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EPL-HB-150LED-RT-CM-DIMM

150W Ceiling Mount Explosion Proof High Bay Dimmable LED Light Fixture - Paint Spray Booth Approved - 0-10V Dimmable

Product ID: 274569

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-HB-150LED-RT-CM-DIMM - C1D1 High Bay Dimmable LED Light

Listing: United States - Canada
Lamp Type: Cree LED
Dimensions: 14"-H x 16"-W x 11"-D
Weight: 35 lb
Voltage: 100-277 Volts AC, 50/60 Hz or 11-25 Volts AC/DC
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
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%
Power Factor: 0.992
Ambient Operating Temp Range:-50°C to +65°C

Ratings/Approvals

NRTL 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
ATEX EX II 3G Exd IIB T5 Ga
ATEX EX II 3D Exd IIA T5 Da
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
NRTL 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 60,000 Hours
Factory Sealed Light Fixture
Recommended 15` to 40` Mounting Height
0-10V Dimmable

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
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The EPL-HB-150LED-RT-CM-DIMM from Larson Electronics is a Ceiling Mount Explosion Proof High Bay Dimmable LED Light Fixture that 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 Class I Divisions 1 & 2, Class II Divisions 1 & 2 explosion proof dimmable light fixture provides 21,000 lumens 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.
This light is universal voltage capable and can be operated with 100-277 V AC, 50/60 Hz. 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.
This LED light fixture features 0-10V dimming capabilities. This gives operators the ability to manually adjust the brightness of the LED lamp quickly and easily. The 0-10V dimming allows for adjustments to fit the brightness needs of any lighting situation. A 0-10V dimmable light works through the use of a DC control signal

that ranges between zero and ten volts. The basic idea is that at 10 volts of input the light is at its brightest level with 0 volts being the lowest possible dimness setting. The smooth, continuous and flicker-free dimming of a 0-10V dimmable LED light is ideal for a wide range of different lighting applications.
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 standard version of this explosion proof LED fixture includes a flat surface ceiling mount with four 3/4" NPT entries.
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.

