

EPL-FL1524-LED-100

Explosion Proof LED Aluminum Drop Light - Class 1 Div 1 - 100' Cord

Product ID: 47150

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



Image: EPL-FL1524-LED-100

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-FL1524-LED-100 Work Light

Listing: United States

Dimensions: 27"-L x 3.25"-Dia

Weight: ~4.75 lb

Voltage: 120-277 Volts 50/60 Hz or 11-25 Volts AC/DC

Total Watts: 26 Watts

Lumens: 3380

Luminous Efficacy :130 Lm/W

Lamp Life: 50,000+ Hours

Lamp Color: 5600K, 5000K, 4500K, 4000K, or 3000K

CRI: >75 White

Power Efficiency: >95%

Power Factor: 0.992

Lamp Length: 2 Foot

Amperage: 0.44 A @ 120 V, 0.22 A @ 240 V, 0.19 A @ 277 V

Ambient Operating Temperature Range: -50°C to +65°C

Operating Temp Rating: T6

Material: Rubber / Copper Free Aluminum

Mounting: Handheld / Aluminum Hook

Wiring: 100' 16/3 AWG SOOW Cable w/ General Area Cord Cap

Cord Cap Options: 5-15, 6-15, 5-20, 6-20, L5-15, L6-15, L5-20, L6-20, BS1363, Schuko, or Pigtail

Ratings/Approvals

Class I, Division 1 , Groups C and D

Class I, Division 2, Groups A, B, C, D

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

Class III, Divisions 1 & 2

T6 Temperature Rating

NRTL Certified to UL 844 Ed. 13

NRTL Certified to UL 1598

Certified to C22.2 No. 137 Rev 2014

Certified to C22.2 No. 250.0

Paint Spray Booth Approved

Factory Sealed Light Fixture

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

F.M. Approval: [U.S Certificate](#)

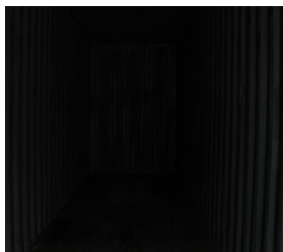
E-mail: sales@larsonelectronics.com

Made in the USA

The EPL-FL1524-LED-100 from Larson Electronics is a Hazardous Area LED Work Light that is approved for use in Class I Divisions 1 & 2 hazardous locations. With a 26 watt LED tube lamp, this hazardous location light provides better quality light than higher wattage incandescent lights and more light than previous fluorescent lamp equipped models. This light is suitable for exposure to vapors and dusts and ideal for use in paint spray booth inspections or as general portable lighting in confined spaces like fuel tanks or grain storage areas.

This 2 foot long, 26 watt, explosion proof LED work light from Larson Electronics comes complete with a 100 foot long explosion proof cord for convenient operation. This hazardous location area light features a rugged, non-sparking aluminum casing and unique rod cage and produces cool, glare-free, shadowless light that improves safety in hazardous locations and maximizes lighting efficiency with built-in metal reflectors.

These LED lights improve on the desirable qualities of similar fluorescent models with higher output and better light quality and are ideal for paint booth applications, storage container inspections and applications involving confined spaces such as tank cleaning and industrial container maintenance. The high light output, good light color and evenness of coverage makes these lights ideal for a wide variety of close quarter work and inspection activities.



40' Container Dark

[Click Photos to Enlarge](#)



Container With EPL-FL1524-LED

The 26-watt LED lamp used in this unit provides as much illumination as higher-wattage incandescent lamps without the associated heat, reducing the chances of accidents or burns. This lamp has no ballast, which reduces lamp weight, an impact resistant tube shield with specially designed annealed glass and an aluminum hook for easy overhead mounting. The 100 foot long Class I, Division 1 rated SOOW 16/3 AWG cord and explosion proof slip-ring housing help this unit to achieve approval for use in environments containing flammable vapors and combustible dusts. This explosion proof LED hand lamp can be used within hazardous locations rated Class I Divisions 1 and 2, and Class II Divisions 1 and 2, making it ideal for hazardous work areas where a ready source of easily managed lighting is desired.

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.

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 drop lights can operate on current ranging from 100 to 277 V AC without any modifications necessary as a result. We also offer a low voltage 11-25 V AC/DC version for low voltage applications. 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.

