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

WDL-96-1L-LED

8' Wash Down Light - 56 Watts - 7000 Lumens - Food Preperation - Surface Mount - 120/277V or 12/24V

Product ID: 244144

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.

WDL-96-1L-LED Linear Light

Lamp Type: LED T8 Tube

Dimensions: 120"L x 3.6" Diameter

Weight: 6 lb
Voltage: Universal - 100-277 V AC, 50/60Hz or 11-25 V AC/DC
Total Watts: 56 W

Total Lumens: 7,000

Luminous Efficacy: 125 Lm/W

LED Lamp Life Expectancy: 50,000+
Color Temp:5600K
Color Rendering Index: >80
Beam Angle: 150°
Amp Draw: 0.46 amps @ 120 volts

Power Efficiency: 90%

Power Factor: >0.95
Ambient Operating Temperature: -20°C to +85°C
Operating Temperature Range: -40°C to +85°C
Minimum Operating Temperature: -20°C
Maximum Case Temperature: 160°C
Housing Material: Polycarbonate
Lens Material: Polycarbonate

Ratings

Wet Area Approved
IP66 Rated for High Pressure Jets in Washdown Environments
Corrosion Resistant
50,000 Hour LED life
High Output LED Lamp
Internal LED Driver - No Ballasts
Fluorescent Style LED Tube

Special Orders - Special Requirements

Contact us for special requirements

Gasket: Silicone
Mounting: Aluminum L-Brackets, Chain Hanging, or Safety Cable Hanging
Wiring Hub: 3/4" or 1/2"

Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
E-mail: sales@larsonelectronics.com

Made in Texas

Providing 7,000 lumens of clean, crisp white light with a CRI of >80 and a color temperature of 5600K, the WDL-96-1L-LED linear LED light from Larson Electronics clearly and directly illuminates work areas while eliminating dark spots and shadows, making it ideal for work environments where bright uniform light and excellent color rendering are crucial to completing tasks safely. With an impact and shock resistant no-glass, polycarbonate T8 LED bulb, sealed polycarbonate end caps, and corrosion resistant aluminum hardware, this IP66 rated waterproof linear light is unrivaled in providing reliable, stable lighting under even the harshest of conditions.

The WDL-96-1L-LED linear light is consists of two LEDT8-28W-V1 28 watt T8 tube style LED bulb that each draw 0.23 amps at 120 volts AC (for a totala of 0.46 amps at 120 volts AC), polycarbonate end caps, and aluminum L brackets for mounting. Because the T8 tubes are self-contained lighting fixtures in themselves and require no additional housing, this unit is ultra compact and low profile.

Instead of using a fragile glass bulb as with traditional fluorescent lighting, the housing on this LED fixture is made of impact and shock resistant polycarbonate, making it a much safer and more durable option than fluorescent bulbs. The WDL-96-1L-LED Linear LED Light is the ideal replacement for outdated traditional fluorescent fixtures. While fluorescents require additional space for a ballast, contain fragile glass bulbs, and are notorious for annoying flickering and slow start up times, LED T8 tubes require no ballast, take up less space, provide instant full power illumination, and project a stable, no-flicker beam from a durable solid state lighting source.

The T8 LED tube is lightly frosted and contains a built-in reflector to provide a wide, glare-free area of bright illumination. Providing 7,000 lumens of clean, crisp white light with a CRI of >80 and a color temperature of 5600K, the WDL-96-1L-LED clearly and directly illuminates work areas while eliminating dark spots and shadows, making it ideal for work environments where bright uniform light and excellent color rendering are crucial to completing tasks safely.

The WDL-96-1L-LED is built to withstand the challenges and rigors of wet environments and harsh conditions, including extreme temperature changes. With a tough, shatter resistant T8 LED tube sealed with polycarbonate end caps and equipped with corrosion resistant, non-sparking aluminum and nonmetal hardware, this compact and rugged IP66 rated light can withstand high pressure jets in washdown areas such as those found in food preparation and sanitation operations.

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.

