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RNT-EPL-TP-2X150RT-MCE-100

RENT 300W Explosion Proof LED Light Tower - Extendible Tower W/ Wheels - 100 foot Cord EXP Plug

Product ID: 242870

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.

RNT-EPL-TP-2X150RT-MCE-100 Explosion Proof LED Quadpod
NRTL Listed for United States & Canada
Lamp Type: Cree LED
Deployed (Extended) Dimensions: 45"-L x 45.3"-W x 132.5"-H
Deployed (Collapsed) Dimensions: 45"-L x 45.3"-W x 92.5"-H
Transport Dimensions: 81.8"-L x 45"-W x 35.9"-H
Weight: 125 Lbs
Voltage: 120-277V AC 50/60Hz
Total Watts: 300W
Total Lumens: 35,000
Luminous Efficacy: 116.67 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: 2.5A @ 120V, 1.25A @ 240V, 1.09A @ 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

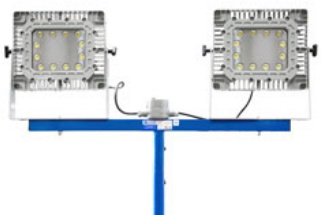
Quick Summary
NRTLListed for United States and Canada
Class I, Divisions 1 & 2, Groups C and D
Class II, Divisions 1 & 2, Groups E,F,G
Class III, Divisions 1 & 2
NRTL Certified to UL 844 Ed. 13
NRTL Certified to UL 1598
NRTL Certified to C22.2 No. 137 Rev 2009
NRTL Certified to C22.2 No. 250.0
T5 Temperature 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
100 Foot SOOW Cable
Adjustable Tower 8 - 11 Feet
Direct Replacement for 2x 400W MH Towers

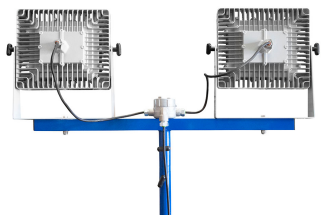
Special Orders - Special Requirements
Contact us for special requirements
Toll Free: 1-800-369-6671

Mounting: Non-Sparking Telescoping Aluminum Tower w/ Wheels
Wiring: 100` 16/3 SOOW Cable w/ explosion proof cord cap
Cord Cap: 5-15, 5-20, or 6-20

Intl: 1-903-270-1187
Fax: 1-903-498-3364
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This unit is for rentals.
Made in the USA
The RNT-EPL-TP-2X150RT-MCE-100 Portable Telescoping Explosion Proof LED Light Tower from Larson Electronics produces 35,000 lumens of light capable of illuminating an area 14,500 square feet in size. This adjustable Cree LED light tower is designed for portability and durable operation and ideal for use in demanding conditions. Equipped with a wheeled base, two adjustable Cree LED light heads, and 100` of SOOW cable terminated in an explosion proof cord cap, this explosion proof LED light tower is ideal for hazardous locations requiring quality portable lighting.
PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO LIGHT MASTS, LIGHT TOWERS, OR QUADPODS
The RNT-EPL-TP-2X150RT-MCE-100 is a wheeled tower mounted explosion proof LED lighting system and provides 14,500 square feet of work area coverage with 35,000 lumens of light output. This portable LED light tower has a removable LED light head mounted on top of a telescoping light tower equipped with a wheeled base for easy positioning of the unit from one area of the workspace to another. The LED light head on this unit produces a wide flood pattern of light that is ideal for illuminating large workspaces and jobsites. 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.
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.
This portable LED light is comprised of two adjustable explosion proof LED light heads mounted atop a wheeled tower fabricated from non-sparking powder coated aluminum. This adjustable and collapsible tower can be extended to 11`, collapsed to 7-3/4`, and allows for multiple height set points in between for perfect altitude. The tower knocks over and is secured to the wheeled base. The T-style tower head can be removed from the mast and installed on the transport mount on the side of the tower`s base to aid in transportation and storage. With the tower standing upright, the solid wheels allow the operator to tilt the unit back and simply roll the entire assembly to a new location. With the tower in transport mode, operators pick up on the mast to maneuver the tower.


Click Photo to Enlarge


Click Photo to Enlarge


Click Photo to Enlarge

Each 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. Each light head is mounted to the T-style tower head via an adjustable trunnion bracket that allows for both vertical and horizontal of each light head independently.
Voltage: This explosion proof lighting system 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. This explosion proof LED light fixtures are 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. The non-sparking wheeled tower provides portability within the hazardous location.

