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EPL-DL-150RT-LED-48

150 Watt Explosion Proof LED Dock Light - 4 Foot Pivoting Arm - 21,000 Lumens - 120-277V AC

Product ID: 73110

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-DL-150RT-LED-48 Wet Location LED Dock Light

Listing: United States & Canada
Lamp Type: LED
Lamp Dimensions: 16"-L x 14"=H x 5"-D
Arm Dimensions: 48"-L
Total Watts: 150W
LED Lamp Lumens: 21,000
LED Lamp Life Expectancy: 60,000 Hours
Color Temp: 5600K, 5000K, 4500K, 4000K, 3500K, 3000K, 2700K, or 6500K
Color Rendering Index: >75 CRI
Beam Type: Wide Flood
Operating Temp Range: -50°C to +65°C
Voltage: 100-277 VAC, 50/60Hz or 11-25 Volts AC/DC
Wiring: 20` 16/3 SOOW Cable w/ Blunt Cut End
Mounting: 4-Hole Flat Surface Mounting Bracket
Materials: Aluminum Arm & Body, Glass Lens
Weight: 60lbs

Features

Class 1 Division 1 & 2, Groups C and D
Class 2, Divisions 1 & 2, Groups E,F,G
Class 3, Divisions 1 & 2
T5 Temperature Rating
Certified to UL844 and C22.2 No. 137
LEL Approved
Paint Spray Booth Approved
IP67 Rated Waterproof
Multiple LED Driver Banks
80% Lumen Retention @ 60,000 Hours

Special Orders - Special Requirements

Contact us for special requirements

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Made in the USA

The Larson Electronics EPL-DL-150RT-LED-48 explosion proof LED dock

light provides operators with a powerful and energy efficient alternative to traditional gas burning and filament style luminaries. LED technology and the swing arm design makes this fixture an excellent replacement upgrade option for less durable and efficient halogen or HID Class 1 Division 1 loading bay and dock lights.

This explosion proof LED dock light provides 21,000 lumens of high quality light while drawing only 150 watts. The copper free aluminum alloy body of the LED light head 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. This LED dock light is approved for Class 1, Divisions 1 & 2, Groups C & D and Class 2, Divisions 1 & 2, Groups E, F & G environments, UL 844 and CSA 22.2 No. 137 rated, IP67 tested under IEC60529, paint spray booth listed, and is LEL approved.

A four foot swing arm constructed of light weight aluminum provides adjustable mounting for this 150 Watt LED fixture and allows users to position the light as needed during operations. The articulating arm swings horizontally 180° while the light head vertically rotates 270°, allowing for precise aiming during operation. The pivoting design of the swing arm and 4-hole flat service mounting bracket allow this LED dock light to be conveniently mounted to interior and exterior walls, posts, and structures. Combined with an IP67 construction, this LED dock light is ideal for loading bays, shipping and receiving, inspection, and any location needing a high output LED light fixture with swing arm adjustability.



Click Photo to Enlarge



Click Photo to Enlarge

The explosion proof LED light head in this unit 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.

The LED lamp produces 21,000 lumens with a color temperature of 5600K and a color rendering index of 75, which produces colors and details much more accurately than high pressure sodium or mercury vapor lamps. The copper free aluminum alloy lamp body is powder coated for added durability and resistance to corrosions. 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. Included with this LED swing arm light is 20` of 16/3 SOOW cable with a blunt cut end.
The EPL-DL-150RT-LED-48 is universal voltage (not multi-tap) and operates on a range from 100-277 volts 50/60 Hz AC, or low voltage 11-25 volts AC/DC. This lamp is T5 temperature rated and the LED light head retains 80% of its lumen output after 60,000 hours of use, far longer than incandescent or fluorescent lamps. This LED dock light is IP67 rated, dust-proof, and protected against high pressure jets and temporary submersion.

High Quality Features

1. Approved Class 1, Div 1&2, Class 2, Div 1&2
2. Low power consumption.
3. Instant on/off operation.
4. Led lamp head requires no lamping.
5. Fixture & swing arm constructed of corrosion resistant copper free aluminum alloy.
6. Superior color rendering compared to HPS, LPS, MV.
7. Retains 80% lumen output after 60,000 operating hours.
8. Extreme long life LEDs reduce maintenance and replacement costs.
9. Powder coated aluminum fixture body.
10. 4 foot non-sparking aluminum swing arm mount w/ adjustable C1D1 LED light head
11. Extreme long life LEDs reduce maintenance and replacement costs.
12. 21,000 Lumen output from only 150 watts
13. 5600K Color Temperature and Color Rendering Index of 75
14. Mercury free shock proof LED lamp light head.

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 LEED 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-DL-150RT-LED-48
Product ID: 73110

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

Options:
EPL-DL-150RT-LED-48-Voltage-Beam Angle-Color Temp
Example: EPL-DL-150RT-LED-48-1227-60B-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

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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**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**