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EPL-FL1524-LED-100-EPP

26W Explosion Proof LED Tube Drop Light - Class I, Div. I - 100' 16/3 SOOW Cord w/ EXP Cord Cap

Product ID: 48609

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.

EPL-FL1524-LED-100-EPP 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/ Explosion Proof Cord Cap
Cord Cap Options: 5-15P, 5-20P, or 6-20P
F.M. Approval: U.S Certificate

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

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Made in the USA

The EPL-FL1524-LED-100-EPP 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. The EPL-FL1524-LED-100-EPP is equipped with a 100 foot cord that is terminated in a choice of explosion proof cord caps.

This 2 foot long, 26 watt, explosion proof LED work light from Larson Electronics comes complete with a 25 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



Container With EPL-FL1524-LED-100-EPP

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 25 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



5-20 Straight Blade Plug



6-20 Straight Blade Plug

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 explosion proof cord cap for easy connection to explosion proof outlets. Plug options include a 5-15 15 amp straight blade plug for use with 120 V explosion proof outlets, a 5-20 20 amp straight blade plug for use with 120 V explosion proof outlets, or a 6-20 20 amp straight blade plug for use with 220-240 V explosion proof outlets. ***PLEASE NOTE** voltage ratings on plugs and outlets are MAXIMUM voltage. For low voltage applications, proper voltage must be applied to the outlet or damage to the light fixture will occur.*

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.

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Frequently Asked Questions (FAQ)



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EPL-FL1524-LED-100-EPP
Product ID: 48609

Warranty: 36 Months

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

Options:
EPL-FL1524-LED-100-EPP-Voltage-Cord Cap
Example: EPL-FL1524-LED-100-EPP-1227-1523

Voltage	
120-277V AC	-1227
11-25V AC/DC	-1224

Cord Cap	
5-15	-1523
5-20	-2023.125V
6-20	-2023.250V

Links (Click on the below items to view):

- **Dimensional Drawing 2D**
- **DXF (2D CAD Model)**
- **Operations Manual**
- **SpecSheetArabic**
- **SpecSheetFrench**
- **SpecSheetSpanish**
- **STEP File (3D CAD Model)**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **HigResPic7**
- **HigResPic8**
- **Video1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**