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LEDP5W-30XC-STRB

150W High Intensity Strobe Colored LED Light - 30 LEDs - Multi Color Options - IP68

Product ID: 150703

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.

LEDP5W-30XC-STRB High Output LED Strobe Light

Lamp Type: CREE XLamp-XPG® LED

Dimensions: -

Voltage: 12V or 24V DC
Watts: 150W

Amps: 7.5A @ 12V

Lumens: 14,790 (White)

LED Life Expectancy: 50,000 hours

Lighting Configuration: Strobe
LED Light Color: White, Red, Amber, Blue or Green

Materials: Aluminum Housing, Polycarbonate Lens

Mounting: Flat Surface 360 Degree Adjustable

Wiring: Deutsch IPD/LADD DT04-2P Connector

Internal LED Driver Features

Automatic Current Sensing and Adjusting 9-32V DC

Active Heat Management

Ambient Op Temp -40C to +80C
IP68 Tested to 3 Meters

Special Orders - Special Requirements

Contact us for special requirements

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Buy American Compliant

The LEDP5W-30XC-STRB High Intensity Strobe Colored LED Light is a powerful strobing solution for remote locations, outdoor spaces and commercial aviation. This low voltage LED unit consumes 150 watts during operation. Constructed of aluminum, the IP68-rated unit is offered in the following colors: white, red, amber, blue or green.

The LEDP5W-30XC-STRB is a colored LED strobe light for outdoor locations,

including commercial aviation and construction sites. This 150-watt unit operates on 12V or 24V DC low voltage. During operation, the LED strobe lamp produces 14,790 lumens of high intensity light. Thirty CREE XLamp XPG® LEDs producing 301 lumens each are paired with high purity optics, which is ideal for providing far reaching concentrated illumination while still covering a substantial amount of area.

The colored LED strobe light is constructed of aluminum, with a polycarbonate lens. The CREE XLamp XPG® LEDs help these units achieve 15.6Grms rated resistance to vibrations and are rated at 70% lumen maintenance after 50,000 hours of use. We recommend these IP68-rated LED strobe lights for use in applications where a lot of vibration, dust, dirt, dampness and abusive working conditions are encountered.

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 90% 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.

PWM Control: The pulse width modulation drivers in this unit also provide secondary benefits through the ability to automatically monitor and adjust input current to maintain the correct LED voltage levels regardless of input levels across a specific range. The LEDP5W-30XC-STRB can operate on current ranging from 12V to 24V DC without any modifications necessary as a result. This ability to sense and adjust input current also provides protection against voltage spikes and drops that can occur in vehicle electrical systems which would otherwise result in burning up or premature LED failure without it.

Wiring/Mounting: This LED strobe light comes with a Deutsch IPD/LADD DT04-2P connector for low voltage power connection. The unit is equipped with an innovative trunnion style mounting bracket that allows the light to be attached to flat surfaces and adjusted 360 degrees of vertical movement. To adjust the unit after mounting, the user simply loosens the thumb screws located on either side of the unit, moves it into the desired position, then retightens the screws. The base of the mounting trunnion is equipped with several machined slots which allow users to utilize existing mounting holes and slide the unit for precise mount positioning.

Applications: Aviation, remote lighting, outdoor safety, construction sites, signaling, outdoor 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.

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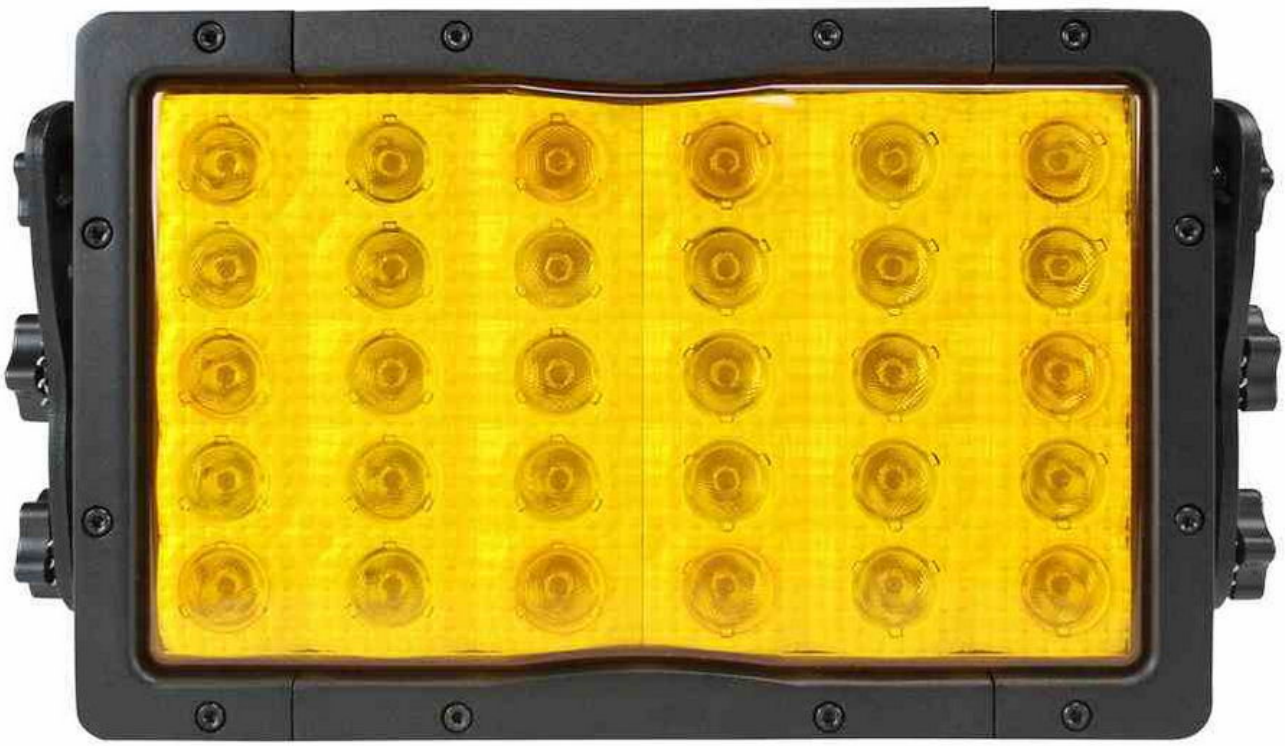
Frequently Asked Questions (FAQ)









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LEDP5W-30XC-STRB

Product ID: 150703

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

LEDP5W-30XC-STRB-Voltage-Light Color

Example: LEDP5W-30XC-STRB-12V-RED

Voltage	
12V DC	-12V
18-65V DC	-18.65V

Light Color	
RED	-RED
AMBER	-AMBER
BLUE	-BLUE
GREEN	-GREEN
WHITE	-WHITE

Links (Click on the below items to view):

- CE Certificate
- Dimensional Drawing 2D
- MSDS (Material Safety Data Sheet
- Operations Manual
- RoHS Certificate (Restriction of Hazardous Substances)
- STEP File (3D CAD Model)
- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- Video1
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map