Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

EPLC2-HB-150LED-RT-CM-480V

150W Ceiling Mount Explosion Proof High Bay LED Light - 347-480V AC - Paint Booth Approved - 21,000 Lumens

Product ID: 271237

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.

EPLC2-HB-150LED-RT-CM-480V - High Bay Explosion Proof LED Light

Listing: NRTL Listed for United States and Canada
Lamp Technology: Cree LED
Dimensions: 14"H x 16"W x 11"D
Weight: 35 lbs
Voltage: 347-480V AC
Total Watts: 150W
Total Lumens: 21,000
Luminous Efficiency: 140 Lm/W
Lamp Life: 60,000+ Hours
Color Temp: 5000K, 4000K, 3000K
Color Rendering Index: >75 CRI
Lamp Type: -
Lamp Base: -
Replacement Lamp: -
Beam Angle: 60° or 125°
Lighting Configuration: Flood Pattern
NEMA Type (Lighting): 6H x 6V (60° Optics); 6H x 6V (125° Optics); 6H x 7V (140° Optics)
IES Classification: Type I (60° Optics); Type VS (125° Optics); Type VS (140° Optics)
Longitudinal Classification: Very Short (60° Optics); Very Short (125° Optics); Short (140° Optics)
Cutoff Classification: Cutoff
CIE Type: Direct
BUG Rating: B5-U1-G1 (60° Optics); B4-U1-G1 (125° Optics); B4-U1-G2 (140° Optics)
Power Efficiency: >95%

Ratings/Approvals

Class I, Division 2, Groups C and D
Class II, Divisions 1 & 2, Groups E,F,G
Class III, Divisions 1 & 2
ATEX EX II 3G Exd IIB T5 Ga
ATEX EX II 3D Exd IIA T5 Da
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
Certified to ATEX 94/9/EC
T5 Temperature Rating
Paint Spray Booth Approved
IEC 60529 Tested
IP67 Rated Waterproof
LEL Approved
Multiple Driver Banks

80% Lumen Retention after 50,000 Hours

Factory Sealed Light Fixture

Recommended 15` to 40` Mounting Height

Power Factor: 0.992

Ambient Operating Temp Range: -50°C to +65°C

Operating Temp Rating: T5

Housing Material: Copper Free Cast Aluminum

Lens Material: Hardened Borosilicate Glass

Gasket Material: Silicone

Mounting: Ceiling Mount Junction Box

Wiring: (4) 3/4" NPT Hubs on Ceiling Mount

Wiring Hub: 3/4" NPT

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

E-mail: sales@larsonelectronics.com

The Larson Electronics EPLC2-HB-150LED-RT-CM-480V Ceiling Mount Explosion Proof High Bay light fixture provides operators with a powerful and energy efficient alternative to traditional hazardous location luminaries. Cree LED technology and compact design makes this lamp an excellent replacement upgrade option for bulky and high maintenance cost older incandescent, metal halide and high pressure sodium lights. This LED light operates on universal voltage and natively runs on 347-480V AC without modifications.

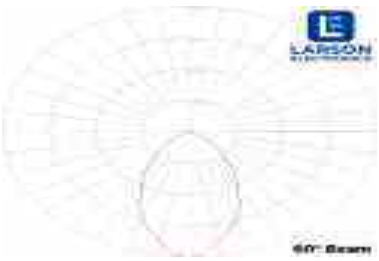
This Class I Division 2, Class II Divisions 1 & 2 explosion proof light fixture provides 21,000 of high quality light while drawing only 150 watts. The copper free aluminum alloy body is powder coated for added durability and an attractive aesthetic appearance. Special heat dissipating design in conjunction with LED technology helps this fixture to achieve an excellent 60,000 hour rated lifespan with 80% lumen retention. Light weight and a low profile make this unit an attractive alternative to larger and heavier older fixtures and requires less hardware to install.

This 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.