Click Photos to Enlarge



5-15 Straight Blade Plug



5-20 Straight Blade Plug



6-20 Straight Blade Plug

Wiring & Plug: This explosion proof flood light is equipped with 100` of 16/3 chemical and abrasion resistant SOOW cord that is fitted with an explosion proof cord cap to provide ample length for tower placement and optimal coverage of the workspace and easy connection to explosion proof outlets. Plug options include a 5-15 15 amp straight blade plug for use with 120V explosion proof outlets, a 5-20 20 amp straight blade plug for use with 120V explosion proof outlets, or a 6-20 20 amp straight blade plug for use with 220-240V explosion proof outlets. ***PLEASE NOTE** voltage ratings on plugs and outlets are MAXIMUM voltage. For low voltage applications, proper voltage must be applied to the outlet or damage to the light fixture will occur*

Energy Consumption Comparison

	Metal Halide	LED
Wattage	800 watts	300 watts
Amp Draw @ 120V AC	7.66 amps	2.50 amps
Amp Draw @ 220V AC	4.18 amps	1.37 amps
Amp Draw @ 240V AC	3.84 amps	1.25 amps
Amp Draw @ 277V AC	3.32 amps	1.09 amps
Amp Draw @ 12V DC	76.66 amps	25.00 amps
Amp Draw @ 24V DC	38.24 amps	12.50 amps
Lamp Life Expectancy	20,000 hours	50,000+ hours
Operation cost per year (12hs/day @ 12c/kWh)	$483.56	$157.68

Each LED light tower has the potential to save $300.00+ 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.

This LED light produces 17,500 lumens with a color temperature of 5000K and a color rendering index of 75 which produces colors and details much more accurately than high pressure sodium or mercury vapor luminaries. We also offer a 3000K warm white and 4000K natural white color temperature options (longer lead times may apply for non-standard temperatures). The EPL-HB-150LED-RT-100-EPP offers several mounting options including ceiling mounting, pendant mounting, wall mounting and cable mounting. The standard version of this explosion proof LED fixture includes a pendant mount and a surface mount option.

Each 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° or 125° flood beam while only drawing 2.5 amps on 120V, making these units ideal for use as highly efficient yet powerful work and area lights. The RNT-EPL-TP-2X150RT-MCE-100 hazardous location LED light is an ideal replacement for fragile and hot running 400 watt metal halide floodlights.

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.

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 quadpod 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. Solid rubber tires. No flats or tube replacements.
7. 35,000 Lumens produced from only 300 watts.
8. Mercury free shock proof LED lamp light head.

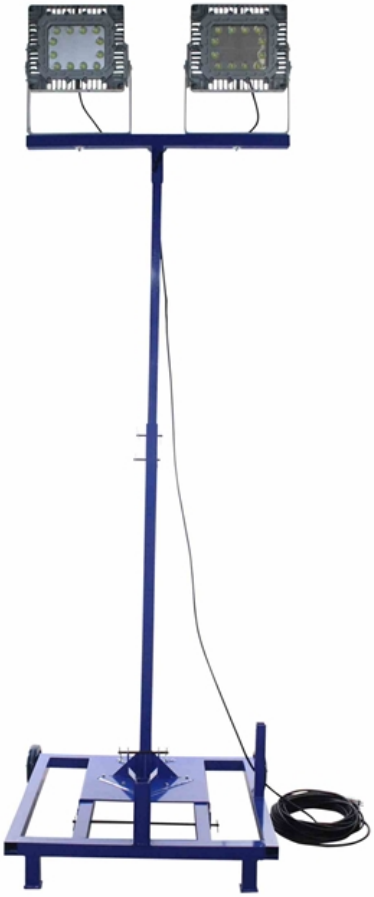
Superior LED Benefits

1. 50,000+ 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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RNT-EPL-TP-2X150RT-MCE-100

Product ID: 242870

Export Control Classification Number (ECCN): EAR99

Options:

RNT-EPL-TP-2X150RT-MCE-100-Rental Length-Beam Config-Cord Cap

Example: RNT-EPL-TP-2X150RT-MCE-100-MR-60DB-1523

Rental Length	
MONTHLY	-MR
WEEKLY	-WR
DAILY	-DR

Beam Config	
60°	-60DB
125°	-125DB

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

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
- MSDS (Material Safety Data Sheet
- RoHS Certificate (Restriction of Hazardous Substances)
- USA NEC Certificate (Commonly referred to as UL Certificate)
- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- HigResPic6
- HigResPic7
- HigResPic8
- HigResPic9
- HigResPic10
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map