Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

LEDWL-FLK-21-3C-RND-R

21 Watt LED Forklift Light Emitter - 4.5” Diameter - 9 to 32 Volts DC - Stud Mount -Red Light Output

Product ID: 146463

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.

LEDWL-FLK-21-3C-RND-R Red LED Forklift Light

LEDs: 7 Edixeon® 3 Watt LED Emitters
Dimensions: 4.5"- OD 4.7"-H 3.25"-D
Watts: 21
Voltage: 9-32V DC
Spot Beam: 725`L x 75`W
Flood Beam: 180`L x 150`W
Weight: 2 Lbs
Lighting Configuration: 10° Spot or 35° Flood
Mounting: Flat Surface or Tube - Adjustable
Wiring: Deutsch IPD / LADD DT04-2P connector
Amps: 1.6 (on 12 volts) .6 (on 24 volts)
Lumens: 1750
LED Light Color: 6000K
LED Life Expectancy: 50,000 hours
Optics Efficiency: 90%
Materials: Aluminum Housing, Polycarbonate Lens
Housing Colors: Black or White

LEDWL LED Features

Edixeon® 3 Watt LED Emitters
LEDs Driven At 80%
-40°C ~ +80°C Operating Temp Range
70% Lumen Retention @65,000 hours
IP67 Rated Waterproof to 1 meter
LEDs Driven At 80%

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

Buy American Compliant

The LEDWL-FLK-21-3C-RND-R Round LED Forklift Light offers high light output in a light weight, durable and low profile housing combined with

versatile mounting and power options. This LED forklift light produces a light that is red in color, a very tight spot pattern, can run on any voltage from 9 to 32 volts and provides a rugged lighting solution ideal for use on forklifts.

The LEDWL-FLK-21-3C-RND-R LED forklift light emitter produces a 575` long by 45` wide light beam with 1750 lumens of bright red light while drawing only 21 watts @ 1.6 amps from a 12 volt electrical system. Seven Edison Edixeon® Emitters containing CREE EZBright® three watt LEDs producing 180 lumens each are paired with high purity 10 degree optics to produce a tightly focused spot beam with limited spread or light spillage. Unlike other LED spots, this unit is not a wide spot. The beam on this fixture is so tight, it resembles the pattern of an HID spot (not distance-wise). This fixture is ideal for anyone who is looking for a tight spot light that offers an outstanding life expectancy of 50,000+ hours. We also offer optional floodlight versions with 35 degree optics to produce a wider beam spread approximately 80` long by 70` feet wide, making flood versions ideal for use as work and area lights.

Standard forklift warning systems consist of strobe lights or audible alarms. Strobe lights may not always be visible with high illumination settings. The strobe lights on forklifts, depending on the position of the light, can be a hindrance to the forklift operator by reducing the visibility due to continual contrasting from the strobe light. Audible alarms, such as backup alarms, are the most disliked warning system for forklifts, especially operators and pedestrians within work forces that have to listen to this alarm continually throughout the work day. Both strobe lights and audible alarms are often ignored due to conditioning of the warning system from day to day exposure. The LEDWL-FKLT-RED addresses both the above issues, providing a new system that is not obnoxious and will not get on the nerves of employees, while providing the warning indication required by OSHA to keep employees and pedestrians within the work force safe.

These red LED forklift lights are IP67 rated and waterproof to one meter, sealed against intrusion by dust and dirt and ruggedly constructed to withstand demanding environments and applications. The entire Larson Electronics LEDWL series are constructed of extruded aluminum and feature rubber isolated mounts and unbreakable polycarbonate lenses to provide durability and resistance to vibrations, impacts, waves, hard rains, sand and high winds.

LED Benefits: Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation and/or transportation. 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 is applied, providing instant illumination with no warm up or cool down time before re-striking. Because there is no warm up period, this light can be cycled on and off with no reduction in lamp life.

LED lights run at significantly cooler temperatures than traditional metal halide and high pressure sodium lights and contain no harmful gases, vapors, or mercury, making them both safer and more energy efficient. No extra energy is wasted in cooling enclosed work areas due to external heat emissions from bulb type lights, and the operator risks associated with traditional lighting methods, such as accidental burns and exposure to hazardous substances contained in the glass bulbs, are eliminated. In addition, LEDs are also safer for the environment as they are 100% recyclable, which eliminates the need for costly special disposal services required with traditional gas burning and arc type lamps.

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.

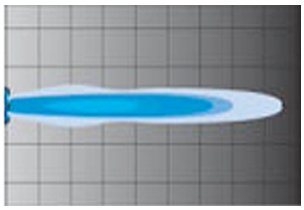
Voltage Control: These units are able to monitor and adjust input current to maintain the correct LED voltage levels regardless of input levels. These LEDWL series light bars can operate on current ranging from 9 to 42 VDC without any

modifications necessary as a result. This multi-voltage capability makes these units ideal for forklifts and vehicles where power systems don't always operate with 12 volts and external generators, transformers or inverters are impractical.

LEDWL-FLK-21-3C-RND-R 35° Flood Beam (Opt)



LEDWL-FLK-21-3C-RND-R 10° Spot Beam (Stnd)



Durability: The LEDWL series of LED forklift lights offer IP67 rated construction that is designed to withstand tough environmental and operating conditions yet are lighter and more compact than our extreme duty E series light bars. These units can operate in temperatures ranging from -40 degrees Celsius to 85 degrees Celsius, are waterproof to one meter and resist ingress of dust, dirt and humidity. The housings are formed from extruded aluminum, the hardware is stainless steel 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. These LEDLB series light bars are ideal for use in marine environments as well as industrial and commercial settings.
Mounting: These LEDWL forklift lights feature a smaller profile and lighter weight than our LEDLB-E extreme series lights, making them ideal for use in locations where traditional lights cannot fit or would block other mounted equipment. LEDWL-FLK-21-3C-RND-R red LED forklift light are equipped standard with stainless steel u-brackets which slide over the housing and allows users to adjust the light vertically once mounted. The lights are mounted simply by sliding the single mounting stud into pre-drilled or user drilled 1/4" holes and securing the stud with a nylock nut. We also offer a BC-2 bar clamp mounting system you can view here for even greater mounting versatility.
Note: Most Larson Electronics LEDLB, LEDP3W, LEDP10W, and LED10W series LED spotlights and floodlights are terminated with a Deutsch IPD / LADD DT04-2P connector. The mating connector plug is DT06-2S. Most LEDLB and LED10W series lights ship with mating connector as part of a harness or pigtail, depending on the model. Some larger LED lights like the LEDLB-160X2 or LEDLB-200X2 or multiple function LED lights (i.e. high/low beam, modulating, IR/Visible combos) will have different Deutsch connectors.
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.

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

Frequently Asked Questions (FAQ)

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364









Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

LEDWL-FLK-21-3C-RND-R
Product ID: 146463

Warranty: 36 Months

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

Options:
LEDWL-FLK-21-3C-RND-R-Finish-Beam Type
Example: LEDWL-FLK-21-3C-RND-R-BLK-SP

Finish	
BLACK	-BLK
WHITE	-WHT

Beam Type	
SPOT	-SP
FLOOD	-FL

Links (Click on the below items to view):

- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- HigResPic6
- HigResPic7
- HigResPic8
- HigResPic9
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map