

## **EPL-JH16C-150LED-RT-100**

**150W Explosion Proof LED Light - 21,000 Lumens - C1D1 & C2D1 - Adjustable J-Bracket**

**Product ID: 147648**

**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-JH16C-150LED-RT-100 Explosion Proof Tank Light**

**Listing:** United States & Canada

**Lamp Type:** Cree LED

**Dimensions:** 16" Light Head

**Weight:** 55 lbs

**Mounting:** Aluminum Ladder/Rail J-Bracket

**Voltage:** 100-277 Volts AC, 50/60Hz

**Total Watts:** 150W

**Total Lumens:** 21,000

**Luminous Efficiency:** 140 Lm/W

**Lamp Life:** 60,000+ Hours

**Color Temp:** 5600K, 5000K, 4500K, 4000K, 3500K, 3000K, 2700K, or 6500K

**Color Rendering Index:** >75 CRI

**Beam Angle:** 60°, 125°, or 140°

**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

**Housing Material:** Copper Free Cast Aluminum

**Bracket Mount Material:** Non-Sparking Aluminum

**Lens Material:** Hardened Borosilicate Glass

**Gasket Material:** Silicone

**Wiring:** 100' 16/3 SOOW Cable

**Cord Cap:** 5-15 Explosion Proof Straight Blade Plug

### **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

5-15 Class I explosion proof plug

Recommended 12' to 40' Mounting Height

### **Special Orders - Special Requirements**

Contact us for special requirements

**Toll Free:** 1-800-369-6671

**Intl:** 1-903-270-1187

**Fax:** 1-903-498-3364

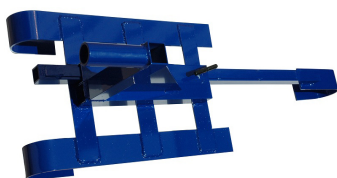
Beam Lux: 9500 @ 1 Meter 1500 @ 3 Meters

E-mail: [sales@larsonelectronics.com](mailto:sales@larsonelectronics.com)

### Made in the USA

**The EPL-JH16C-150LED-RT-100 from Larson Electronics is an Explosion Proof LED Light that is rated Class I Divisions 1 & 2, Groups C & D and Class II Divisions 1 & 2, Groups E, F & G and produces 21,000 lumens of light while drawing only 150 watts. This hazardous area Cree LED light comes attached to an aluminum rail/ladder mount bracket constructed from non-sparking aluminum that allows operators to easily mount this unit to ladders, handrails, catwalks and other similar structures.**

The EPL-JH16C-150LED-RT-100 explosion proof LED light provides 9,500 square feet of work area coverage with 21,000 lumens of light output. This portable LED light has an adjustable 150 watt LED light head and an aluminum rail/ladder bracket that can be adjusted from 26 inches to 43 inches to allow mounting to a wide variety of railings, scaffoldings or ladders. This explosion proof LED light has a light head measuring only 16" by 14", which allows it to fit through most standard sized manholes and entryways and produces a brilliant flood pattern of light that is ideal for illuminating large enclosed areas, further adding to this unit's desirability as a portable hazardous area lighting solution.



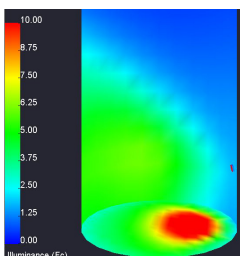
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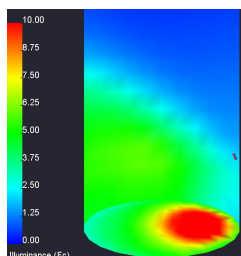
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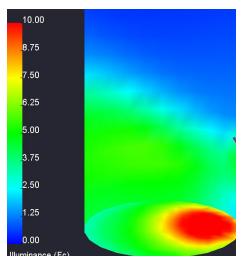
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Mounted at 10'



Mounted at 12'



Mounted at 15'

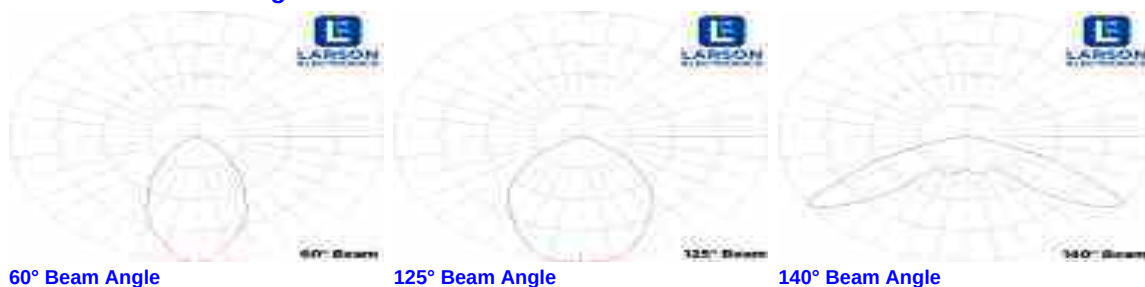
The above images display the EPL-JH16C-150LED-RT-100 illuminating a tank with a 90' circumference at three different heights.