Click Photo to Enlarge

Mounting: This light is equipped with two heavy duty aluminum L brackets, each predrilled with a single hole, that allow for easy ceiling, wall, and surface mounting. Each bracket has a center screw that allows the operator to adjust the fixture position by simply loosening the screw, manually moving the lamp to the desired position, and retightening the screw. Alternative mounting options include chain hanging or safety cable hanging as well as wiring multiple units together end to end via conduit.

Power/Wiring: Wiring for this unit is brought in through the 3/4" or 1/2" hubs on either end. Multiple units can be wired together by bringing conduit to each fixture.

The internal driver in the WDL-96-1L-LED 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. As a result, this light can operate on current ranging from 110 to 277 V AC for high voltage models or 11 to 25V AC/DC for low voltage models with no modification necessary. 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 premature LED failure.

Applications: Food Processing and Preparation, Automation, Washdown lighting, Inspection, Emergency Shelter Lighting, Hallway Lighting

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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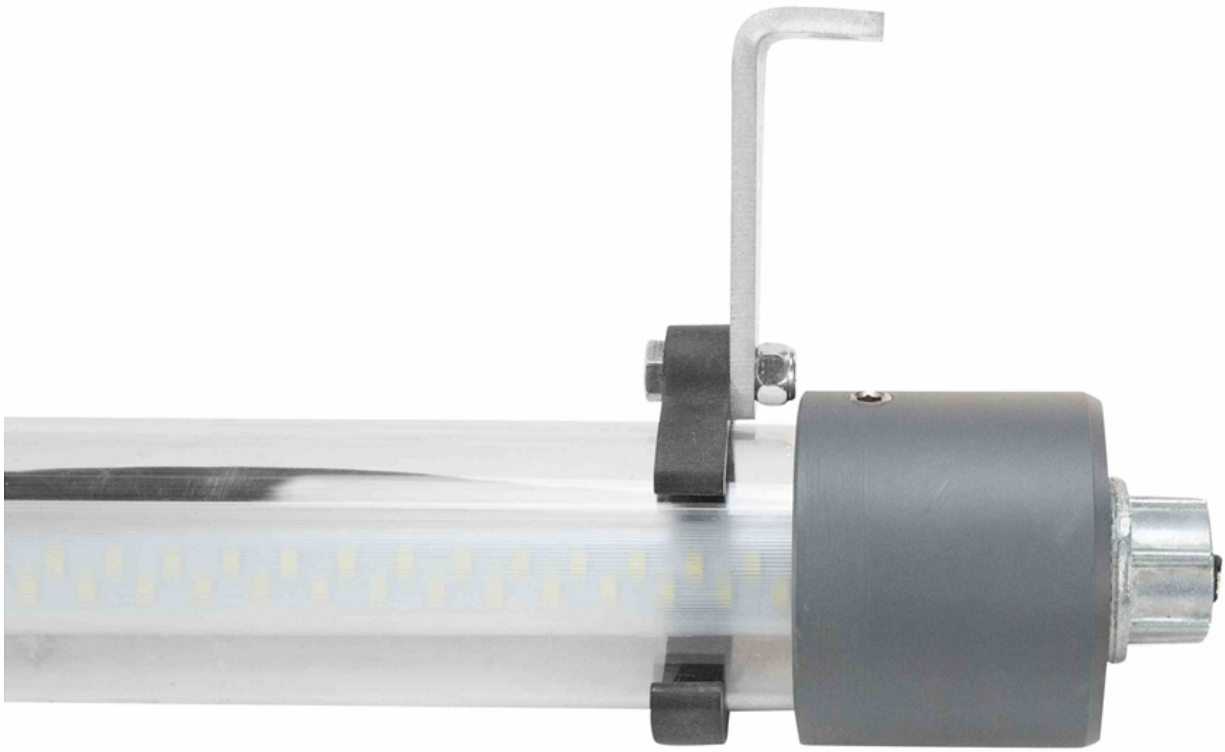
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Frequently Asked Questions (FAQ)









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WDL-96-1L-LED

Product ID: 244144

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

WDL-96-1L-LED-Voltage-Color Temp

Example: WDL-96-1L-LED-1227-30K

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

Color Temp	
3000K	-30K
4500K	-45K
5600K	-56K
7500K	-75K

Links (Click on the below items to view):

- **Operations Manual**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**