

EPL-AMB-70LED-50-GFFI-CPP516

Explosion Proof 70 Watt LED Light Fixture - Curved Magnetic Mounting Surfaces -Inline GFCI w/ CPP516

Product ID: 106113

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-AMB-70LED-50-GFFI-CPP516 Low Profile Light

Listing: Explosion Proof
Lamp Type: LED
Dimensions: 11.70" Length x 5.8" Width x 11" Height
Weight: 45 lbs
Voltage: 100-277 VAC, 50/60Hz
Total Watts: 70W
Total Lumens: 6,000
Luminous Efficacy: 85.71 lm/w
Lamp Life: 100,000+ Hours
Color Temp: 5000K
Color Rendering Index: >70
Beam Spread: 180° or 360°
Lighting Configuration: Flood Pattern
Ambient Operating Temp Range: -40°C to +45°C
Operating Temp Rating: T5
Mounting: (8) 100lb Magnetic Base w/ Adjustable U-Brackets
Wiring: 50' 16/3 SOOW, GFCI, 6' 16/3 SOOW, Cord Cap
Cord Cap: 2P3W CPP516

Ratings

T5 Temperature Rating
Class I Division 1&2 Groups B, C, D
Class II Division 1&2 Groups E,F,G
UL 844
UL-1598/A
IP66
NEMA 4X
C1D1 Inline Ground Fault Circuit Interrupter
C1D1 Pin and Sleeve Cord Cap

Special Orders - Special Requirements

Contact us for special requirements

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The Larson Electronics EPL-AMB-70LED-50-GFFI-CPP516 Low Profile Adjustable Magnetic Mount LED light fixture provides operators with a

powerful and energy efficient alternative to traditional hazardous location tank cleaning light. The adjustable magnetic mount allows operators to install this fixture on curved surfaces without worrying about it falling off. This C1D1 LED tank cleaning light features an inline ground fault circuit interrupter and a pin-and-sleeve cord cap. The LED technology and adjustable compact mount design makes this low profile LED fixture an excellent replacement upgrade option for bulky and high maintenance cost older fixtures.

The EPL-AMB-70LED-50-GFFI-CPP516 magnetic mount explosion proof light fixture provides 6,000 lumens of high quality light while drawing only 70 watts. The magnetic mount on this fixture makes it versatile and easily mounted on flat or curved surfaces. This explosion proof LED fixture produces a brilliant flood pattern in your choice of 360° and 180° beam spread of light that is ideal for illuminating enclosed areas and hazardous locations where flammable vapors, gases and dusts may be present.



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The copper free aluminum alloy body is powder coated for added durability against shock and vibration and an attractive aesthetic appearance. This fixtures special heat dissipating design in conjunction with advanced LED driver technology helps this fixture achieve an excellent 100,000 hour rated lifespan with 70% lumen retention. Included with this LED light fixture is 50' of 16/3 SOOW leading to an inline Class I Division 1 GFCI, and 6' of 16/3 SOOW line-out cable terminated in a pin-and-sleeve CPP516 explosion proof cord cap rated for 250V max.

Magnetic Mounting: The magnetic mounting bracket for this unit includes eight 100 lbs grip magnetic bases which provide a total of 800 lbs of grip and allows operators to mount the unit to walls and flat metallic surfaces. The magnets are arranged in groups of two and attached to the light via adjustable U-brackets, allowing operators to adjust the magnets to match the curvature of tank walls or other curved surfaces. Users simply loosen the U-brackets, attach the magnetic mounting brackets to the desired surface, tighten the magnetic brackets, then adjust the lamp assembly from the bracket. The pictures below show the lamp assembly mounted to a 52" diameter wall. This bracket system is constructed of non-sparking aluminum for light weight and durability, and the simple swing hinge design allows operators to easily adjust the lamp assembly to position the unit as a pedestal lamp if desired.

Note on Beam Spread: The 360° beam spread is the standard directional output and typical for flood lights. The 180° shines in only one direction, which is suitable for down lighting, wall packs and for not blinding oncoming traffic or pedestrians. This light is multi-voltage capable and can be operated with 100-277 VAC, 50/60Hz without any need for a ballast or transformer. The aluminum body and LED lamp assembly gives 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 LED emitters. This high output LED lamp produces 6,000 lumens with a color temperature of 5000K and a color rendering index of 70, which means this lamp render colors and details much more

accurately than high pressure sodium or mercury vapor luminaries.

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, MV.
5. Retains 70% lumen output after 100,000 operating hours.
6. Powder coated aluminum fixture body.
7. 800lb Grip Adjustable Magnetic Mount
8. Low profile - Light weight
9. 6,000 Lumen output from only 70 watts

Superior LED Benefits

1. 100,000 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.



Frequently Asked Questions (FAQ)









EPL-AMB-70LED-50-GFFI-CPP516

Product ID: 106113

Warranty: 36 Months

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

EPL-AMB-70LED-50-GFFI-CPP516-Beam Angle

Example: EPL-AMB-70LED-50-GFFI-CPP516-180

Beam Angle	
180°	-180
360°	-360

Links (Click on the below items to view):

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