**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 a 16" by 14" LED light head mounted to an aluminum bracket with an adjustable J-shaped top and bottom hooks that enables operators to securely mount the light to any ladder or scaffolding. Lamp adjustment is via an adjustable yolk that allows the operator to position the lamp angle through a full 90 degrees of vertical adjustment. All hardware on this unit is non sparking/corrosion resistant and the power cord is chemicals and abrasion resistant. Included with this LED lighting system is 100 feet of SOOW cord terminating in an explosion proof plug, which combined with the full adjustability offered by the LED light head and mounting system provides an effective alternative to often cumbersome explosion proof string lights.

[Click Photos to Enlarge](#)



**Beam Angles:** When used as a portable lighting solution, the varying beam angles are each individually ideal for several environments. The 60° beam provides the most intense beam of the three options. It is perfect for narrow, confined spaces and is ideally suited for tank cleaning purposes. It offers focused light to provide ample illumination to tight work spaces and other environments. The 125° beam offers a more diffused source of light that is also less intense in brightness. It is a great general area work light and performs well when used for outdoor illumination. The 140° beam offers a very wide lighting pattern and is ideal for situations where lighting distance is not a concern, but illumination of a wider area and even light distribution is. The 140° beam is great for situations that call for working in close proximity to lights such as in a paint booth.

This light is universal voltage capable and can be operated with 100-277V AC, 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 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.

Twenty-five peel off mylar overspray lamp protectors ship with this ladder rack mount light, further adding to the versatility and convenience this LED light. The protectors provide lamp protection from dirt or debris and can be removed, cleaned and replaced, lessening the need for tedious lamp cleaning or replacements.

This LED light produces 21,000 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 luminaries. The EPL-JH16C-150LED-RT-100 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.

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](mailto:sales@larsonelectronics.com) for more information about our custom options tailored to meet your specific industry needs.

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### **Made in USA Quality**

1. Approved Class I Divs. 1-2 Class II Divs. 1-2.
2. Fixture arrives assembled and lamped to reduce installation time and cost.
3. J-Bracket constructed of non sparking aluminum.
4. No ballast box. No ballast to replace.
5. Extreme long life LEDs reduce maintenance and replacement costs.
6. Light weight and High Output.
7. 25 peel off mylar overspray lamp protectors ship with the unit.
8. 21,000 Lumens from only 150 watts.
9. Mercury free shock proof LED lamp light head.

### **Superior LED Benefits**

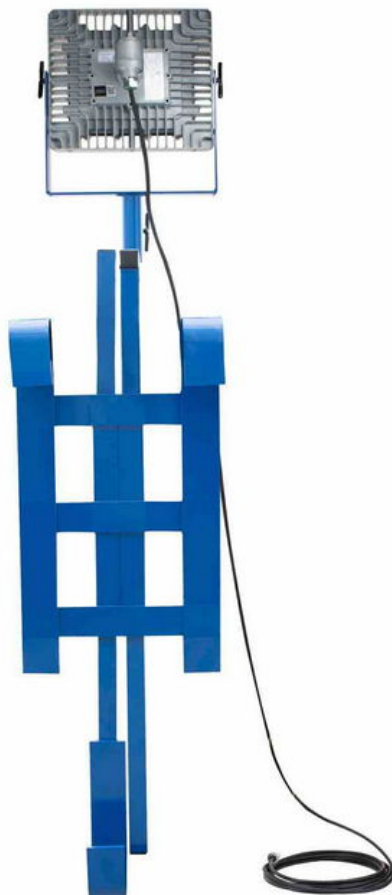
1. 50,000+ hour lifespan.
  2. Can SAVE 50% or more on energy.
  3. 100% recyclable.
  4. No toxins-lead, mercury.
  5. No UV light, infrared radiation or CO2 emissions.
  6. Bright, even light maintains consistent color over time.
  7. Instant on/off - No flickering, delays or buzzing.
  8. Very good 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)







**EPL-JH16C-150LED-RT-100**

**Product ID: 147648**

**Warranty:** 60 Months

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

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

**Options:**

**EPL-JH16C-150LED-RT-100-Beam Angle-Color Temp**

**Example:** EPL-JH16C-150LED-RT-100-60B-56K

| Beam Angle |       |
|------------|-------|
| 60°        | -60B  |
| 125°       | -125B |
| 140°       | -140B |

| Color Temp |      |
|------------|------|
| 5600K      | -56K |
| 5000K      | -50K |
| 4500K      | -45K |
| 4000K      | -40K |
| 3500K      | -35K |
| 3000K      | -30K |
| 2700K      | -27K |
| 6500K      | -65K |

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](#)
- [MSDS \(Material Safety Data Sheet](#)
- [RoHS Certificate \(Restriction of Hazardous Substances\)](#)
- [USA NEC Certificate \(Commonly referred to as UL Certificate\)](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [HigResPic4](#)
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- [Business Certificate](#)
- [Shipping Time Map](#)