

HAL-TBL-IPS-2X6-VISUV-8C-ILS-1227

Explosion Proof LED Inspection Light - C1D2 - White/UV - Adjustable Table Arm Mount - 8' Cord w/ Switch

Product ID: 265476

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.

HAL-TBL-IPS-2X6-VISUV-8C-ILS-1227 Explosion Proof LED Light

Listing: NRTL Listed for United States and Canada

Lamp Technology: White LED/UV LED

Dimensions: -

Height Adjustment: 16" Vertical

Extension Adjustment: 360° Rotation - 18.5" Max Extension

Total Watts: 11W

Voltage: 120/240V AC

Lumens (White): 750 lms

Luminous Efficacy (White): 125 Lm/W

Total Intensity (UV): 1,750 mW/cm²

Radiant Efficacy (UV): 1,050 mW/w

LED Life Expectancy: 50,000 hours

Color Temp: 6000K - White

CRI: > 75

UV Wavelength: 365nm

Lamp Type: -

Lamp Base: -

Replacement Lamp: -

Ratings/Approvals

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

NRTL Listed to UL 1598

IP65

T3 Temp Rating

Full, 360° Rotation

Beam Angle: 100°

Lighting Configuration: Flood

Power Efficiency: >95%

Power Factor: 0.992

Switch: On/Off/On

Amps: 0.091A @ 120V, 0.045A @ 240V

Ambient Operating Temp Range: -40°C to +60°C

Operating Temp Rating: T3

Housing Material: Extruded Aluminum

Light Housing Color: Powder Coated - Black

Lens Material: -

Mounting: Adjustable Table Arm Mount

Wiring: 8` 16/4 SOOW Cord

Special Orders - Special Requirements

Contact us for special requirements

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The HAL-TBL-IPS-2X6-VISUV-8C-ILS-1227 from Larson Electronics is an Explosion Proof LED Fixture that features an adjustable table arm mount for inspections in hazardous locations. This LED lamp operates on 120/240V AC and provides both white LED light and UV LED light output. The HAL-TBL-IPS-2X6-VISUV-8C-ILS-1227 comes equipped with a 3-position switch.

The HAL-TBL-IPS-2X6-VISUV-8C-ILS-1227 offers hands-free lighting and flexible positioning during inspections in Class I, Division 2 rated hazardous locations. This 11-watt unit is equipped with one white LED light (750 lumens; 6000K color temp rating) and one UV LED light (1,750 mW/cm²; 365nm wavelength). Designed to operate on 120/240V AC, the lamp features a flood beam configuration. This light is constructed of powder coated extruded aluminum for excellent strength and durability and is rated IP65 for protection against exposure to low pressure water jets from all directions and sealed against dust penetration.

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. These LED units contain advanced drivers which use pulse width modulation to control heat buildup rather than simple voltage regulators which are typically harsh on sensitive electronics and can contribute to early LED failure. These units automatically sense the temperature of each LED and adjust the energy frequency or "duty cycle" accordingly to maintain heat levels within acceptable ranges. This system in essence flashes current at an extremely fast on and off rate to each LED based upon the LED's core temperature. This flash rate is too fast to detect with the human eye, but provides precise control of the current flowing to each LED and thus the heat it generates. This allows the LEDs to be driven at up to 100% capacity without overheating or visible loss of light output. The LEDs are always driven at the same voltage but the duty cycle, however, is changed to alter how long the LEDs are actually on or off. The end result is more light with less heat and longer LED life with an average 70% lumen maintenance after 50,000 hours.

Durability: The HAL-TBL-IPS-2X6-VISUV-8C-ILS-1227 hazardous location LED

light is constructed of extruded aluminum with a tough powder coat finish for high strength and durability. The housing is IP65 rated, providing limited ingress protection against dusts, and basic protection against splashing water such as rain. This design is weather resistant, suitable for indoor or outdoor applications, and ideal for areas where wetness or dusty conditions are commonly encountered.

Wiring/Switch: The HAL-TBL-IPS-2X6-VISUV-8C-ILS-1227 is wired to a junction box that is equipped with 8' of 16/4 SOOW cord leading to a 3-position switch. The switch is configured with the following controls: On/Off/On. One side turns on the white LED light, while the other side turns on the UV LED light. The center turns off both lights.

Mounting: This explosion proof LED light is secured on an aluminum back plate and can be installed on flat surfaces, such as desks and platforms, using an adjustable table arm mounting system. The mounting component, which is constructed of aircraft-grade aluminum, supports 360 degrees of rotation, 180 degrees of swivel, as well as 15 degrees (up) and 85 degrees (down) of tilt. The LED lamp does not need to be removed when positioning the unit. For elevated illumination, the mounting component is adjustable at height of 16". The arm is gas spring-powered for accurate positioning of the luminary. During installation, operators may either clamp the base of the mount at the end of the platform (does not require holes) or secure the foundational component into the surface with screws.

Applications: Inspections, detailed tasks, labs, soldering, petroleum refineries, chemical and petrochemical plants, paint spray booths, food manufacturing buildings, hazardous locations 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.



Frequently Asked Questions (FAQ)



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Export Control Classification Number (ECCN): EAR99

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