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## EPL-TPM-150LED-RT

# 150 Watt Explosion Proof Telescoping Pole Mount LED Flood Light Tower - Stationary Mount - 120-277V

**Product ID: 105051**

**Please see last page for supporting documentation for this product(certificates, CAD files & drawings, IES files, wiring diagrams, etc).**



**Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.**

**EPL-TPM-150LED-RT Explosion Proof LED Quadpod Tower**
**Listing: United States & Canada**
**Lamp Type: Cree LED**
**Dimensions:** 14"-W 16"-H 5"-D- Light Head - 7` to 12` Extendible Tower
**Weight:** 50 Lbs
**Voltage:** 120-277V AC 50/60Hz
**Total Watts:** 150 watts
**Total Lumens:** 17,500
**Luminous Efficiency: 11**6.67 Lm/W
**Lamp Life:** 60,000+ Hours
**Color Temp:** 5000K, 4000K, 3000K
**Color Rendering Index:** >75 CRI
**Beam Angle:** 60° or 125°
**Lighting Configuration:** Flood Pattern
**Power Efficiency:** >95%
**Power Factor:** 0.992
**Amperage:** 1.25A @ 120V, 0.63 @ 240V, 0.54 @ 277V
**Ambient Operating Temp Range:**-50° C to +65°C
**Operating Temp Rating:** T5
**Lamp Housing Material:** Copper Free Cast Aluminum
**Tower Material: Non-Sparking Aluminum Tubing**
**Lens Material: Hardened Borosilicate Glass**
**Gasket Material: Silicone**
**Mounting:** Non-Sparking Telescoping Aluminum Tower

**Ratings/Approvals**
Listed for United States and Canada
Class I, Divisions 1 & 2, Groups C and D
Class II, Divisions 1 & 2, Groups E,F,G
Class III, Divisions 1 & 2
Certified to UL 844 Ed. 13
Certified to UL 1598
Certified to C22.2 No. 137 Rev 2009
Certified to C22.2 No. 250.0
T5 Temperature Rating
Paint Spray Booth Approved
IEC 60529 Tested
IP67 Rated Waterproof
LEL Approved
Multiple Driver Banks
80% Lumen Retention after 60,000 Hours
Factory Sealed Light Fixture
50 Foot SOOW Cable
Adjustable Tower 7 - 12 Feet
Direct Replacement for 400W MH Towers

**Special Orders - Special Requirements**
Contact us for special requirements
**Toll Free:** 1-800-369-6671

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**Wiring:** 50` 16/3 SOOW Cable w/ explosion proof

**Intl:** 1-903-270-1187
**Fax:** 1-903-498-3364
**E-mail:** sales@larsonelectronics.com

**Made in the USA**

**The EPL-TPM-150LED-RT Telescoping Pole Mounted Explosion Proof LED Light Tower from Larson Electronics produces 17,500 lumens of light capable of illuminating an area 9,500 square feet in size. This adjustable Cree LED light tower is designed for permanent mount operation, offering adjustable height from 7` to 12`, and ideal for use in demanding conditions.**

***PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO LIGHT MASTS, LIGHT TOWERS, OR QUADPODS***

The EPL-TPM-150LED-RT is a telescoping pole mount explosion proof LED lighting system and provides 9,500 square feet of work area coverage with 17,500 lumens of light output. This adjustable LED light tower has a removable LED light head mounted on top of a non-sparking aluminum tower. The LED light head on this unit produces a wide flood pattern of light that is ideal for illuminating large workspaces and job sites. This light is designed for heavy duty use in demanding conditions including emergency services, mining, construction, marine, and industrial operations where durability and reliability is critical.

This LED light is comprised of an adjustable LED light head mounted atop a telescoping pole fabricated from non-sparking powder coated aluminum. This adjustable and collapsible tower can be extended to twelve feet, collapsed to seven feet. The LED light fixture assembly can be removed by releasing the hand knob and sliding the light and mounting bracket offV of the center support while the legs can be collapsed, aiding in deployment, storage and transport. The lamp can be easily adjusted vertically and locked into position.



Click Photo to Enlarge

This telescoping LED work light is comprised of a removable LED light head mounted atop an aluminum adjustable pole fabricated with 3" by 3" by 1/8" thick tubing for the first stage and 2.5" by 2.5" by 1/8" thick tubing for the second stage. This light tower is powder coated for durability and rust resistance. This adjustable and collapsible tower can be extended to twelve feet in and collapsed to seven feet via the set pin and a series of predrilled set holes. The lamp can independently be adjusted up, down or from side to side and locked into position.

The explosion proof LED light fixture features multiple LED drivers which helps to increase the operational life of the fixture. With traditional LED lights, in the event an LED array or driver fails, the entire fixture no longer illuminates. This new series of LED lamps contains twelve individual LED boards configured in a series of banks. Each bank contains two LED boards with an individual driver. In the event of a driver failure, only one bank of LEDs will be effected while the other banks will continue to operate. In the event that of an LED failure, the mating LED will continue to operate.

Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation. Instead of heating a small filament or using a combination of gases to produce light, light emitting diodes (LEDs) use semi-conductive materials that illuminate when electric current applied

and emitting light. With LED lights, there is no warm up time or cool down time before re-striking and provide instant illumination when powered on, adding to the reliability of LED technology. By nature, LED light sources run significantly cooler than traditional lamps, reducing the chance of accidental burns and increased temperatures due to heat emissions. This solid state design of light emitting diodes provides a more reliable, stable, durable, and energy efficient light source over traditional lighting.

This hazardous location LED light tower is equipped with 50` of 16/3 SOOW oil, chemical, abrasive, and water resistant cable with blunt cut end, which is combined with adjustability offered by the LED light head provides ample length for tower placement and optimal coverage of the workspace.

The LED light head on this tower contains twelve 12.5 watt LEDs producing 116.67 lumens each. These LEDs are arranged in rows and paired with high purity optics to produce 17,500 lumens and a 60 degree flood beam while only drawing 1.25 amps on 120V, making these units ideal for use as highly efficient yet powerful work and area lights. The EPL-TPM-150LED-RT hazardous location LED light is an ideal and direct replacement for fragile and hot running 400 watt metal halide floodlights.

This light is universal voltage capable and can be operated with 100-277 VAC, 50/60Hz. We also offer a low voltage version of this LED fixture that operates on AC/DC voltages from 11-25 Volts and models with in-line step-down transformers for high voltage to low voltage operations. This explosion proof LED light fixture is IP67 rated, dust-proof, and protected against high pressure jets and temporary submersion. The cast aluminum body and LED lamp give this light excellent durability and resistance to vibration and impacts. The housing is specially designed to dissipate heat which increases the efficiency and lifespan of the LEDs and electronics. This LED light produces 17,500 lumens with a color temperature of 5000K, 4000K, or 3000K and a color rendering index of 75 which produces colors and details much more accurately than high pressure sodium or mercury vapor portable work lights. This LED light tower retains 80% of its lumen output after 60,000 hours of use, far longer than metal halide or halogen work lamps.

### Made in USA Quality

1. Approved Class 1 Div1-2 Class 2 Div I-2
2. Led lamp head requires no lamping and simply slides on the tower and is locked into place with a hand tightened set screw.
3. Tower constructed of corrosion resistant, non-sparking aluminum with powder coated finish.
4. No ballast box. No ballast to replace.
5. Extreme long life LEDs reduce maintenance and replacement costs.
6. 25 peel off mylar overspray lamp protectors ship with the unit.
7. 17,500 Lumens produced from only 150 watts.
8. Mercury free shock proof LED lamp light head.

### Superior LED Benefits

1. 60,000+ hour lifespan.
2. Can SAVE 50% or more on energy.
3. 100% recyclable.
4. No toxins-lead, mercury.
5. No UV light, infrared radiation or CO2 emissions.
6. Bright, even light maintains consistent color over time.
7. Instant on/off – No flickering, delays or buzzing.
8. Very good color rendering.
9. Vibration/impact resistant.
10. Significantly cooler operation.
11. Less frequent outages, higher output improves workplace safety.

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# Frequently Asked Questions (FAQ)









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**EPL-TPM-150LED-RT**

**Product ID: 105051**

**Harmonized System (HS) Code:** 9405.41.84.10

**Export Control Classification Number (ECCN):** EAR99

**Options:**

**EPL-TPM-150LED-RT-Voltage-Cord Cap-Beam Angle**

**Example: EPL-TPM-150LED-RT-1227-1523-60DB**

| Voltage | |
|---|---|
| 120-277V AC | -1227 |
| 11-25V AC/DC | -1224 |

| Cord Cap | |
|---|---|
| 5-15 | -1523 |
| 5-20 | -2023-125V |
| 6-20 | -2023-250V |

| Beam Angle | |
|---|---|
| 60° SPREAD | -60DB |
| 125° SPREAD | -125DB |

Links (Click on the below items to view):

- Canadian CEC Certificate (Commonly referred to as CSA Certificate)
- CE Certificate
- Certificate 1, Misc
- Certificate 2, Misc
- Certificate 3, Misc
- Dimensional Drawing 2D
- IES (Photometric File)
- MSDS (Material Safety Data Sheet
- RoHS Certificate (Restriction of Hazardous Substances)
- STEP File (3D CAD Model)
- USA NEC Certificate (Commonly referred to as UL Certificate)
- Wiring Diagram (Oneline)
- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- HigResPic6
- HigResPic7
- HigResPic8
- HigResPic9
- HigResPic10
- Video1
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map