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

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

EPL-AMB-150LED-50-140DB

150W Explosion Proof LED Light Fixture -21,000 Lumens - 50' Cord - Adjustable Magnet Base

Product ID: 150778

Please see last page for supporting documentation for this product (certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Image: EPL-AMB-150LED-50-140DB

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-150LED-50-140DB Low Profile Light

U.L. Listing: Explosion Proof
Lamp Type: LED
Dimensions: 14"H x 16"W x 5"D
Weight: 47 lbs
Voltage: 120-277V AC, 50/60Hz or 11-25V AC/DC
Total Watts: 150W
Total Lumens: 21,000
Luminous Efficacy: 140 Lm/W
Lamp Life: 60,000+ Hours
Color Temp: 5600K, 5000K, 4500K, 4000K, 3500K, 3000K, 2700K, or 6500K
Color Rendering Index: >75
Beam Angle: 60°, 125°, or 140°
Lighting Configuration: Flood Pattern
Ambient Operating Temp Range: -40°C to +45°C
Operating Temp Rating: T5
Mounting: (8) 200lb Magnetic Base w/ Adjustable U-Brackets
Wiring: 50` 16/3 SOOW w/ Explosion Proof Cord Cap
Cord Cap: 5-15P, 5-20P or 6-20P

Ratings

T5 Temperature Rating
Class I Divisions 1 & 2 Groups B, C and D
Class II Divisions 1 & 2 Groups E, F and G
UL 844
UL-1598/A
IP66
NEMA 4X

Special Orders - Special Requirements

Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
Fax: 1-903-765-7664
E-mail: sales@larsonelectronics.com

The EPL-AMB-150LED-50-140DB from Larson Electronics is a Low Profile Adjustable Magnetic Mount LED Light Fixture that 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. 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-150LED-50-140DB magnetic mount explosion proof light fixture provides 21,000 lumens of high quality light while drawing only 150 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 beam spread of light that is ideal for illuminating enclosed areas and hazardous locations where flammable vapors, gases and dusts may be present.



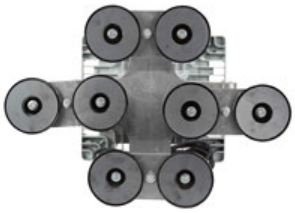
Click Photo to Enlarge



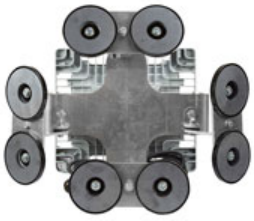
Click Photo to Enlarge



Click Photo to Enlarge







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 60,000+ hour rated lifespan with 70% lumen retention. Included with this LED light fixture is 50` of SOOW cord terminating in an 1523 explosion proof straight blade plug.

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.

LED Drivers: Even in LED fixtures, heat is the single largest factor in premature light failure and color shifting. As a result, many manufacturers reduce the output of their LEDs in order to reduce the amount of heat produced. Rather than lower light output or quality, Larson Electronics addresses this problem with the addition of an electronic LED driver. This internal driver provides the ability to automatically monitor and adjust input current to maintain the correct LED voltage levels regardless of input levels across a specific range. This not only reduces the energy dissipation, effectively lowering the operating temperature of the fixture, but also prevents AC over-voltage and short circuit loading making this fixture virtually maintenance free. Because the electronic driver allows the EPL-AMB-150LED-50-140DB to run at a cooler internal temperature and regulates the electrical current, energy efficiency and LED service hours are maximized while at the same time reducing operating costs and downtime incurred from the frequent servicing intervals required with other hotter running lights.

Magnetic Mounting: The magnetic mounting bracket for this unit includes eight 200 lbs grip magnetic bases which provide a total of 1600 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. 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.

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 is available in both 120-277V AC, 50/60Hz or 11-25V AC/DC 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 21,000 lumens and is available with a color temperature of 5600K, 4500K or 3000K and has a color rendering index of 75, which means this lamp render colors and details much more accurately than high pressure sodium or mercury vapor luminaries.

