

EPL-SMLED-20W-116

Replacement LED Lamp for Larson Electronics EPL-SMLED-20W Explosion Proof Surface Mount LED Light

Product ID: 50834

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



Image: EPL-SMLED-20W-116

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-SMLED-20W-116 LED Light

Lamp Type: Seoul Z-Power LED

Dimensions: 2"W 2"-H 2.5"-Depth

Watts: 10

Led Drive %: 80%

Voltage: 9-48 VDC

Lighting Configuration: 10° Spot or 35° Flood

Mounting: Adjustable U-Bracket

Wiring: Deutsch IPD / LADD DT04-2P connector

Amps: 0.83 (on 12 volts)

Lumens: 900

LED Light Color: 6300K

LED Life Expectancy: 50,000 hours

Optics Efficiency: 90%

Materials: Aluminum Housing, Polycarbonate Lens

Weight: 13 Ounces

Housing Colors: Black or White

EPL-SMLED-20W-116 Features

Seoul Z-Power LED

Low Amp Draw

Small Size

50,000 Hour Service Life

Shock Vibration Resistant

Ambient Op Temp -45C to 85C

Multi-Unit Connectable

UL Certified

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

E-mail: sales@larsonelectronics.com

CE Certified

EN55015 EMI

EN61547 EMS

EN62471 Photobiological Safety

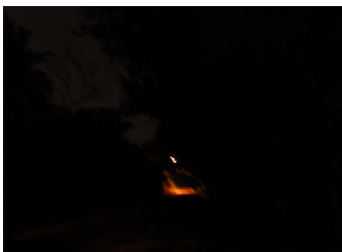
3 year warranty replacement on this LED light. After 30 days, the customer ships the failed LED light and/or LED bulb to Larson Electronics at their expense. If the failure is a manufacturer defect, we will ship a new replacement to the customer. If failure occurs within 30 days of receipt, Larson Electronics will provide a return label via email to the customer. When the failed light is returned, Larson Electronics will ship a new replacement.

Buy American Compliant

Replacement lamp for the Larson Electronics EPL-SMLED-20W. This unit is certified as a low voltage, led luminaires for outdoor use. This ultra compact LED light produces an 900 lumen output with low voltage and amp draw, 50,000 hour service life and 9 to 48 volt compatibility providing operators with a versatile and powerful LED lighting solution.

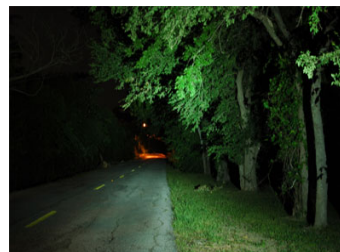
The EPL-SMLED-20W-116 LED light emitter from Larson Electronics produces 900 lumens of bright light while drawing only 10 watts @0.83 amps from a 12 volt electrical system. A single Seoul Z-Power 10 watt LED producing 900 lumens is combined with high purity optics to produce a 10 degree spread spot beam approximately 225' long by 25' in width. We also offer floodlight versions with a 35 degree beam spread to produce a beam 65 feet long by 45 feet wide. This particular unit is ultra compact at only 2 inches wide by 2 inches tall, by 2.5 inches deep.

The EPL-SMLED-20W-116 LED lights are waterproof to 3 meters, sealed against intrusion by dust and dirt and very ruggedly constructed to withstand the most demanding environments, conditions and applications. A small profile, low power requirements, high durability and versatile mounting makes these LED lights ideal for marine use as well as a wide array of applications including but not limited to: military, industrial manufacturing, machine visioning, security and law enforcement, boating, and commercial structure illumination.



This photo shows a road with a street lamp approximately 425' away

[Click Photo to Enlarge](#)



This picture shows the EPL-SMLED-20W-116 in spot mode on the same road

[Click Photo to Enlarge](#)

Heat Management: Heat is the single largest factor in premature LED failure and color shifting. As a result, many manufacturers reduce the output of their LEDs to reduce the amount of heat produced. These LED light bars utilize an extruded aluminum housing that incorporates an advanced heat radiating design which dissipates heat efficiently to produce the maximum amount of power and longevity from the integrated Seoul Z-Power Emitters. The end result is more light and longer LED life with higher average lumen maintenance after 50,000 hours.

Voltage Control: These units are able to adjust input current to maintain the correct LED voltage levels regardless of input levels across a specific range. These LED10W series LED lights can operate on current ranging from 9 to 50VDC without any modifications necessary as a result. This multi-voltage capability makes these units ideal for mobile and standalone applications such as those found on commercial boats, heavy equipment and vehicles where power systems don't always operate with 12 volts and external generators, transformers or inverters are impractical.