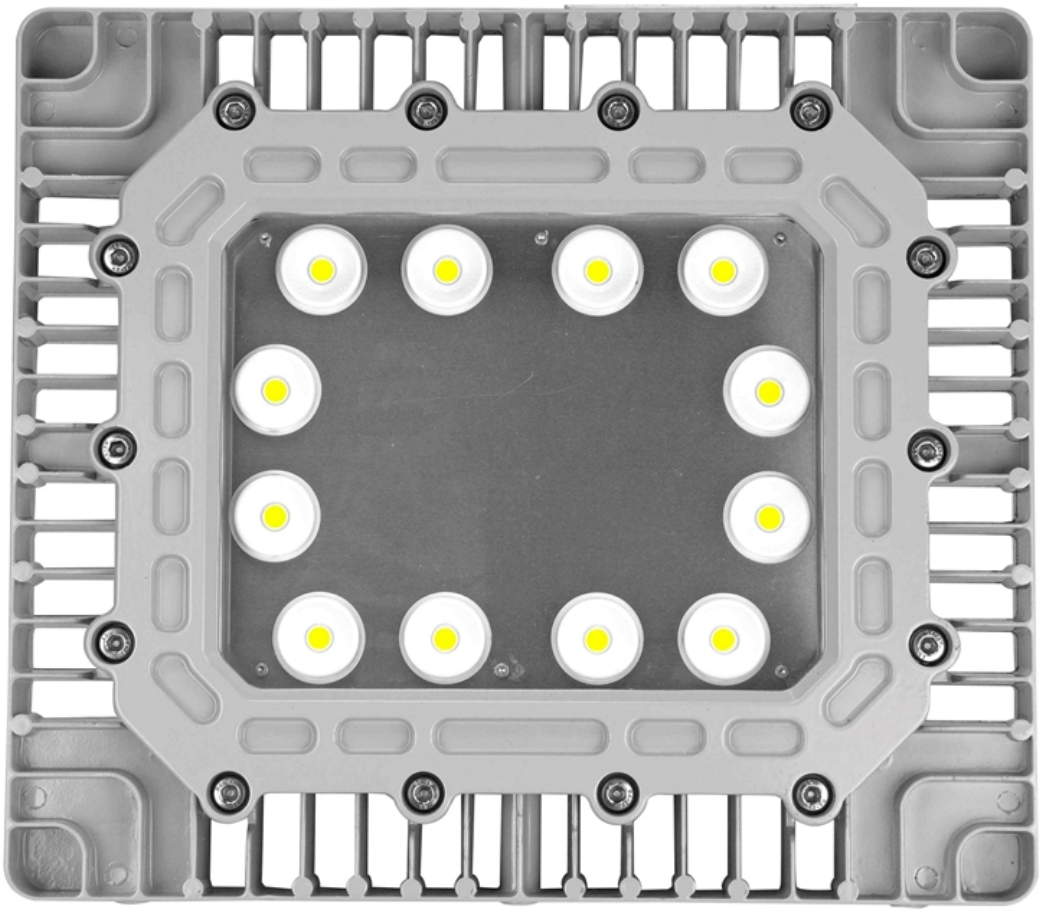
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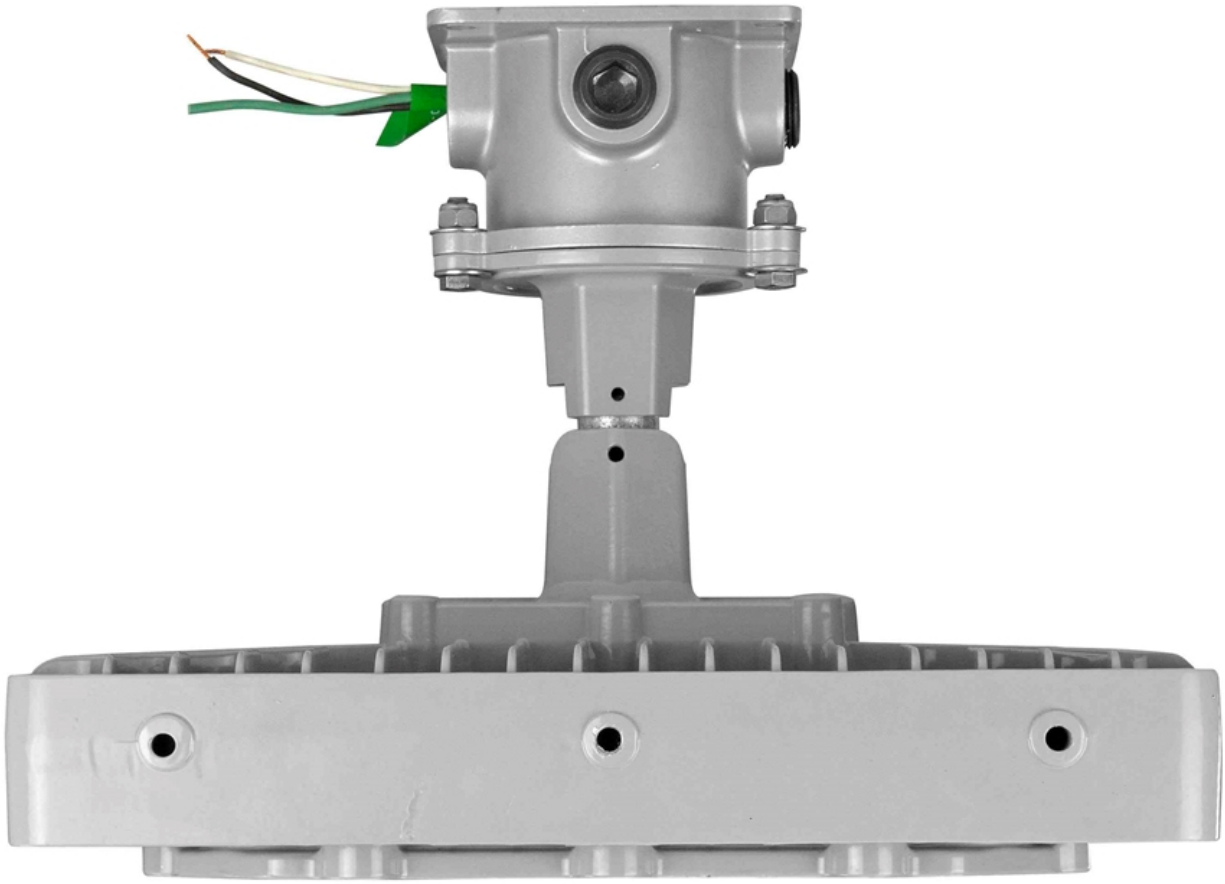
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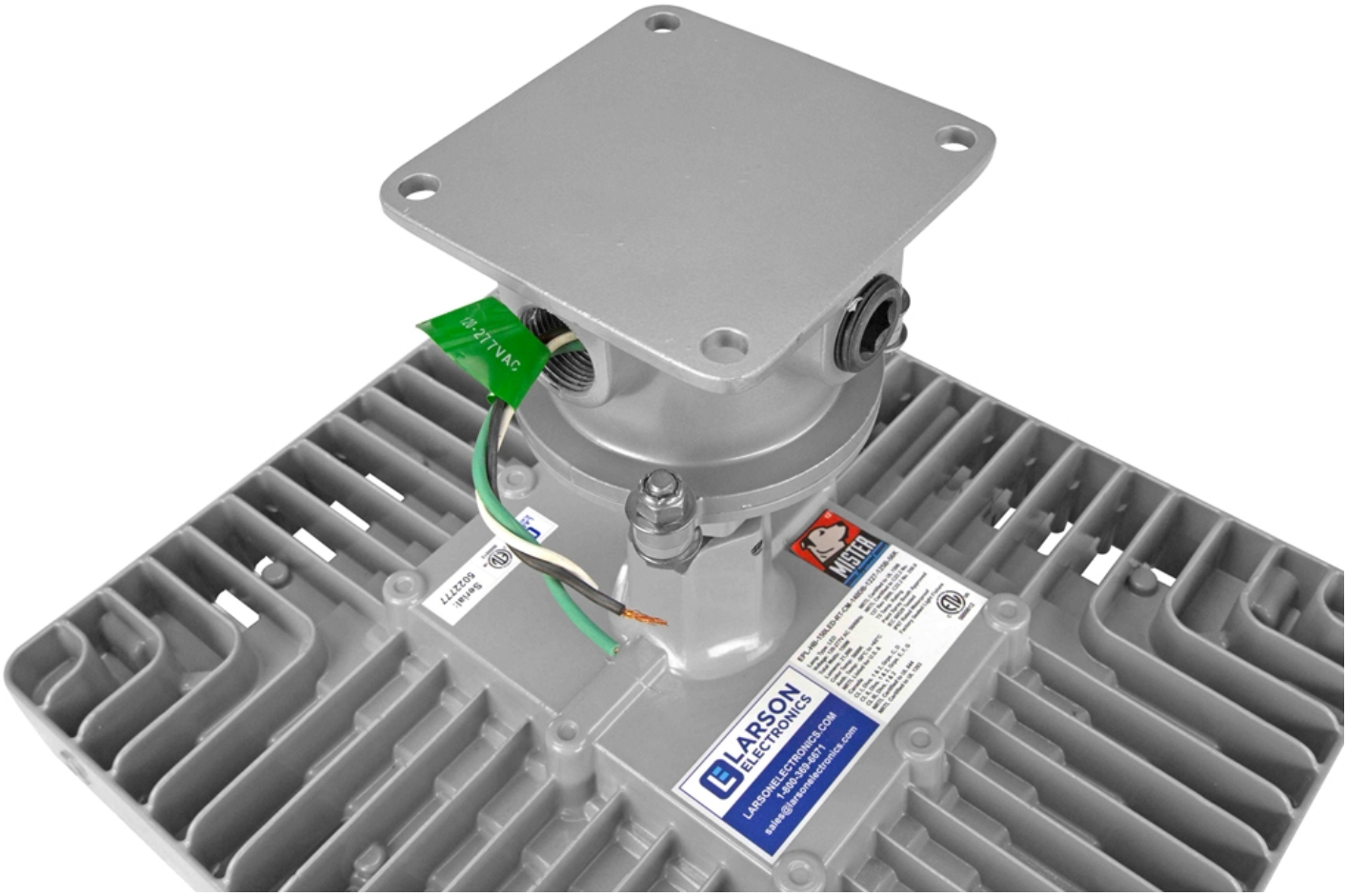
Frequently Asked Questions (FAQ)

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EPL-HB-150LED-RT-CM-DIMM
Product ID: 274569

Warranty: 60 Months.

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

Options:
EPL-HB-150LED-RT-CM-DIMM-Voltage-Beam Angle-Color Temp
Example: EPL-HB-150LED-RT-CM-DIMM-1227-60B-56K

Voltage	
120-277V AC	-1227
11-25V AC/DC	-1224

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)**
- **IES (Photometric File)**
- **Operations Manual**
- **USA NEC Certificate (Commonly referred to as UL Certificate)**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **HigResPic7**
- **HigResPic8**
- **Video1**
- **Video2**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**