Lumens (Nominal) |        |         |        |
|                      |    |           | Type 2           | Type 3 | Type FT | Type 5 |
| Cool White           | LW | 63        | 4300             | 4100   | 4500    | 3300   |
|                      | SS | 63        | 5400             | 5100   | 5600    | 4200   |
| Neutral White        | LW | 63        | 3700             | 3800   | 4000    | 2900   |
|                      | SS | 63        | 4900             | 5000   | 5100    | 3900   |

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

American Innovation



**ARRA** IP65  
Funding Compliant

Also available in traditional light sources

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## LUMINAIRE ORDERING INFORMATION

TYPICAL ORDER EXAMPLE: **XPTS3 FT LED 63 SS CW UE WHT PCI120**

| Prefix                       | Distribution  | Light Source | # of LEDs | Drive Current                           | Color Temperature                     | Input Voltage   | Finish  | Options   |
|------------------------------|---|--------------|-----------|---|---------------------------------------|---|---|---|
| XPTS3 - LED<br>Patriot Small | 2- Type II<br>3- Type III<br>FT - Forward<br>Throw<br>5- Type V | LED          | 63        | SS - Super<br>Saver<br>LW - Low<br>Watt | CW - Cool White<br>NW - Neutral White | UE - Universal<br>Voltage<br>(120-277)<br><br>347-480 | BLK - Black<br>BRZ - Bronze<br>GPT - Graphite<br>MSV - Metallic Silver<br>PLP - Platinum Plus<br>SVG - Satin Verde Green<br>WHT - White | PCI120 - 120V Button-Type Photocell<br>PCI208-277 - 208-277V Button-Type<br>Photocell<br>PCI347 - 347V Button-Type Photocell<br>TB - Terminal Block |

### LUMINAIRE EPA CHART - XPT3

|  |        |     |
|--|--------|-----|
|  | Single | 1.1 |
|  | D180°  | 2.1 |
|  | D90°   | 1.6 |
|  | T90°   | 2.7 |
|  | TN120° | 2.8 |
|  | Q90°   | 3.2 |

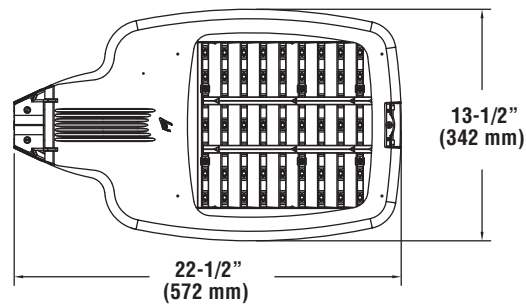
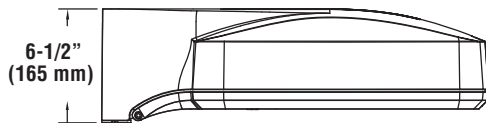
**Note:** House Side Shield adds to fixture EPA. Consult Factory.

### ACCESSORY ORDERING INFORMATION (Accessories are field installed)

| Description                 | Order Number | Description  | Order Number |
|-----------------------------|--------------|--|--------------|
| RPPC - Round Pole Plate     | 141940CLR    | XPTS3 HSS - House Side Shield Type 2, 3, FT                  | 516850BLK++  |
| FK120 - Single Fusing       | FK120+       | XPTS3 PLS - Polycarbonate Shield                             | 263016       |
| FK277 - Single Fusing       | FK277+       | BKS-BO-PTS-WM-* - CLR - Wall Mount Plate                     | 263230CLR    |
| DFK208, 240 - Double Fusing | DFK208,240+  | BKA-BO-PTS-EC-6-CLR - Extension Arm                          | 263228CLR    |
| DFK480 - Double Fusing      | DFK480+      | BKA-BO-RA-8-CLR - Radius Arm                                 | 169010CLR    |
| FK347 - Single Fusing       | FK347+       | BKU-BO-S-19-CLR - Upsweep Bracket for Round and Square Poles | 144191CLR    |

**NOTES:** +Fusing must be located in the hand hole of pole. ++Black only.

## DIMENSIONS



**House Side Shield (HSS)  
Rear Mounted (516850 BLK)**

