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EPL-TP.S-50LED-RT-195C

50W Explosion Proof LED Tripod Light - 3.5ft to 10ft - 7,000 lms - 195' Cord w/ Cord Cap

Product ID: 243105

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

Image: EPL-TP.S-50LED-RT-195C

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-TP.S-50LED-RT-195C - Explosion Proof LED Tripod Light

Listing: NRTL Listed for United States, Canada
Lamp Technology: LED
Tripod Dimensions: 3.5' to 10'
Weight: 33 lbs
Voltage: 100-277V AC
Total Watts: 50W
Total Lumens: 7,000 lms
Luminous Efficacy: 140 Lm/w
Lamp Life: 60,000+ Hours
Color Temp: 5600K, 5000K, 4500K, 4000K, 3500K, or 3000K
Color Rendering Index: >75 CRI
Beam Angle: 60°, 125°, 140°
Lighting Configuration: Flood Pattern
Power Efficiency: >95%
Power Factor: 0.99
Amps: 0.42A @ 120V, 0.21A @ 240V, 0.18A @ 277V
Ambient Operating Temp Range: -50° C to +65°C
Operating Temp Rating: T5
Temperature Rise: 11°C (10°F) Over Ambient
Housing Material: Copper Free Cast Aluminum

Ratings/Approvals

Class I, Divisions 1 & 2, Groups C and D
Class II, Divisions 1 & 2, Groups E, F and G
Class III, Divisions 1 & 2
T5 Temperature Rating
Paint Spray Booth Approved
IEC 60529 Tested
IP67 Rated Waterproof
LEL Approved
Single LED Driver
80% Lumen Retention after 60,000 Hours
Factory Sealed Light Fixture
Surge Protection
Replacement for 250W Metal Halide Lamps

Housing Finish: Epoxy Powder Coated - Grey
Lens Material: Hardened Borosilicate Glass
Gasket Material: Silicone
Mounting: Adjustable Trunnion and Aluminum Tripod
Wiring: 195' 16/3 SOOW Cord w/ Cord Cap
Cord Cap Options: 5-15 Straight, 6-15 Straight, L5-15 Twist, L6-15 Twist, UK BS1363, Intl. Schuko, Pigtail

Special Orders - Special Requirements
Contact us for special requirements
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The Larson Electronics EPL-TP.S-50LED-RT-195C Explosion Proof LED Tripod Light provides operators with a powerful alternative to traditional hazardous location luminaries. Capable of replacing 250-watt metal halide lamps, this 50-watt LED unit emits 7,000 lumens, carries an IP67 waterproof rating and features a long lifespan of 60,000+ hours. The explosion proof LED light is secured on an adjustable trunnion bracket, equipped with a 195` cord, and mounted atop an aluminum tripod that extends from 3.5` to 10`. This portable explosion proof tripod can be shipped UPS/FedEx Next Day Air.

The EPL-TP.S-50LED-RT-195C is a Class I, Division 1 & 2 and Class II, Division 1 & 2 explosion proof light that is designed for energy efficient and superior illumination in combustible environments. Mounted on a sturdy adjustable tripod, this 50-watt LED light offers 7,000 lumens of high quality light with a standard color temperature of 5000K. We also offer a 3000K warm white and 4500K natural white color temperature options (longer lead times may apply for non-standard temperatures). Serving as a suitable replacement for 250-watt metal halide lamps, a color rendering index of 75 ensures colors and details are produced more accurately than high pressure sodium or mercury vapor luminaries.

The compact design of the EPL-TP.S-50LED-RT-195C allows this tower mounted explosion proof LED light to be shipped via standard carriers (UPS, FedEx, DHL) and can be shipped via air shipments without suffering damage. This translates to a readily available product that can be quickly shipped and delivered for last minute projects and requirements. With a complete assembly weight of 33 (including light head, cord, and tower mount combined), this is a truly portable explosion proof light without sacrificing the performance output typically seen with other small form factor explosion proof products. No more having to hassle with pallet shipments for bulky and heavy explosion proof luminaries.

This powerful lighting solution is IP67 rated, dust-proof and protected against high pressure jets and temporary submersion. The copper-free aluminum alloy housing is specially designed to dissipate heat which increases the efficiency and lifespan of the LEDs and electronic components. An epoxy powder coated finish facilitates durability and an attractive aesthetic appearance. Special heat dissipating design in conjunction with LED technology helps this fixture achieve an excellent 60,000-hour rated lifespan with 80% lumen retention. The explosion proof LED light also offers operators convenience in the form of field serviceability.

LED Benefits: Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation and/or transportation. 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 is applied, providing instant illumination with no warm up or cool down time before re-striking. Because there is no warm up period, this light can be cycled on and off with no reduction in lamp life.