[Click Photos to Enlarge](#)



5-15 Straight Blade Plug
15 Amp / 125 V Rated



L5-15 Twist Lock Plug
15 Amp / 125 V Rated



L6-15 Twist Lock Plug
15 Amp / 250 V Rated



UK BS1363 Straight Blade Plug
13 Amp / 250 V Rated / Internal Fuse



Intl Schuko 2-Pin Plug
16 Amp / 250 V Rated / Grounded



Flying Leads / Pigtail Wires

Wiring/Plug: This explosion proof work light is equipped with 100 feet of 16/3 chemical and abrasion resistant SOOW cord that is fitted with an industrial grade cord cap for easy connection to common wall outlets. Plug options include standard 5-15 15 amp straight blade plug for 110 V wall outlets with ground, standard 5-20 20 amp straight blade plug for 110 V wall outlets with ground, standard 6-15 15 amp straight blade plug for 220-240 V wall outlets with ground, standard 6-20 20 amp straight blade plug for 220-240 V wall outlets with ground, NEMA L5-15 15 amp twist lock plug for 125V twist lock outlets, NEMA L5-20 20 amp twist lock plug for 125 V twist lock outlets, NEMA L6-15 15 amp twist lock plug for 240 V twist lock outlets, NEMA L6-20 20 amp twist lock plug for 240 V twist lock outlets, British BS1363 13 amp fused 3-blade plug for United Kingdom outlets, or a two pin 16 amp rated Schuko plug with ground contact and socket for European outlets up to 250 V. Alternatively, we can provide



flying leads with no plug for hard wire applications or for operators who prefer to wire in user provided cord caps. Please choose pigtail option below for flying leads with no plug.

Please note that the cord cap on this unit is NOT explosion proof and must be connected OUTSIDE the hazardous area.

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.



Frequently Asked Questions (FAQ)

There are no Faqs



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Product ID: 47150

Warranty: 36 Months.

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

EPL-FL1524-LED-100-Voltage-Cord Cap

Example: EPL-FL1524-LED-100-1227-5.15

Voltage		Cord Cap	
120-277V AC	-1227	5-15 STRAIGHT	-5.15
11-25V AC/DC	-1224	6-15 STRAIGHT	-6.15
		L5-15 TWIST	-L5.15
		L6-15 TWIST	-L6.15
		UK BS1363	-BS1363
		INTL SCHUKO	-Schuko
		PIGTAIL	-Pigtail

Links (Click on the below items to view):

- **Dimensional Drawing 2D** (<https://www.larsonelectronics.com/images/product/DimensionalDrawing/47150.PDF>)
- **DXF (2D CAD Model)** (<https://www.larsonelectronics.com/images/product/DFX/47150.ZIP>)
- **Operations Manual** (<https://www.larsonelectronics.com/images/product/Manual/47150.PDF>)
- **SpecSheetArabic** (<https://www.larsonelectronics.com/images/product/SpecSheetArabic/47150.PDF>)
- **SpecSheetFarsi** (<https://www.larsonelectronics.com/images/product/SpecSheetFarsi/47150.PDF>)
- **SpecSheetFrench** (<https://www.larsonelectronics.com/images/product/SpecSheetFrench/47150.PDF>)
- **SpecSheetRussian** (<https://www.larsonelectronics.com/images/product/SpecSheetRussian/47150.PDF>)
- **SpecSheetSpanish** (<https://www.larsonelectronics.com/images/product/SpecSheetSpanish/47150.PDF>)
- **STEP File (3D CAD Model)** (<https://www.larsonelectronics.com/images/product/Step/47150.ZIP>)
- **Wiring Diagram** (<https://www.larsonelectronics.com/images/product/WiringDiagram/47150.PDF>)
- **HigResPic1** (<https://www.larsonelectronics.com/images/product/HigResPic1/47150.JPG>)
- **HigResPic2** (<https://www.larsonelectronics.com/images/product/HigResPic2/47150.JPG>)
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- **HigResPic4** (<https://www.larsonelectronics.com/images/product/HigResPic4/47150.JPG>)
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- **HigResPic10** (<https://www.larsonelectronics.com/images/product/HigResPic10/47150.JPG>)
- **Video1** (<https://www.youtube.com/watch?v=NtvnnKvG-NI>)
- **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>)