Durability: The EPL-SMLED-20W-116 is IP68 rated construction that is designed to withstand extremes of environmental and operating conditions. These units can withstand frigid temperatures, are waterproof to three meters and resist ingress of dust, dirt and humidity. The housings are formed from extruded aluminum, the mounting hardware is stainless steel and the lenses are unbreakable polycarbonate. The Seoul Z-Power LEDs offer resistance to shocks and vibrations and are rated at 70% lumen maintenance after 50,000 hours of use.

**EPL-SMLED-20W-116 35° Flood Beam
(Opt)**



**EPL-SMLED-20W-116 10° Wide Spot
Beam
(Std)**



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Frequently Asked Questions (FAQ)

There are no Fags



Image: EPL-SMLED-20W-116



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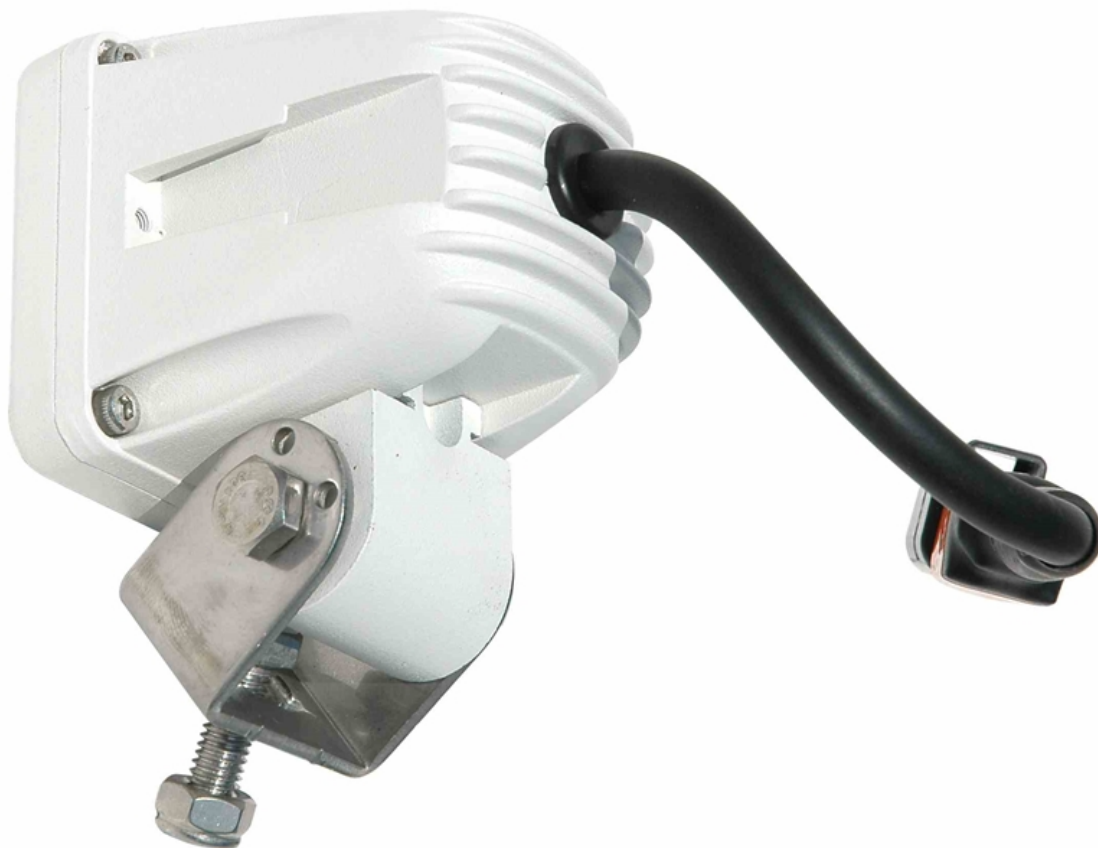