LED lights run at significantly cooler temperatures than traditional metal halide and high

pressure sodium lights and contain no harmful gases, vapors, or mercury, making them both safer and more energy efficient. No extra energy is wasted in cooling enclosed work areas due to external heat emissions from bulb type lights, and the operator risks associated with traditional lighting methods, such as accidental burns and exposure to hazardous substances contained in the glass bulbs, are eliminated. In addition, LEDs are also safer for the environment as they are 100% recyclable, which eliminates the need for costly special disposal services required with traditional gas burning and arc type lamps.

Energy Consumption Comparison

	Metal Halide	LED
Wattage	250 watts	50 watts
Amp Draw @ 120V AC	2.25 amps	0.42 amps
Amp Draw @ 220V AC	1.23 amps	0.23 amps
Amp Draw @ 240V AC	1.13 amps	0.21 amps
Amp Draw @ 277V AC	0.98 amps	0.18 amps
Lamp Life Expectancy	20,000 hours	60,000+ hours
Operation cost per year (12hs/day @ 12c/kWh)	$357.84	$26.30

Each LED light fixture has the potential to save $150.00+ per year in electricity alone, not including maintenance costs, operational downtime, reduced productivity, HVAC loads, or carbon footprint. When retrofitting an entire facility with 100s of light fixtures, the return on investment of LED over metal halide becomes evident.

LED Drivers: Even in LED fixtures, heat is the single largest factor in premature light failure and color shifting. As a result, many manufacturers reduce the output of their LEDs in order to reduce the amount of heat produced. Rather than lower light output or quality, Larson Electronics addresses this problem with the addition of an electronic LED driver. This internal driver provides the ability to automatically monitor and adjust input current to maintain the correct LED voltage levels regardless of input levels across a specific range. This not only reduces the energy dissipation, effectively lowering the operating temperature of the fixture, but also prevents AC over-voltage and short circuit loading making this fixture virtually maintenance free. Because the electronic driver allows the EPL-TP.S-50LED-RT-195C to run at a cooler internal temperature and regulates the electrical current, energy efficiency and LED service hours are maximized while at the same time reducing operating costs and downtime incurred from the frequent servicing intervals required with other hotter running lights.

Voltage: This light is universal voltage capable and can be operated with 100-277V AC, 50/60Hz.

Click Photos to Enlarge

5-15 Straight Blade Plug
15 Amp / 125V Rated

L5-15 Twist Lock Plug
15 Amp / 125V Rated

L6-15 Twist Lock Plug
15 Amp / 250V Rated

UK BS1363 Straight Blade Plug
13 Amp / 250V Rated / Internal Fuse

Intl Schuko 2-Pin Plug
16 Amp / 250V Rated / Grounded

Flying Leads / Pigtail Wires

Wiring/Plug: This LED light is equipped with 195 feet of 16/3 chemical and abrasion resistant SOOW cord that is fitted with an industrial grade cord cap for easy connection to common wall outlets. Plug options include standard 5-15 15 amp straight blade plug for 110V wall outlets with ground, standard 6-15 15 amp straight blade plug for 220-240V wall outlets with ground, NEMA L5-15 15 amp twist lock plug for 125V twist lock outlets, NEMA L6-15 15 amp twist lock plug for 240V twist lock outlets, British BS1363 13 amp fused 3-blade plug for United Kingdom outlets, or a two pin 16 amp rated Schuko plug with ground contact and socket for European outlets up to 250V. Alternatively, we can provide flying leads with no plug for hard wire applications or for operators who prefer to wire in user provided cord caps. Please choose pigtail option below for flying leads with no plug.

Tripod Mount: The explosion proof LED unit is mounted to an adjustable aluminum tripod that can reach heights up to 10 feet and can be lowered to 3.5 feet for applications where a lower height is required or for storage and transportation. The LED lamp is adjustable via a trunnion bracket at the back of the lamp for precise light placement.

Suggested Applications: Paint spray booths, aircraft maintenance, oil drilling rigs, refineries, solvent and cleaning areas, chemical manufacturing, waste treatment plants, gas processing plants and more.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

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Frequently Asked Questions (FAQ)