Click Photos to Enlarge



5-15 Straight Blade Plug



5-20 Straight Blade Plug



6-20 Straight Blade Plug

Wiring & Plug: This magnetic mount LED light is equipped with 50 feet of 16/3 chemical and abrasion resistant SOOW cord that is fitted with an explosion proof cord cap for easy connection to explosion proof outlets. Plug options include a 5-15 15 amp straight blade plug for use with 120V explosion proof outlets, a 5-20 20 amp straight blade plug for use with 120V explosion proof outlets, or a 6-20 20 amp straight blade plug for use with 220-240V explosion proof outlets. ***PLEASE NOTE** voltage ratings on plugs and outlets are MAXIMUM voltage. For low voltage applications, proper voltage must be applied to the outlet or damage to the light fixture will occur.*

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.

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

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

Frequently Asked Questions (FAQ)

There are no Faqs



Image: EPL-AMB-150LED-50-140DB



Image: EPL-AMB-150LED-50-140DB

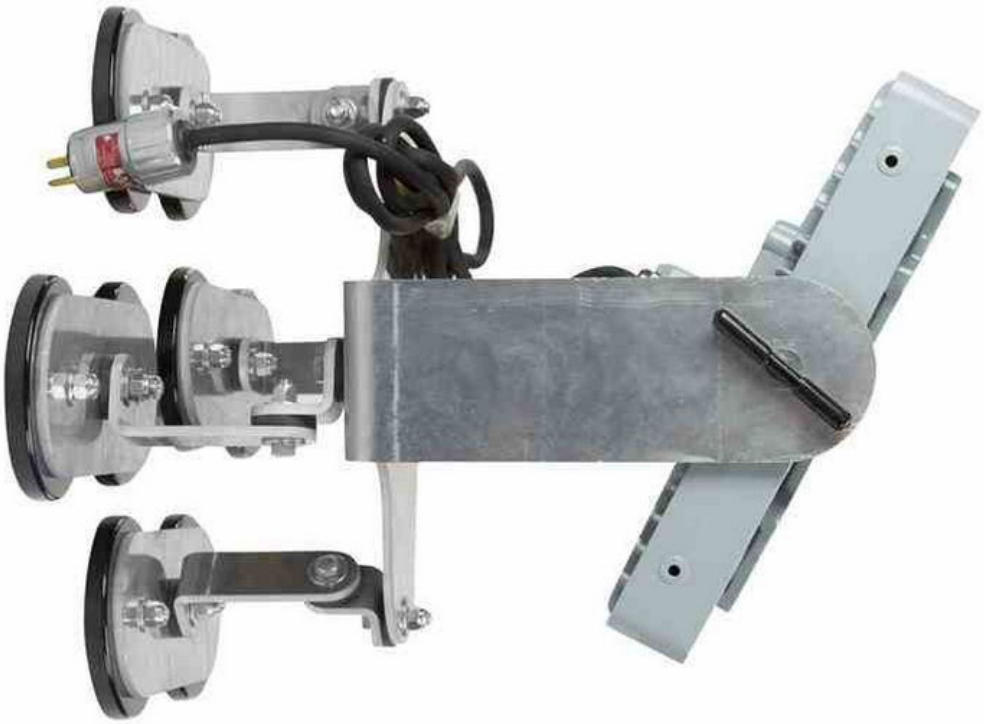


Image: EPL-AMB-150LED-50-140DB

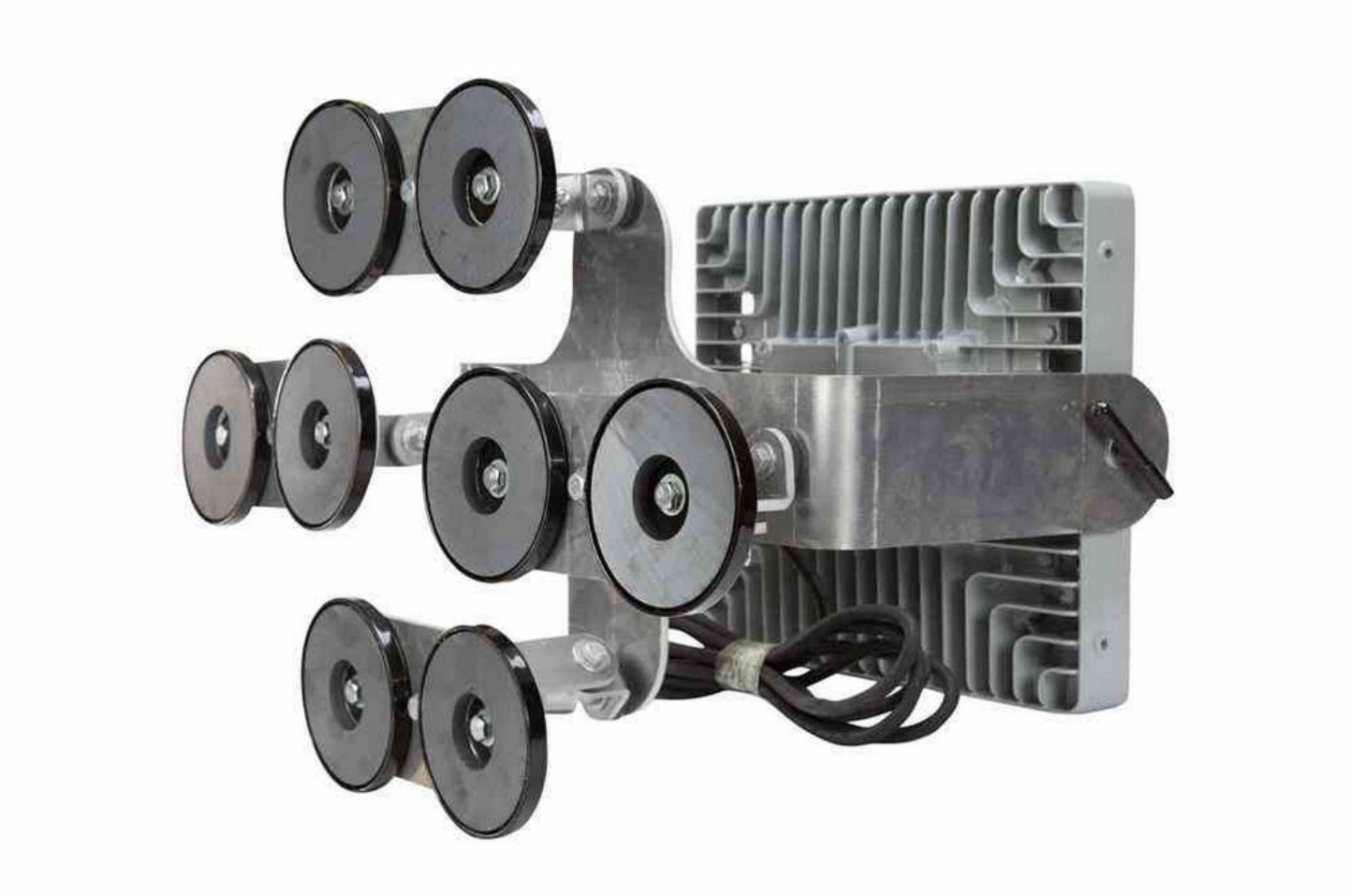


Image: EPL-AMB-150LED-50-140DB

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

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

EPL-AMB-150LED-50-140DB

Product ID: 150778

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

Options:

EPL-AMB-150LED-50-140DB-Cord Cap-Voltage
Example: EPL-AMB-150LED-50-140DB-1523-1227

