Larson Electronics LLC
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EPL-SBDL-V2-100RT-72-V2

100 Watt Explosion Proof C1D1 LED Switch Blade Dock Light - 6' Pivoting Aluminum Arm - 10,000 Lumens

Product ID: 244128

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



Image: EPL-SBDL-V2-100RT-72-V2

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-V2-100RT-72-V2 Explosion Proof LED Dock Light

Lamp Type: Cree LED
Lamp Dimensions: 14"-H x 16"-W x 5"-D
Arm Dimensions: 6` - Adjustable - Two pivot points
Weight: 50lbs
Voltage: Multi- 100-277 VAC, 50/60Hz
Total Watts: 100W
Total Lumens: 10,000
Luminous Efficacy: 100 Lm/W
Lighting Configuration: Flood Pattern
Lamp Life: 50,000+ Hours
Color Temp: 5000K, 4000K, 3000K
Color Rendering Index: >75 CRI
Temp Rating: T5 -40C to +65C
Mounting: Adjustable Swing Arm w/ Surface Mount Bracket
Termination: 10` SOOW cord w/ flying leads

Ratings/Approvals

T5 Temperature Rating
Class I Division 1&2 Groups C and D
Class II Division 1&2 Groups E,F,G
Class III Division 1&2
Certified to UL844 and C22.2 No. 137
Paint Spray Booth Approved
LEL Approved
Multiple Driver Banks
80% Lumen Retention @ 50,000 Hours

Special Orders - Special Requirements

Contact us for special requirements
Toll Free: 1-800-369-6671
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Made in the USA

The Larson Electronics EPL-SBDL-V2-100RT-72-V2 explosion proof switch blade pivoting dock light provides operators with a powerful and energy efficient alternative to traditional hazardous location luminares. 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 1 Division 1 & 2, Class 2 Division 1 & 2 explosion proof dock light provides 10,000 lumens of high quality light while drawing only 100 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 the side of 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 100 Watt explosion proof LED fixture and allows users to position the light as needed during operations. By mounting the light on the side of the arm the light can be vertically adjusted, while the arm is horizontally adjusted, allowing operators to shine the light into containers. 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 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.

This dock 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 10,000 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). This unit offers several mounting options including ceiling mounting, pendant mounting, wall mounting and cable mounting. The standard version of this explosion proof LED fixture includes a pendant mount and a surface mount option.

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 80% lumen output after 60,000 operating hours.
6. Powder coated aluminum fixture body.
7. Adjustable aluminum swing arm
8. Low profile - Light weight
9. 10,000 Lumen output from only 100 watts

Superior LED Benefits

1. 50,000 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)

There are no Faqs

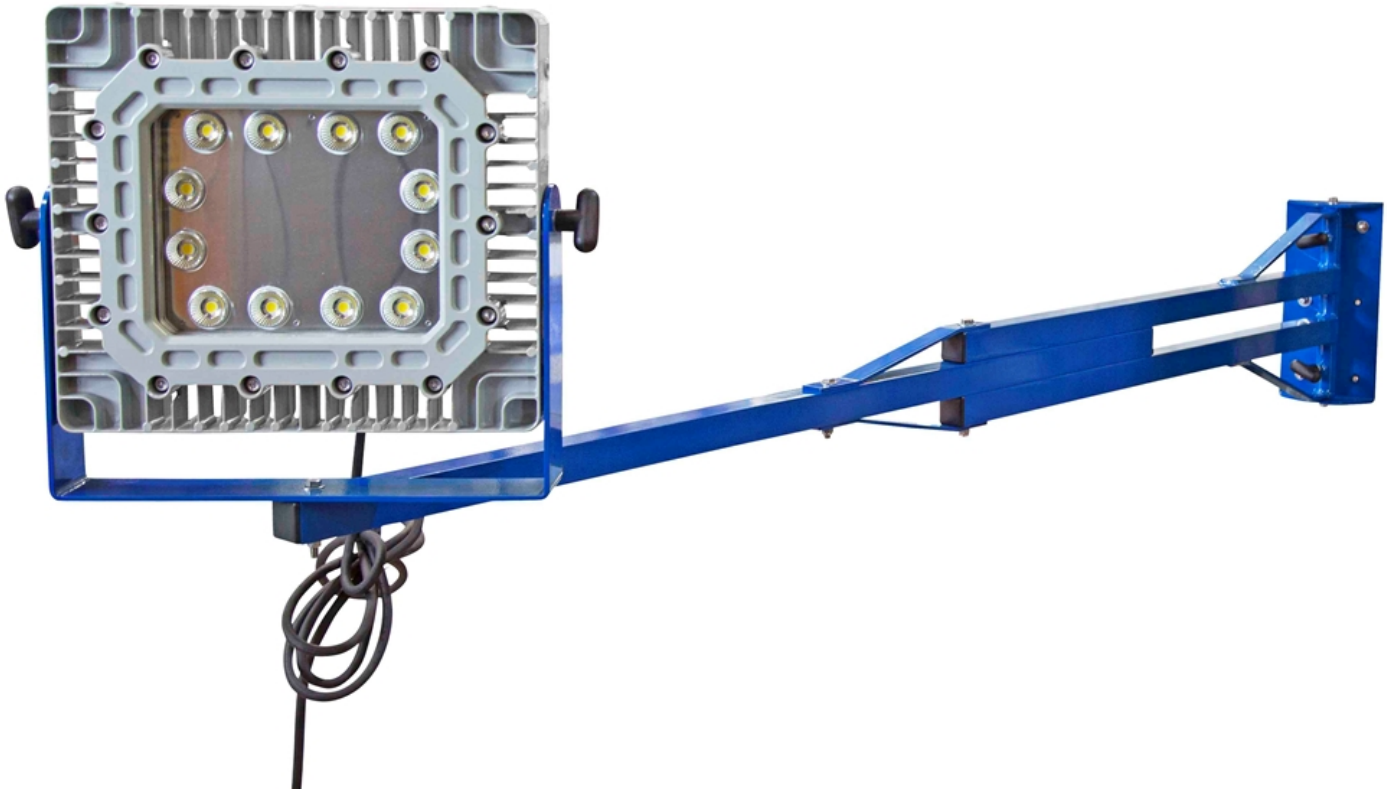


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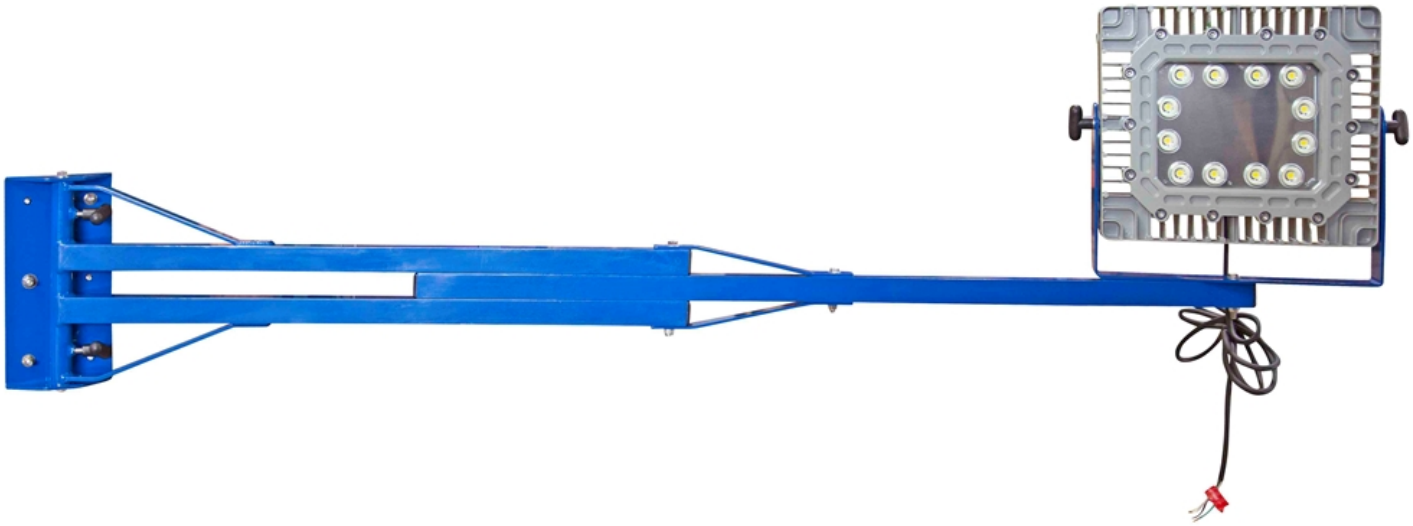


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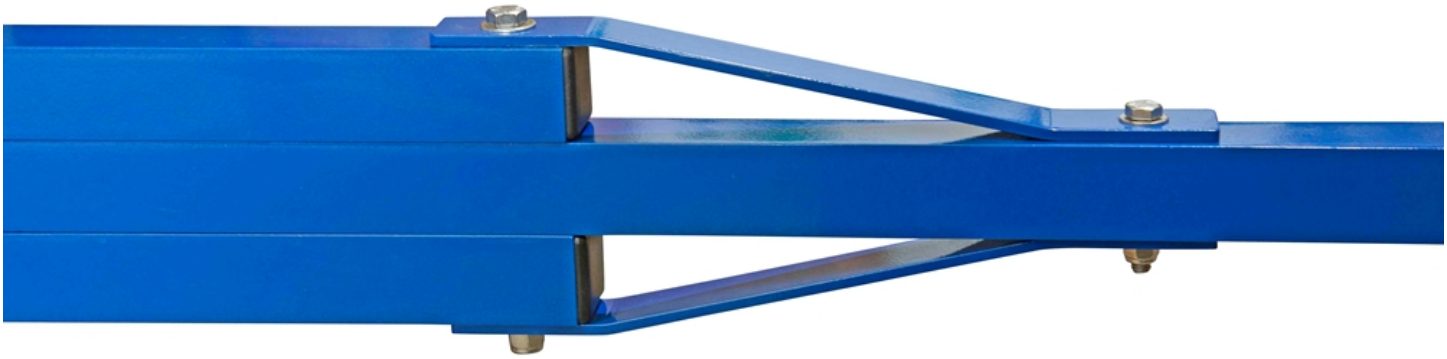


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EPL-SBDL-V2-100RT-72-V2

Product ID: 244128

Warranty: 60 Months.

Export Control Classification Number (ECCN): EAR99

Options:

EPL-SBDL-V2-100RT-72-V2-Beam Angle-Color Temp
Example: EPL-SBDL-V2-100RT-72-V2-60B-56K

Beam Angle	
60°	-60B
125°	-125B

Color Temp	
5600K	-56K
4500K	-45K
3000K	-30K
6500K	-65K

Links (Click on the below items to view):

- **Operations Manual**(https://www.larsonelectronics.com/images/product/Manual/244128.PDF)
- **Wiring Diagram**(https://www.larsonelectronics.com/images/product/WiringDiagram/244128.PDF)
- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/244128.JPG)
- **HigResPic2**(https://www.larsonelectronics.com/images/product/HigResPic2/244128.JPG)
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- **HigResPic4**(https://www.larsonelectronics.com/images/product/HigResPic4/244128.JPG)
- **HigResPic5**(https://www.larsonelectronics.com/images/product/HigResPic5/244128.JPG)
- **HigResPic6**(https://www.larsonelectronics.com/images/product/HigResPic6/244128.JPG)
- **Video1**(https://www.youtube.com/watch?v=ofKsbVUVIaY)
- **Video2**(https://www.youtube.com/watch?v=Of9dbQV1HAI)
- **ISO 9001 Certification**(http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
- **Business Certificate**(https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
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