There are no Faqs

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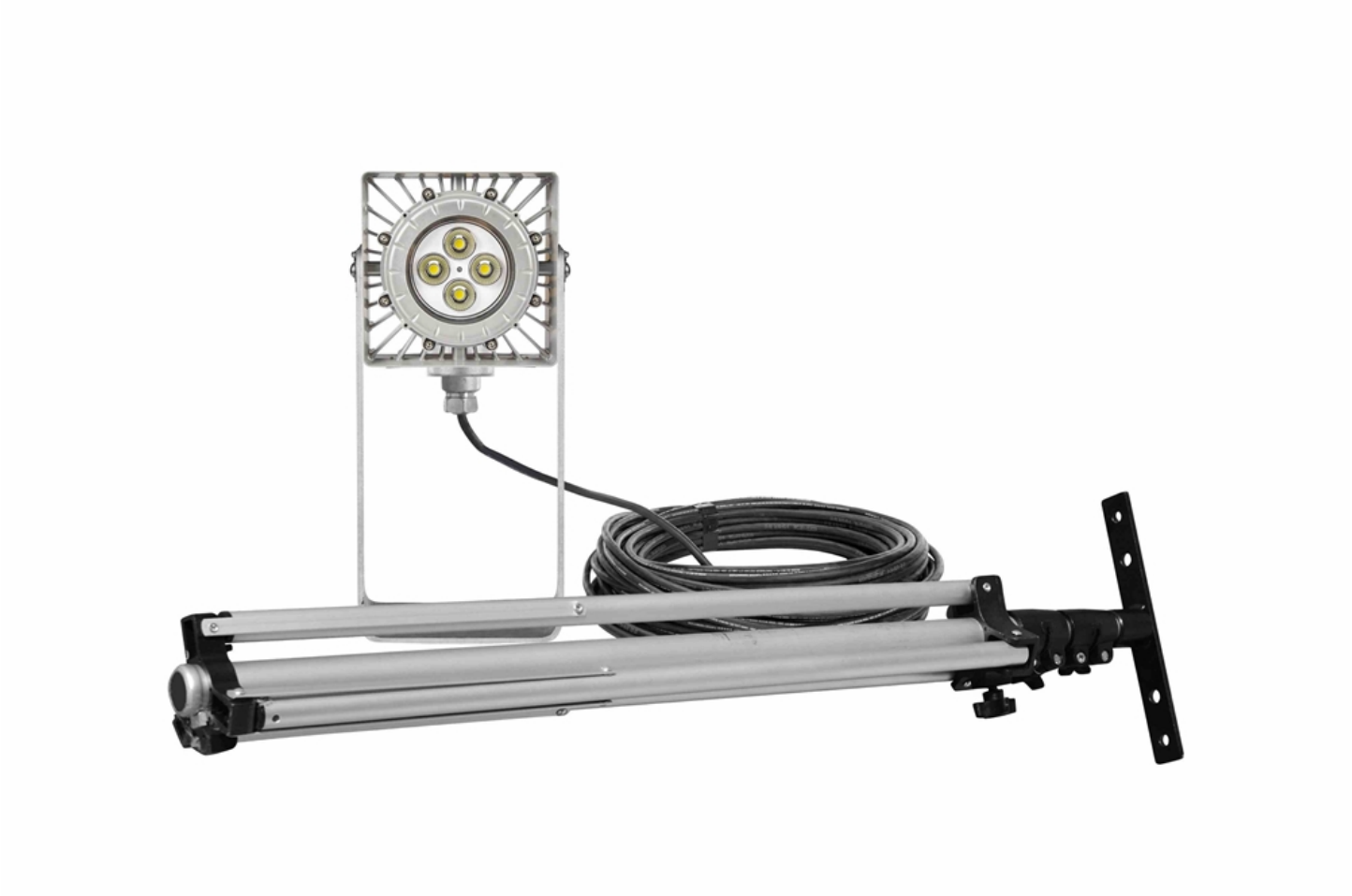

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EPL-TP.S-50LED-RT-195C

Product ID: 243105

Harmonized System (HS) Code: 9405.41.84.10
Export Control Classification Number (ECCN): EAR99

Options:

EPL-TP.S-50LED-RT-195C-Beam Spread-Color Temperature
Example: EPL-TP.S-50LED-RT-195C-60B-56K

Beam Spread	
60°	-60B
125°	-125B
140°	-140B

Color Temperature	
5600K	-56K
5000K	-50K
4500K	-45K
4000K	-40K
3500K	-35K
3000K	-30K
2700K	-27K

Links (Click on the below items to view):

- **Beam Information (Coverage, Datafile)**(https://www.larsonelectronics.com/images/product/BeamInfo/243105.PDF)
- **Dimensional Drawing 2D**(https://www.larsonelectronics.com/images/product/DimensionalDrawing/243105.PDF)
- **IES (Photometric File)**(https://www.larsonelectronics.com/images/product/ies/243105.ZIP)
- **MSDS (Material Safety Data Sheet**(https://www.larsonelectronics.com/images/product/Msds/243105.PDF)
- **Operations Manual**(https://www.larsonelectronics.com/images/product/Manual/243105.PDF)
- **Wiring Diagram**(https://www.larsonelectronics.com/images/product/WiringDiagram/243105.PDF)
- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/243105.JPG)
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- **Video1**(https://www.youtube.com/watch?v=l_kKs2pcL8U)
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