

EPL-SBDL-150RT-24

150 Watt Explosion Proof LED Switch Blade Dock Light - 2 Foot Pivoting Aluminum Arm - 17,500 Lumens

Product ID: 105110

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-SBDL-150RT-24-140DB Explosion Proof LED Dock Light

Listing: United States - Canada

Lamp Type: Cree LED

Lamp Dimensions: 14"H x 16"W x 5"D

Arm Dimensions: 24" - Adjustable - Two Pivot Points

Weight: 50 lbs

Voltage: 100-277 Volts AC, 50/60Hz or 11-25 Volts AC/DC

Total Watts: 150W

Lumens: 17,500

Luminous Efficacy: 116.67 Lm/W

Lamp Life: 60,000+ Hours

Color Temp: 5000K, 4000K or 3000K

Color Rendering Index: >75 CRI

Beam Angle: 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

Mounting: Adjustable Swing Arm w/ Surface Mount Bracket

Termination: 10' SOOW cord w/ Flying Leads

Wiring Hub: 3/4" NPT

Approvals/Ratings

Listed for United States and Canada

Class I, Divisions 1 & 2, Groups C and D

Class II, Divisions 1 & 2, Groups E, F and 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

Special Orders - Special Requirements

Contact us for special requirements

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Made in the USA

The EPL-SBDL-150RT-24-140DB from Larson Electronics is an Explosion Proof Switch Blade Pivoting Dock Light that provides operators with a powerful and energy efficient alternative to traditional hazardous location luminaires. Cree LED technology and the double pivot point swing arm design makes this lamp an excellent replacement upgrade option for less durable and efficient halogen or HID loading bay and dock lights.

This Class I Divisions 1 & 2, Class II Divisions 1 & 2 explosion proof dock light provides 17,500 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 50,000 hour rated lifespan with 80% lumen retention.

The high output LED light head is mounted to an adjustable two-part swing arm constructed of light weight aluminum. The two piece arm design provides two pivot points, one at the mounting bracket and one in the center of the swing arm. The aluminum swing arm swings 170 ° from the mounting bracket point and 340° from the center pivot point, while the light head is vertically adjustable up to 270°, providing full adjustability for this 150 watt explosion proof LED fixture and allows users to position the light as needed during operations. This switch blade swing arm can be mounted with the light head oriented on the top side or bottom side of the arm, allowing operators to illuminate objects in any location. This swing arm is ideal also for mounting the unit to loading door areas and docks for use as a loading bay or dock light.



[Click Photo to Enlarge](#)



[Click Photo to Enlarge](#)



[Click Photo to Enlarge](#)

The integrated LED assembly in this explosion proof dock light 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 Cree 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.

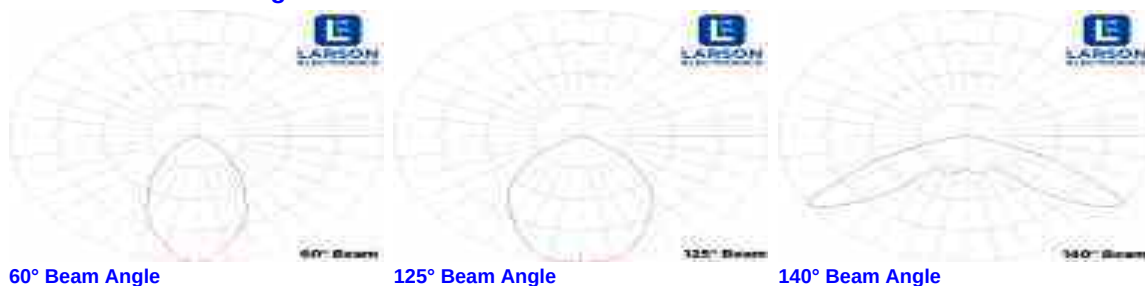
LED Benefits: Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation and/or transportation. Instead of heating a small filament or using a combination of gases to produce light, light emitting diodes (LEDs) use semi-conductive 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.