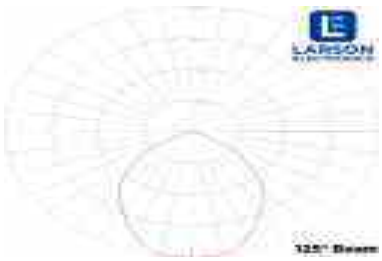
LED Benefits: Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation and/or transportation. Instead of heating a small filament or using a combination of gases to produce light, light emitting diodes (LEDs) use semi-conductive 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.

Click Photos to Enlarge



60° Beam Angle



125° Beam Angle



140° Beam Angle

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 347-480V AC without modifications. 347V is common in Western Canada, while 480V is common in the United States and Eastern Canada. 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 21,000 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 EPLC2-HB-150LED-RT-CM-480V 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 flat surface ceiling mount with four 3/4" NPT entries.

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.

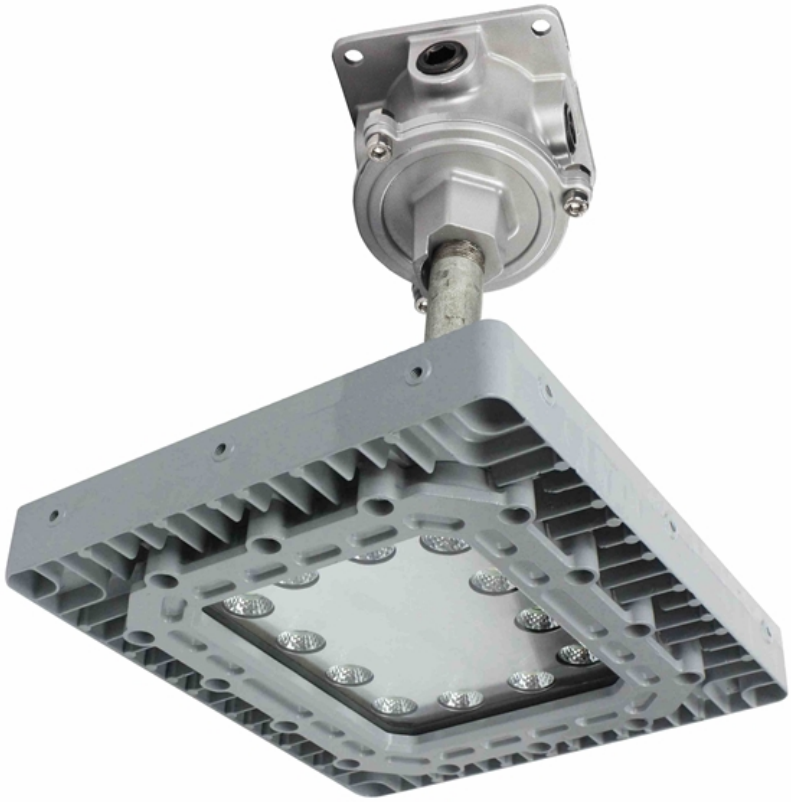