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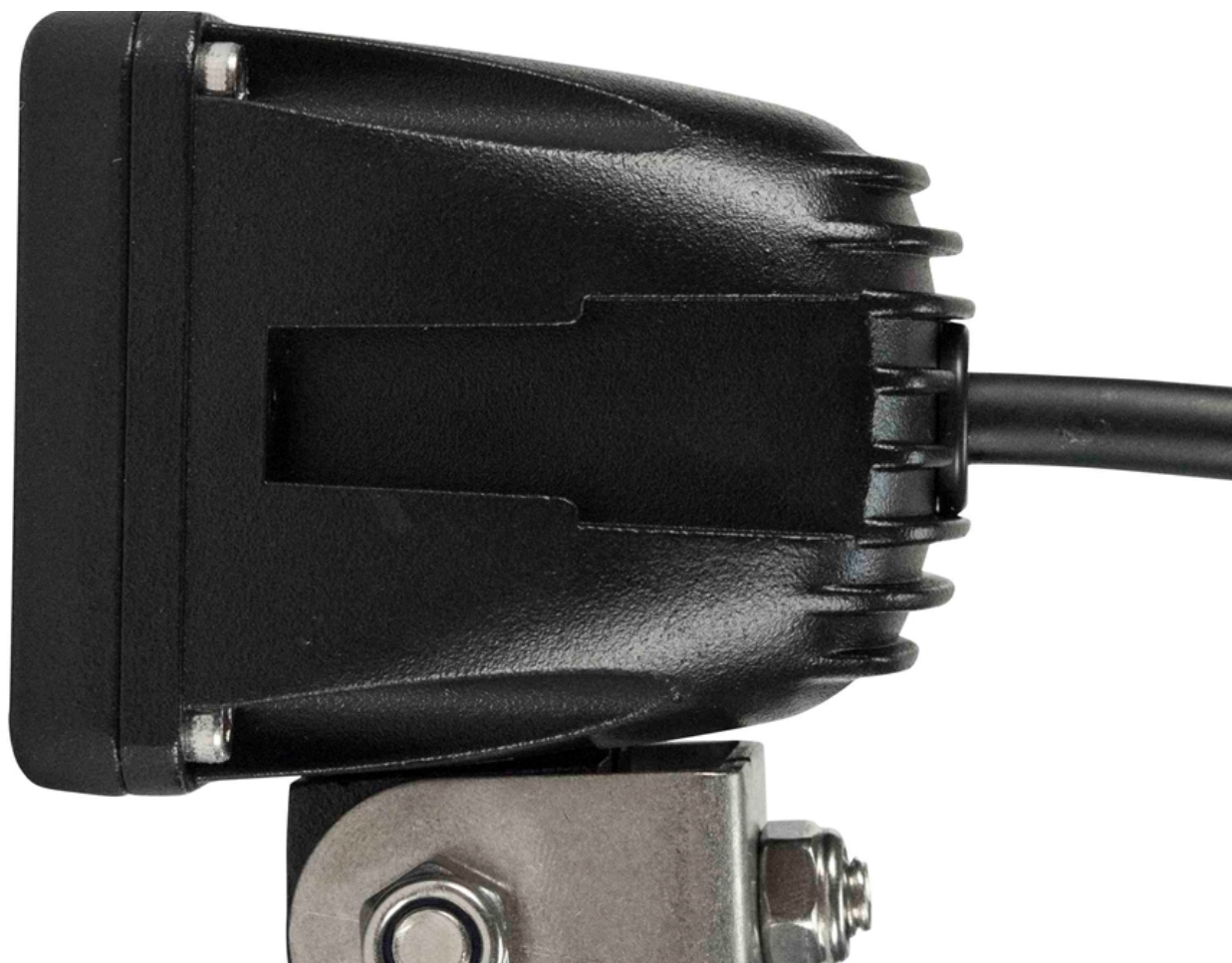


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EPL-SMLED-20W-116

Product ID: 50834

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

EPL-SMLED-20W-116-Finish-Beam Config

Example: EPL-SMLED-20W-116-Black-S

Finish		Beam Config	
BLACK	-Black	SPOT	-S
WHITE	-White	FLOOD	-F



Links (Click on the below items to view):

- **Dimensional Drawing 2D** (<https://www.larsonelectronics.com/images/product/DimensionalDrawing/50834.PDF>)
- **Operations Manual** (<https://www.larsonelectronics.com/images/product/Manual/50834.PDF>)
- **HigResPic1** (<https://www.larsonelectronics.com/images/product/HigResPic1/50834.JPG>)
- **HigResPic2** (<https://www.larsonelectronics.com/images/product/HigResPic2/50834.JPG>)
- **HigResPic3** (<https://www.larsonelectronics.com/images/product/HigResPic3/50834.JPG>)
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- **HigResPic5** (<https://www.larsonelectronics.com/images/product/HigResPic5/50834.JPG>)
- **HigResPic6** (<https://www.larsonelectronics.com/images/product/HigResPic6/50834.JPG>)
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- **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>)