Voltage/Wiring: This dock light is universal voltage capable and can be operated with 100-277V AC, 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. The EPL-SBDL-150RT-24-140DB includes 10' of SOOW cord that is terminated in flying leads.

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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.

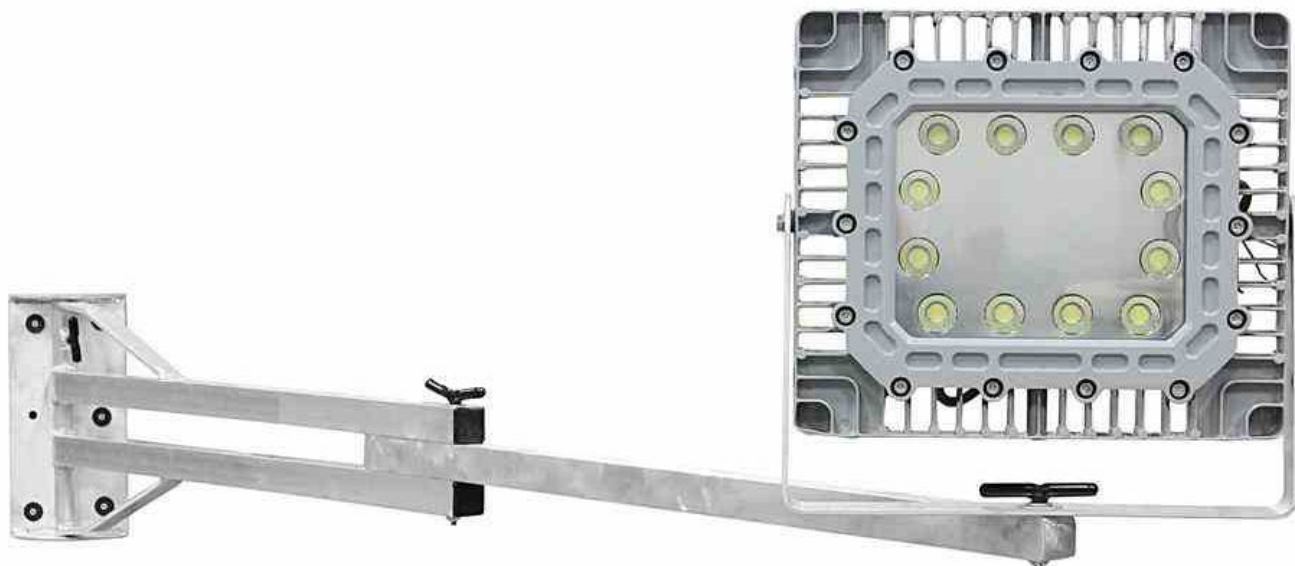
This LED light produces 17,500 lumens with a color temperature of 5000K and a color rendering index of 75 which produces colors and details much more accurately than high pressure sodium or mercury vapor luminaries. We also offer a 3000K warm white and 4000K natural white color temperature options (longer lead times may apply for non-standard temperatures).

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.

Frequently Asked Questions (FAQ)









EPL-SBDL-150RT-24

Product ID: 105110

Warranty: 60 Months

Export Control Classification Number (ECCN): EAR99

Options:

EPL-SBDL-150RT-24-Voltage-Beam Angle-Color Temp

Example: EPL-SBDL-150RT-24-1227-60B-56K

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

Beam Angle	
60°	-60B
125°	-125B

Color Temp	
5600K	-56K
4500K	-45K
3000K	-30K

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](#)
- [Dimensional Drawing 2D](#)
- [IES \(Photometric File\)](#)
- [MSDS \(Material Safety Data Sheet\)](#)
- [RoHS Certificate \(Restriction of Hazardous Substances\)](#)
- [STEP File \(3D CAD Model\)](#)
- [USA NEC Certificate \(Commonly referred to as UL Certificate\)](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
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