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EPL-JH16C-150LED-RT-140DB-100

Explosion Proof LED Light - 21,000 Lumens - Class 1 Div 1 & Class 2 Div 1 -Adjustable J-Bracket

Product ID: 104945

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-140DB-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 1 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

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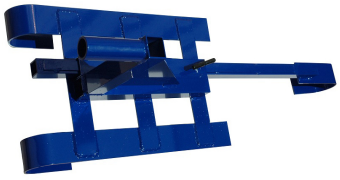
Beam Lux: 9500@ 1 Meter 1500@ 3 Meters

E-mail: sales@larsonelectronics.com

Made in the USA

The EPL-JH16C-150LED-RT-140DB-100 Explosion Proof LED Light from Larson Electronics is rated Class 1, Divisions 1-2, Groups C & D and Class 2, 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-140DB-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.



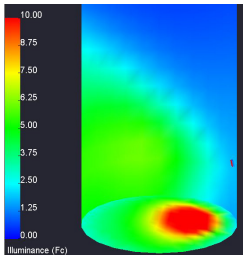


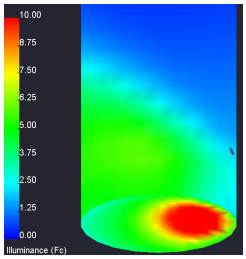


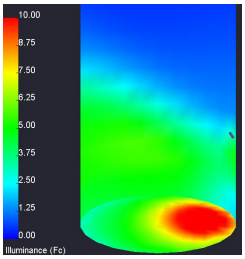
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Mounted at 10`

Mounted at 12`

Mounted at 15`

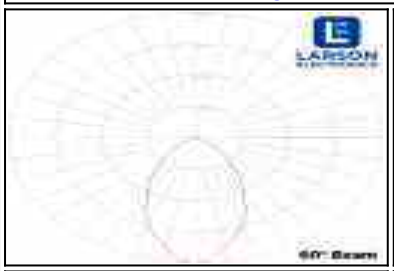
The above images display the EPL-JH16C-150LED-RT-140DB-100 illuminating a take with a 90` circumference at three different heights.

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.

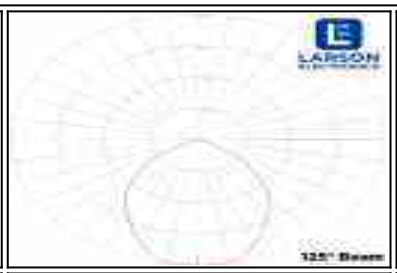
This portable LED light is comprised of a 16" by 14" LED light head mounted to an aluminum bracket with an adjustable J-shaped top and bottom hooks that enables operators to securely mount the light to any ladder or scaffolding. Lamp adjustment is via an adjustable yolk that allows the operator to position 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.

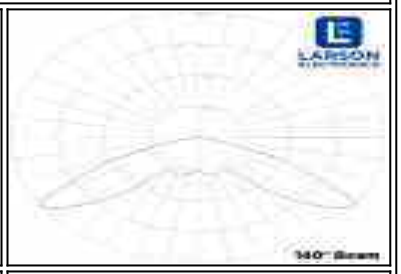
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60° Beam Angle



125° Beam Angle Plug



140° Beam Angle Plug

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 100-277 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 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.
25 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-HB-150LED-RT 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.

Made in USA Quality

1. Approved Class 1 Div1-2 Class II Div I-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.

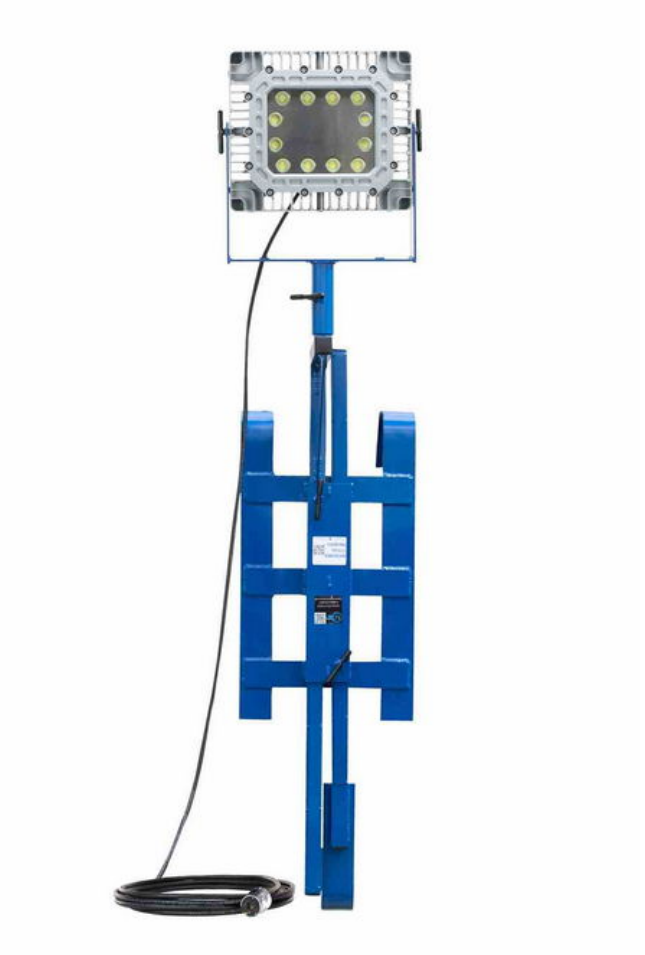
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Frequently Asked Questions (FAQ)

