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

IND-RBK-6-IPS-LED-UVC

1W Low Profile Ultraviolet LED Board and Driver - 280nm Wavelength - 5.5" x 1.75"

Product ID: 270445

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.

IND-RBK-6-IPS-LED-UVC UV LED Light Board & Driver

Lamp Type: UV LED
Dimensions: 5.5"-L x 1.75"-W
Weight: 0.50 lb
Watts: 1
Voltage: 12 or 24 V DC
Total Intensity: 12.5 mW/cm2
Lamp Life Expectancy: 5,000 Hours
Amps: 0.09 A @ 12 V DC - 0.045 A @ 24 V DC
Light Color: 280NM - Ultraviolet
Beam Angle: 100°
Lighting Configuration: Flood Pattern
Power Efficiency: >95%
Power Factor: 0.992
Ambient Operating Temp Range: -40°C to +65°C
Wiring/Terminations: -

PLEASE NOTE: UV-C light can cause temporary or permanent loss of vision, and temporary acute redness or ulceration (mild to severe sunburn) to exposed skin. To prevent exposure, do not operate the device in any application that allows UV-C light to be visible during operation. NEVER LOOK DIRECTLY AT THE BULB OR DISINFECTING TARGET ZONE. DO NOT touch bulb with bare hands. The oils in your skin will damage the lamp. Fingerprints will result in reduced performance and significantly reduce the lifespan of the lamp unless they are removed with alcohol. Please read instruction manual for UV safety requirements before operating.

Listings/Ratings

70% Radiant Retention after 5,000 Hours

Special Orders - Special Requirements

Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
Fax: 1-903-498-3364
E-mail: sales@larsonelectronics.com

Buy American Compliant

The Larson Electronics IND-RBK-6-IPS-LED-UVC is a Low Voltage Ultraviolet LED Board and Driver that can be used in custom projects. This 1W LED board and driver produces 1750 mW radiant intensity, operates on 12 V or 24 V DC, and is suitable for general area locations.

Please note: This product produces UV light. Make sure to follow all safety guidelines and protocols found in the user manual. UVC light in the proper setting kills up to 99.9% of viruses, mold, spores, and bacteria. Click here to learn more about UVC and the corona virus*

The IND-RBK-6-IPS-LED-UVC is designed to provide a component for custom projects or builds for applications where ultraviolet light is needed. This low voltage UV LED board emits light in the ultraviolet spectrum. This 280NM LED light board and driver can be operated on either 12 or 24 volt DC current.

The IND-RBK-6-IPS-LED-UVC uses LED light technology, a technology that is far better in energy saving than traditional fluorescent bulbs used for the same purposes. Traditional ultraviolet lights require a coating to block out visible light or a special composition of gases and chemicals used to create a higher

concentration of ultraviolet light. This process, however, also produces many other wavelengths of light which go unused and end up as wasted energy. LED lights are unique in that they have a narrower wavelength band than traditional ultraviolet sources and therefore do not require these special coatings. As a result, LED lights do not produce unused, wasted light and therefore consume less energy than traditional UV lights on the market. LED lights have the added benefit of being capable of producing very specific wavelengths with tighter curves and are more durable and lightweight as well.

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.

This ultraviolet light fixture can be used for custom builds to be used for non-destructive testing in aviation and manufacturing, food processing and inspection, and in paint, coating, and adhesive curing.

Ultraviolet Wavelength: Ultraviolet C Wavelength produces a short wave between the 200nm - 280nm spectrum. This LED light has a peak wavelength of 280NM.

Wiring/Power: This light is universal voltage capable and operates on AC/DC voltages from 11-25 Volts.

Note on Environment: Sunlight and visible light fixtures do not impact the effectiveness of the disinfecting on this UVC sanitation product. Metal halide, high pressure sodium, fluorescent, and LED light fixtures can be left on. The UV radiation emitted from this product is not disrupted by any type of lighting in the environment. Put simply, NO it DOES NOT need to be dark in the area you plan to disinfect. The UV radiation is harmful to the eyes and skin, and that is why you should not be in the area while it is in operation. Please see user manual for additional safety information.

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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Product ID: 270445

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

IND-RBK-6-IPS-LED-UVC-Voltage

Example: IND-RBK-6-IPS-LED-UVC-12V

Voltage	
12V	-12V
24V	-24V

Links (Click on the below items to view):

- **Eye Safety Information/Certificate**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**