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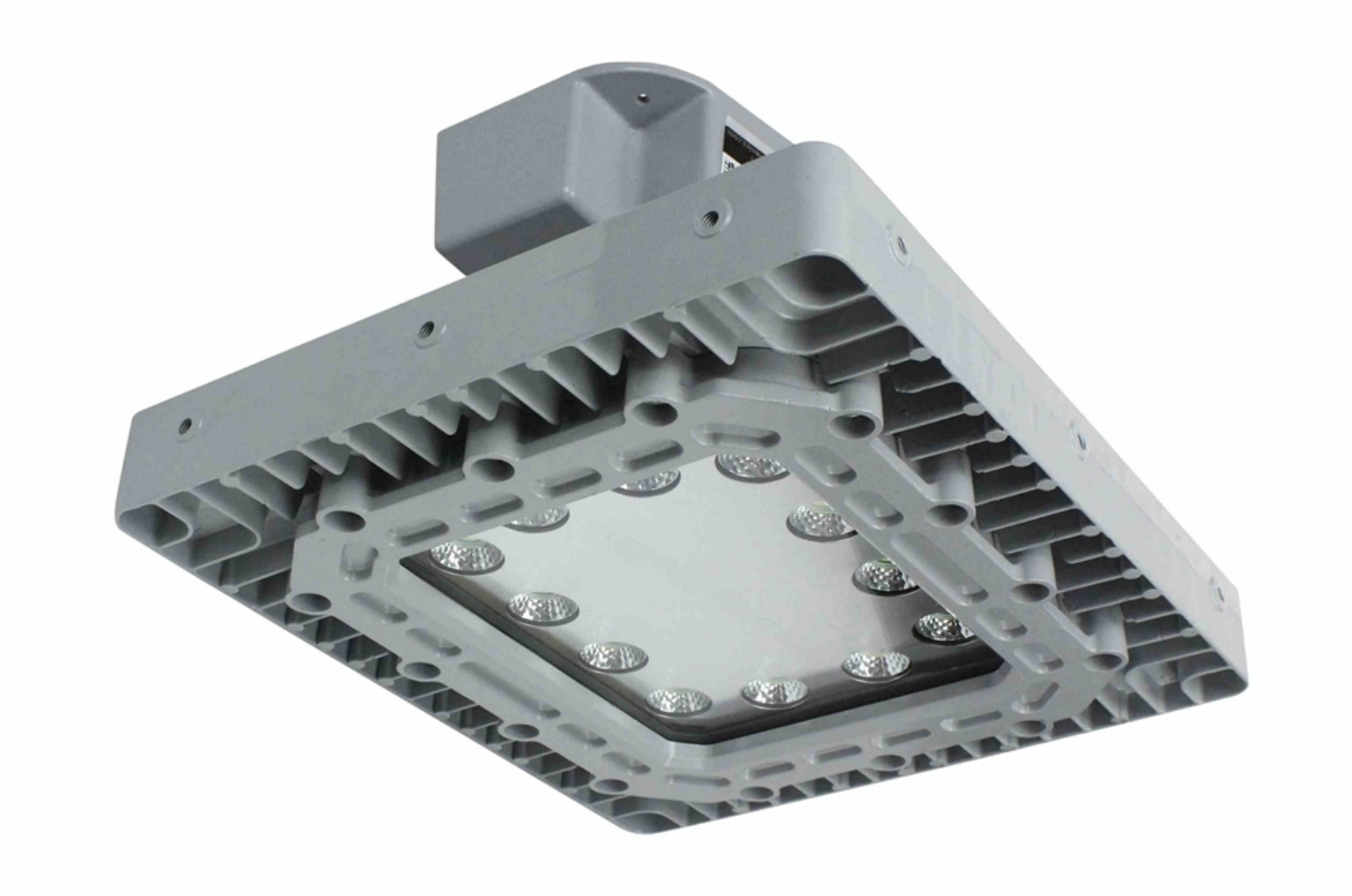
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Frequently Asked Questions (FAQ)









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EPLC2-HB-150LED-RT-CM-480V

Product ID: 271237

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

EPLC2-HB-150LED-RT-CM-480V-Beam Angle-Color Temp

Example: EPLC2-HB-150LED-RT-CM-480V-60B-56K

Beam Angle	
60°	-60B
125°	-125B

Color Temp	
5600K	-56K
4500K	-45K
4000K	-40K
3000K	-30K

Links (Click on the below items to view):

- **Canadian CEC Certificate (Commonly referred to as CSA Certificate)**
- **IES (Photometric File)**
- **LM79**
- **LM80**
- **Operations Manual**
- **Photometric Flood Report**
- **Photometric Indoor Report**
- **Photometric Polar Graph**
- **USA NEC Certificate (Commonly referred to as UL Certificate)**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**