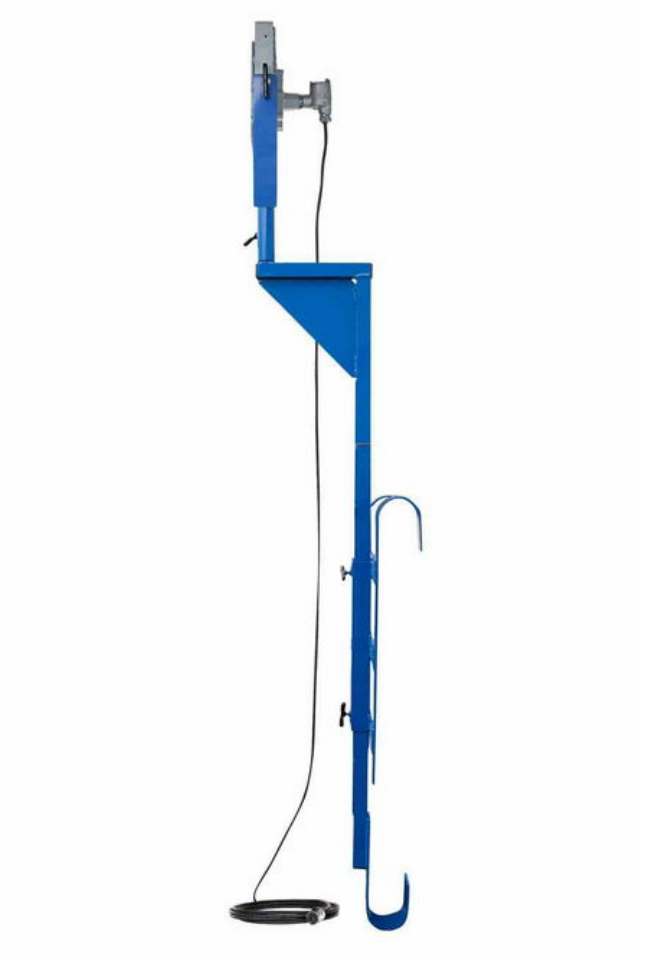
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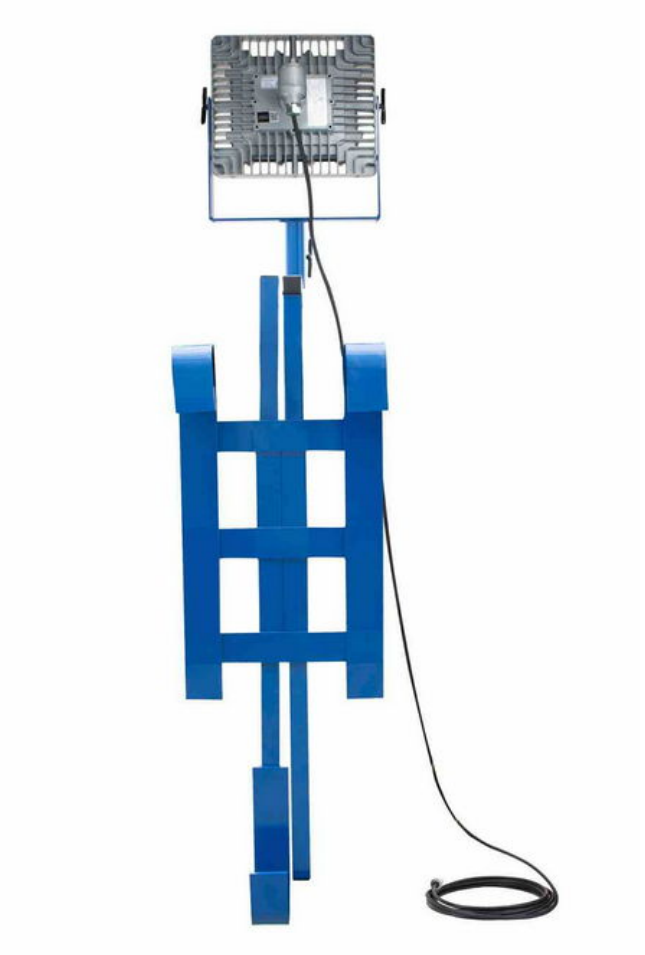
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EPL-JH16C-150LED-RT-140DB-100
Product ID: 104945

Warranty: 60 Months

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

Options:
EPL-JH16C-150LED-RT-140DB-100-Beam Angle-Color Temp
Example: EPL-JH16C-150LED-RT-140DB-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
- IES (Photometric File)
- MSDS (Material Safety Data Sheet
- RoHS Certificate (Restriction of Hazardous Substances)
- USA NEC Certificate (Commonly referred to as UL Certificate)
- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- Video1
- Video2
- Video3
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map