Cord Cap	
5-15 STRAIGHT	-1523
5-20 STRAIGHT	-2023-125V
6-20 STRAIGHT	-2023-250V

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

Links (Click on the below items to view):

- **Operations Manual**(https://www.larsonelectronics.com/images/product/Manual/150778.PDF)
- **Wiring Diagram**(https://www.larsonelectronics.com/images/product/WiringDiagram/150778.PDF)
- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/150778.JPG)
- **HigResPic2**(https://www.larsonelectronics.com/images/product/HigResPic2/150778.JPG)
- **HigResPic3**(https://www.larsonelectronics.com/images/product/HigResPic3/150778.JPG)
- **HigResPic4**(https://www.larsonelectronics.com/images/product/HigResPic4/150778.JPG)
- **HigResPic5**(https://www.larsonelectronics.com/images/product/HigResPic5/150778.JPG)
- **HigResPic6**(https://www.larsonelectronics.com/images/product/HigResPic6/150778.JPG)
- **HigResPic7**(https://www.larsonelectronics.com/images/product/HigResPic7/150778.JPG)
- **HigResPic8**(https://www.larsonelectronics.com/images/product/HigResPic8/150778.JPG)
- **HigResPic9**(https://www.larsonelectronics.com/images/product/HigResPic9/150778.JPG)
- **HigResPic10**(https://www.larsonelectronics.com/images/product/HigResPic10/150778.JPG)
- **ISO 9001 Certification**(http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
- **Business Certificate**(https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
- **Shipping Time Map**(https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf)