

**150W Marine & Outdoor LED Flood Light - Adjustable Beam Clamp - 17,500 Lumens - 20' SOOW Cord**Part #: [EPL-LED-150W-RT-20-HDBC](#)

The Larson Electronics EPL-LED-150W-RT-20-HDBC Outdoor Rated LED Flood Light fixture with heavy duty bar clamp mount provides operators with a powerful and energy efficient alternative to traditional marine and wet location luminaries. Cree LED technology and compact design makes this lamp an excellent replacement upgrade option for bulky and high maintenance cost older fixtures. The versatile bar clamp mount allows for mounting to round and square poles, I-beams, and desks. This unit comes with a 20' 16/3 SOOW cord for completing power connections.

The EPL-LED-150W-RT-20-HDBC provides 17,500 lumens of high quality light while drawing only 150 watts. The aluminum alloy body 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. Lightweight and a low profile make this unit an attractive alternative to larger and heavier older fixtures and requires less hardware to install.

The outdoor rated 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 waterproof 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 17,500 lumens with a color temperature of 5000K, 4000K or 3000K and a color rendering index of 75 which produces colors and details much more accurately than high pressure sodium or mercury vapor luminaries. The mounting system for this adjustable flood light consists of a heavy duty bracket mount that allows for clamping around 4.5" by 4.5" objects. Two T-handles allow the operator to tighten each adjustment screw to clamp the mount to the beam, pipe, or other mounting surface. Once the fixture has been securely mounted, the light head can be adjusted vertically or horizontally.

**Voltage:** The drivers in this unit provide the ability to automatically monitor and adjust input current to maintain the correct LED voltage levels regardless of input levels across a specific range. These lights can operate on current ranging from 100 to 277V AC without any modifications necessary as a result. This ability to sense and adjust input current also provides protection against voltage spikes and drops that can occur in electrical systems which would otherwise result in burning up or premature LED failure without it.

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**5-15 Straight Blade Plug**



**5-20 Straight Blade Plug**



**6-20 Straight Blade Plug**

**Wiring & Plug:** This explosion proof LED lamp is equipped with 20 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.

**Mounting:** A custom designed I-beam mounting bracket allows for easy attachment of the fixture to any I-beams (up to 7.5") commonly found in construction sites and civil engineering projects. The component's ability to resist bending ensures stable lighting performance in rough environments. During installation, the mounting bracket slides over the beam's horizontal flanges. After securing the preferred position on the I-beam, the operator can then tighten the fixture to the beam using the two adjustable handles. It is important to tighten both handles evenly and securely to prevent shaking or uneven positioning. Operators may reposition the light on the beam by loosening the handles, moving the unit to

the desired location and tightening the handles.

**Applications:** Hazardous locations, chemical processing plants, manufacturing facilities, food processing, woodshops, warehouses, repair sites, construction and more.

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.

### Specifications / Additional Information

#### EPL-LED-150W-RT-20-HDBC Explosion Proof LED Flood Light

**Listing:** United States - Canada

**Lamp Type:** Cree LED

**Dimensions:** 20 "H x 16"W 8"D

**Weight:** 40 lbs

**Voltage:** 100-277 Volts AC, 50/60Hz

**Total Watts:** 150W

**Total Lumens:** 17,500

**Luminous Efficiency:** 116.67 Lm/W

**Lamp Life:** 60,000+ Hours

**Color Temp:** 5000K, 4000K, 3000K

**Color Rendering Index:** >75 CRI

**Beam Angle:** 60° or 125°

**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

**Housing Material:** Copper Free Cast Aluminum

**Lens Material:** Hardened Borosilicate Glass

**Gasket Material:** Silicone

**Mounting:** Adjustable Beam Clamp Mount w/ Adjustable Light Head

**Beam Size Accepted:** 4.5." Max

**Wiring:** 20` 16/3 SOOW Cord

**Cord Cap:** 5-15P, 5-20P, 6-20P

#### Ratings/Approvals

Listed for United States and Canada

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

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

Class III, Divisions 1 & 2

IEC 60529 Tested

Certified to UL 1598

Certified to C22.2 No. 137 Rev 2009

Certified to C22.2 No. 250.0

Certified to C22.2 No. 30-M-1986 Rev 2012

Certified to UL 844 Ed. 13

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- Requirements

Contact us for special requirements

**Toll Free:** 1-800-369-6671

**Intl:** 1-214-616-6180

**Fax:** 1-903-498-3364

**E-mail:** sales@larsonelectronics.com

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Part #: EPL-LED-150W-RT-20-HDBC (149047)

Options:

EPL-LED-150W-RT-20-HDBC- **VOLTAGE** - **CORD CAP** - **BEAM SPREAD**

Example: EPL-LED-150W-RT-20-HDBC-1227-1523-60B

VOLTAGE		CORD CAP		BEAM SPREAD	
120-277V AC/DC	-1227	5-15P	-1523	60°	-60B
11-25V AC/DC	-1224	5-20P	-2023.125V	125°	-125B
		6-20P	-2023.250V		



Links (Click on the below items to view):

- [Manual](#)
- [Hi-Res Image 1 - 150 Watt Marine & Outdoor LED Flood Light Beam Clamp](#)
- [Hi-Res Image 2 - 150 Watt Marine & Outdoor LED Flood Light Beam Clamp](#)