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EPL-LED-150W-RT-140DB-MWG

150W Explosion Proof LED Flood Light - SFC - Aluminum Framed Housing & Wire Guard - Spread

Product ID: 105107

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-LED-150W-RT-140DB-MWG Explosion Proof LED Flood Light
Listing: United States - Canada
Lamp Type: Cree LED
Dimensions: 14"H x 16"W 5"D
Weight: 32 lbs
Voltage: 100-277 Volts AC, 50/60Hz or 11-25 Volts AC/DC
Total Watts: 150W
Total Lumen: 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
Operating Temp Rating: T5
Housing Material: Copper Free Cast Aluminum Framed Housing
Lens Material: Hardened Borosilicate Glass
Gasket Material: Silicone
Mounting: Adjustable Flat Surface Mount U-Bracket
Wiring: 10` 16/3 SOOW w/ Flying Leads
Wiring Hub: 3/4" NPT

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
Copper Free Aluminum Wire Guard

Special Orders - Special Requirements
Contact us for special requirements

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The Larson Electronics EPL-LED-150W-RT-140DB-MWG Explosion Proof LED Flood 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 fixtures.
This Class 1 Division 1 & 2, Class 2 Division 1 & 2 explosion proof LED flood light fixture provides 21,000 of high quality light while drawing only 150 watts. This LED light fixture features a copper free aluminum alloy framed housing which makes this fixture impact and vibration resistant while adding durability and protection against potential hazards in its surrounding environment. Also featured with this LED light fixture is a copper free aluminum alloy wire guard located at the front of the fixture helps to protect the hardened glass lens from accidental bumps from machinery and other work equipment. 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

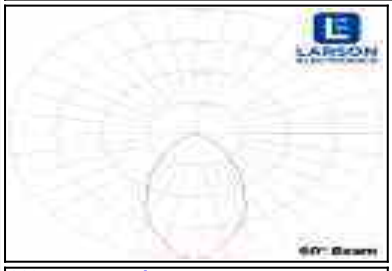
and a low profile make this unit an attractive alternative to larger and heavier older fixtures and requires less hardware to install.

Click Photo to Enlarge

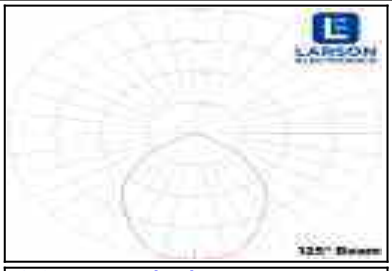
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The explosion proof LED light fixture features multiple LED drivers which helps to increase the operational life of the fixture. With traditional LED lights, in the event an LED array or driver fails, the entire fixture no longer illuminates. This 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.
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.

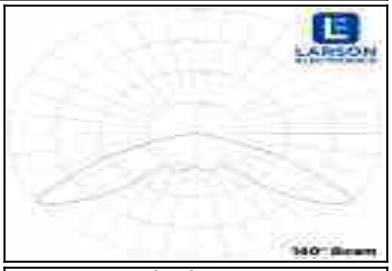
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60° Beam Angle



125° Beam Angle Plug



140° Beam Angle Plug

Beam Angles: When used as a fixed mount fixture, the varying beam angles need to be mounted at certain heights in order to achieve the greatest coverage and efficiency in both high bay and low bay lighting situations. The 60° beam should be mounted in high bay fixtures over 25` in height and 25` away from objects if used as a wall mounted light. The 125° beam is ideal for low bay fixtures in a height range of 15-25 feet and the same distance away from objects when the wall mounting option is employed. The 140° beam is best used as a low bay fixture in areas with a ceiling height of 15` or less or for illuminating objects up to 15` away when wall mounted.
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.
This LED light produces 21,000 lumen 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-LED-150W-RT-140DB-MWG offers an adjustable mounting system that this fixture to be mounted to any flat surface including walls and ceilings.

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High Quality Features

1. Low power consumption.
2. Instant on/off operation.
3. Fixture constructed of extruded corrosion resistant copper free aluminum alloy.
4. Superior color rendering compared to HPS, LPS, MH.
5. Retains 80% lumen output after 60,000 operating hours.
6. Powder coated aluminum fixture body.
7. Pendant and Swivel Bracket mount included
8. Low profile - Light weight
9. 21,000 Lumen output from only 150 watts
10. Copper free aluminum wire guard
11. Housing framed with a copper free aluminum guard

Superior LED Benefits

1. 60,000 hour lifespan.
2. Can SAVE 50% or more on energy.
3. Qualifies retrofit projects for financial incentives, including utility rebates, tax credits and energy loan programs.
4. Reduces energy use and prolongs life-spans of peripheral cooling units (A/C, refrigeration)
5. 100% recyclable.
6. No toxins-lead, mercury.
7. No UV light, infrared radiation or CO2 emissions.
8. Qualifies buildings for LED and other sustainable business certifications.
9. Bright, even light maintains consistent color over time.
10. Instant on/off – No flickering, delays or buzzing.
11. Very good color rendering.
12. Vibration/impact resistant.
13. Significantly cooler operation.
14. Less frequent outages, higher output improves workplace safety.

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Frequently Asked Questions (FAQ)

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EPL-LED-150W-RT-140DB-MWG
Product ID: 105107

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

Options:
EPL-LED-150W-RT-140DB-MWG-Voltage-Beam Angle-Color Temp
Example: EPL-LED-150W-RT-140DB-MWG-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)**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**