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## LEDLB-PT-80X2ET-RED-1227

# Slip Fitter Yoke Mount LED Light Emitter - 80 LEDs - Red Illumination - 240 Watts - 120-277V

**Product ID: 105086**

**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.**

**LEDLB-PT-80X2ET-RED-1227 LED Light Bar**

**LEDs: 80 Edixeon® 3 Watt LED Emitters**
**Dimensions:** 22.25"-L x 10.25"-H x 3.56"-D
**Watts:** 240
**Voltage:** 120-277V AC
**Spot Beam: 1750`L x 300`W**
**Flood Beam: 570`L x 500`W**
**Weight:** 25 Lbs
**Lighting Configuration:** 10° Spot or 35° Flood
**Mounting:** Adjustable Slip Fit Yoke
**Wiring:** 12" flying leads
**Amps:** 2 (on 120 volts) 1 (on 24 volts)
**Lumens:** 14,400
**LED Light Color:** RED
**LED Life Expectancy:** 50,000 hours
**Optics Efficiency:** 90%
**Materials:** Aluminum Housing, Polycarbonate Lens
**Housing Colors:** Black or White
**Lux Readings 10` increments:** 10` - 10,000, 20` - 2,900, 30` - 1,275, 40` - 660, 50` - 425, 60` - 290, 70` - 195, 80` - 140, 90` - 110, 100` - 90, 110` - 70
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

**LEDLB LED Features**

Edixeon® 3 Watt LED Emitters
LEDs Driven At 80%
-40 C~ +80C Operating Temp Range
RoHS Compliant
70% Lumen Retention @65,000 hours
LED Chip Op Temp -40C to +125C
IP68 Rated Waterproof to 3 meters
**CE Certified**

**Special Orders - Special Requirements**

Contact us for special requirements

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

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customer. When the failed light is returned, Larson Electronics will ship a new replacement.

## Buy American Compliant

**The Larson Electronics LEDLB-PT-80X2ET-RED-1227 Pole Top Slip Fit offers high powered red light output and extreme durability in a light weight, durable, low profile housing combined with versatile power options. This IP68 rated LED light bar is waterproof to three meters and produces 14,400 lumens while drawing only 240 watts of power at 2 amps from a 120 volt electrical system. This light can run on any voltage from 100 to 277 volts and provides an extremely rugged lighting solution that is ideal for use in commercial environments as well as industrial and manufacturing applications.**

The LEDLB-PT-80X2ET-RED-1227 pole top red LED light fixture from Larson Electronics produces a 1750` long by 300` wide red light beam with 14,400 lumens of bright light while drawing only 240 watts @20 amps from a 12 volt electrical system. Eighty Edison Edixeon® Emitters red colored three watt LEDs producing 180 lumens each are arranged in rows and paired with high purity 10 degree optics to produce a tightly focused spot beam with limited spread or light spillage. We also offer optional floodlight versions with 35 degree optics to produce a wider beam spread and more light over a larger area nearer the fixture, making flood versions ideal for use as work and area lights. These LED light slip fitters are IP68 rated and waterproof to 3 meters, sealed against intrusion by dust and dirt and very ruggedly constructed to withstand the most demanding environments, conditions and applications.

The entire Larson Electronics LEDLB-E series are constructed of extruded aluminum and feature heavier housings, rubber isolated mounts and unbreakable polycarbonate lenses to provide increased durability against vibrations, impacts, waves, hard rains, sand and high winds. This light is equipped with a trunnion mounting bracket that allows operators to adjust the light fixture through 270 degrees of movement after installation on top of poles.

The advantage in colored LED light bars lies in the fact that no lenses are required to change the light color. LEDs can be configured to produce light in only a specific color, allowing the full power of the LED to be projected. Traditional colored lights require a colored lens or filter to produce colored light, which reduces the overall light output as some of the light energy is lost to the colored lens.

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**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 fin design which dissipates heat efficiently to produce the maximum amount of power and longevity from the integrated Edison Edixeon® Emitters. The end result is more light and longer LED life with higher average lumen maintenance after 50,000 hours.

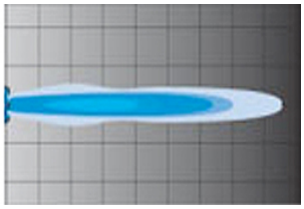
**Voltage Control:** These units are able to monitor and adjust input current to maintain the correct LED voltage levels regardless of input levels and have an operating range from 100V to 277V AC without any modifications necessary as a result. This multi-voltage capability makes these units ideal for security, machine vision, warehouses, and stand alone applications.

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**LEDLB-PT-80X2ET-RED-1227**
**35° Flood Beam (Opt)**



**LEDLB-PT-80X2ET-RED-1227**
**10° Spot Beam (Stnd)**



**Durability:** The LEDLB-E series of LED light bars from Larson Electronics offer IP68 rated construction that is designed to withstand extremes of environmental and operating conditions. The LED lights with the 'E' part number designation are designed for extreme durability and are larger and nearly twice as heavy as their standard counterparts. These units can withstand rapid temperature changes of -40 degrees Celsius to 85 degrees Celsius, are waterproof to three meters and resist ingress of dust, dirt and humidity. The housings are formed from thick extruded aluminum and the lenses are unbreakable polycarbonate. The Edixeon® LEDs offer inherent LED resistance to shocks and vibrations contributing to these units 15.6Grms rating of vibration tolerance. We recommend these LED lights for high stress - high vibratory conditions, high humidity climates, very cold areas and rough saltwater conditions. They are also well suited to environments where equipment is used in one temperature extreme and stored in another temperature extreme.

**Mounting:** These LEDLB light fixtures feature a smaller profile and lighter weight than traditional colored lights, making them ideal for use in locations where traditional lights cannot fit or would block other mounted equipment. This pole top slip fit mount light features an adjustable swivel bracket constructed of 3/8" aluminum that allows over 270° of adjustment and is attached to a slip fit yoke for easy installation. The slip fit yoke is built to customer`s specs, enabling operators to mount this explosion proof LED light to their specific pole size. For example, selecting a 2" OD mount means that the yoke mount will fit onto pipes or bull horns with a 2" OD.

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# Frequently Asked Questions (FAQ)

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**LEDLB-PT-80X2ET-RED-1227**

**Product ID: 105086**

**Harmonized System (HS) Code:** 9405.41.84.10

**Export Control Classification Number (ECCN):** EAR99

**Options:**

**LEDLB-PT-80X2ET-RED-1227-Finish-Beam Config-Mount**

**Example: LEDLB-PT-80X2ET-RED-1227-Black-S-2in**

| Finish | |
|---|---|
| BLACK | -Black |
| WHITE | -White |

| Beam Config | |
|---|---|
| SPOT | -S |
| FLOOD | -F |

| Mount | |
|---|---|
| 2 | -2in |
| 2 1/4 | -2.25in |
| 2 1/2 | -2.5in |
| 2 3/4 | -2.75in |
| 3 | -3in |

Links (Click on the below items to view):

- **CE Certificate**
- **Military Specification Certificate 1**
- **MSDS (Material Safety Data Sheet**
- **RoHS Certificate (Restriction of Hazardous Substances)**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**