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-12-IPS-LED-1224

10 Watt LED Machine Vision Light - Adjustable Tube Light - 1250 Lumens - 11-25V DC/DC - Food Safe

Product ID: 148302

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-12-IPS-LED-1224 LED Vision LED Light

Lamp Type: LED
Dimensions: 25"L x 2.5"W x 4"H
Weight: 6 lb
Voltage: 11-25V AC/DC
Watts: 10
Lumens: 1,300

Lamp Life Expectancy: 100,000+ Hours
Color Temperature: 5,000K
CRI: 80

Beam Type: 100° Flood or 30° Spot
Amps: 0.83A @12V DC, 0.42A @ 24V DC

Operating Temp Range: -40°C to +85°C
Housing Materials: CNC machined aluminum end caps and mounting brackets
Lens Materials: Polycarbonate
Gasket Material: Silicone O-Rings
Mounting: Surface Mount via L Brackets
Wiring: 5" 16/2 SOOW Cord w/ flying leads

Ratings/Approvals

UL 1598
CSA 22.2 No. 250.0
IP67 Rated
Sanitation / Food Safe Suitable

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

The WDL-12-IPS-LED-1224 low profile LED light from Larson Electronics

is a compact luminary designed for machine vision applications. This low voltage machine light emits a total of 1,300 during operation, with a color temperature rating of 5,000K. This LED light features an adjustable surface mount and constructed of CNC billet aluminum with a polycarbonate lens and double o-ring gasket, making it ideal for wash-down and food service applications.

The WDL-24-IPS-LED-1224 is designed for machine vision lighting installations in compact spaces. The 10-watt explosion proof LED light operates on 11-25V AC/DC low voltage. During operation, the unit emits 1,300 of white light with a color temperature rating of 5,000K. For increased accuracy and detection, the luminary comes with a CRI rating of 80+. This light comes in a 100° flood beam configuration for wide area illumination or a 30° spot beam configuration for focused illumination.

The WDL-12-IPS-LED-1224 is wash-down and sanitation environments. This unit carries an IP67 waterproof rating, which ensures protection against limited ingress from dust, dirt, oil and full protection against water directly sprayed at high pressure. The no glass assembly makes this unit a perfect fit for food service machine systems.

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. Solid state LED lighting is also safer for the environment as LEDs are 100% recyclable. And recycling simultaneously reduces operating costs by eliminating the need for the expensive special disposal services required with traditional gas burning and arc type lamps.

Durability: The WDL-12-IPS-LED-1224 LED assembly constructed of extruded aluminum for rigidity and even heat dissipation. This LED assembly is then housed within a polycarbonate cylinder, protected by aluminum end caps with double o-ring seals on each end. The industrial housing provides an IP67 ingress protection against dust and protection against high pressure water spray that are experienced in wash-down applications. This design is weather resistant, suitable for indoor or outdoor applications, and ideal for areas where dampness or dusty conditions are regularly encountered.

Wiring/Power: These machine vision LED lights are equipped with 5" 16/2 SOOW cord containing a standard two-wire (positive/negative) connecting configuration. These wash-down lights are universal voltage capable, operating on AC/DC voltages from 11-25 volts for machine vision systems. Each WDL-12-IPS-LED-1224 draws 10 watts at 0.83 amps on 12V DC or 0.42 amps on 24V DC.

Mounting: Mounting for this LED machine light is provided by two L bracket mounting tabs that allow operators to mount the light to flat surfaces. Once mounted, the WDL-24-IPS-LED-1224 can be adjusted 180° and locked into place via end cap set screws. The entire assembly weighs 6 lb and measures 15" long, 2.5" wide and 4" tall, making it ideal for mounting in areas where space is limited and a low profile fixture is required.

Applications: Machine vision lighting, industrial automation, industrial manufacturing, inspections, labeling, verification, quality assurance and more.

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)


LARSON ELECTRONICS LLC







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WDL-12-IPS-LED-1224
Product ID: 148302

Warranty: 36 Months

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

Options:
WDL-12-IPS-LED-1224-Color Temperature
Example: WDL-12-IPS-LED-1224-56K

Color Temperature	
5600K	-56K
5000K	-50K
4500K	-45K
4000K	-40K
3500K	-35K
3000K	-30K
2700K	-27K
6500K	-65K

Links (Click on the below items to view):

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