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LEDL-160W-1227

160 Watt High Intensity LED Flood Light - 24 LEDs - 120-277V AC - 20,500 Lumens

Product ID: 69883

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.

LEDL-160W-1227 LED FloodLight Bar

Lamp Type: LED
Dimensions: 13.70 "-L 10.24"-H 3.61"-D
Watts: 160
Led Drive %: 90%
Voltage: 120-277 Volts AC
Lighting Configuration: Flood
Mounting: 3/4" NPT Knuckle or U-Bracket Trunnion
Wiring: 3-Wire Pigtail
Amps: 1.35 @ 120V
Lumens: 20,500
LED Light Color: White - 5000K
LED Life Expectancy: 50,000 hours
Optics Efficiency: 90%
Materials: Aluminum Housing, Polycarbonate Lens
Housing Colors: Black/White
Weight: 10 Lbs

Internal LED Driver Features

Active Heat Management
Ambient Op Temp -40C to +80C
Low Amp Draw
Instant ON - No warm up time
USCG Certified

Special Orders - Special Requirements

Contact us for special requirements

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Buy American Compliant

The LEDL-160W-1227 LED Flood Light offers high output from a compact form factor and is ideal for use in mining applications as well as heavy equipment, hunting, boating, vehicle, military, law enforcement and industrial manufacturing uses. A 20,500 lumen output, 1.35 amp draw, 50,000 hour service life and 120-277 volt AC compatibility

provides operators with a rugged and powerful LED alternative to 1000 watt halogen lamps that uses little power and can withstand rugged use and abusive conditions.
The LEDL-160W-1227 LED flood light from Larson Electronics produces 20,500 lumens of high intensity light while drawing only 160 watts @ 1.35 amps from a 120 volt electrical system. Twenty-four LEDs are arranged in rows and paired with high purity optics to produce a floodlight beam spread to provide more light over a larger area nearer the fixture, making this LED light ideal for use as dedicated work and area lighting. These LED light bars are USCG certified, IP67 waterproof, sealed against intrusion by dust and dirt, and very ruggedly constructed to withstand the most demanding mining environments, conditions and applications. LEDL-160W-1227 led flood lights are ideal replacements for fragile and hot running 1000 watt halogen lamps. They offer a small profile, low power requirements, high durability and a versatile mounting system that makes these LED light emitters a superior lighting solution for demanding applications where power and reliability is critical. The heavy duty design and high power of these LED lights also makes them suitable for a wide array of applications including but not limited to: military, industrial manufacturing, machine visioning, security and law enforcement, boating, vehicles and commercial structure illumination.

Heat Management: Heat is the single largest factor in premature LED failure and color shifting. These LED units contain advanced drivers which use pulse width modulation to control heat buildup rather than simple voltage regulators which are typically harsh on sensitive electronics and can contribute to early LED failure. These units automatically sense the temperature of each LED and adjust the energy frequency or "duty cycle" accordingly to maintain heat levels within acceptable ranges. This system in essence flashes current at an extremely fast on and off rate to each LED based upon the LED's core temperature. This flash rate is too fast to detect with the human eye, but provides precise control of the current flowing to each LED and thus the heat it generates. This allows the LEDs to be driven at up to 90% capacity without overheating or visible loss of light output. The LEDs are always driven at the same voltage but the duty cycle, however, is changed to alter how long the LEDs are actually on or off. The end result is more light with less heat and longer LED life with an average 70% lumen maintenance after 50,000 hours.

Durability: As well as unparalleled heat control, the LEDL-160W series of LED flood lights from Larson Electronics also offer IP67 rated construction that is designed to withstand extremes of environmental and operating conditions. These units can withstand rapid temperature changes of -40 degrees Celsius to 80 degrees Celsius, are waterproof, and resist ingress of dust, dirt and humidity. The housings are formed from extruded aluminum and the lenses are unbreakable polycarbonate. We recommend these LED lights for use in applications where a lot of vibration, dust, dirt, dampness and abusive working conditions are encountered.
Mounting: Each unit is equipped with an adjustable u-bracket trunnion mount. We also offer an optional knuckle style mounting bracket with 3/4" NPT that allows the light to be adjusted through 360 degrees of vertical movement. To adjust the unit after mounting, the user simply loosens the thumb screw located on the side of the unit, moves it into the desired position, then retightens the screw.

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Frequently Asked Questions (FAQ)







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Product ID: 69883

Harmonized System (HS) Code: 9405.41.84.10
Export Control Classification Number (ECCN): EAR99

Options:

LEDL-160W-1227-Mounting

Example: LEDL-160W-1227-TRN

Mounting	
TRUNNION	-TRN
KNUCKLE	-KN
RECESSED MOUNT	-RCSD

Links (Click on the below items to view):

- **Dimensional Drawing 2D**
- **IES (Photometric File)**
- **Operations Manual**
- **Wiring Diagram (Oneline)**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **HigResPic7**
- **HigResPic8**
- **HigResPic9**
- **HigResPic10**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**