

### PRODUCT DESCRIPTION

PL-BAR series is our high-power bar light for machine vision applications. The light comes in different lengths, colors, and lens configurations for maximum flexibility when trying to illuminate your object of interest. With its high brightness and uniform light output, the PL-BAR series is ideal for enhancing image quality and improving the accuracy of machine vision systems. Thanks to its many mounting points, the lights are easy to install and can be adjusted to any angle, making them perfect for a variety of applications. The unibody aluminum design of the PL-BAR series adds to its durability and reliability, ensuring long-lasting performance. Whether you're working with small or large objects, the PL-BAR series has the flexibility and power to provide the illumination you need for your machine vision system.

### PRODUCT SPECIFICATIONS

#### PL-BAR-3x35

Wave length	white (full spectrum), IR , Red, Green, Blue <sup>1</sup>
Electrical input:	24VDC +/-5%
Input Current	3A continuous/ 7.5 A strobe <sup>2</sup>
Wattage	Max. 72 W continuous/ 180W strobe
Connection	2 wire flying lead/4 pin M12 connector
Ambient Temperature	0° - 40°C
IP Rating	IP50
Weight	~ 1300g
Compliances	RoHS, IEC 62471
Warranty	1 years <sup>3</sup>

<sup>1</sup> Spectrum detailed specification: IR >800nm, Red 612-630 nm, Green 513-545 nm, Blue 450-480 nm. For any other wave lengths contact manufacturer at [info@pltech.si](mailto:info@pltech.si)

<sup>2</sup> Strobe should not exceed 150ms at 50% duty cycle

<sup>3</sup> See [pltech.si/warranty](http://pltech.si/warranty) for details

### WIRING CONFIGURATION

#### Connector model:



Pins	Function	Signal	Wire Color
1	Power In	+24 VDC	Brown
2	NC	NC	White
3	GND	Ground	Blue
4	NC	NC	Black

\*Pre-wired models use same color coding.

## LENS OPTIONS

**NARROW**

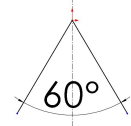
Narrow 15° cone lenses for perfect illumination at long working distances

**WIDE**

Wide 35° cone lenses offer good balance between light intensity and working distance

**XWIDE**

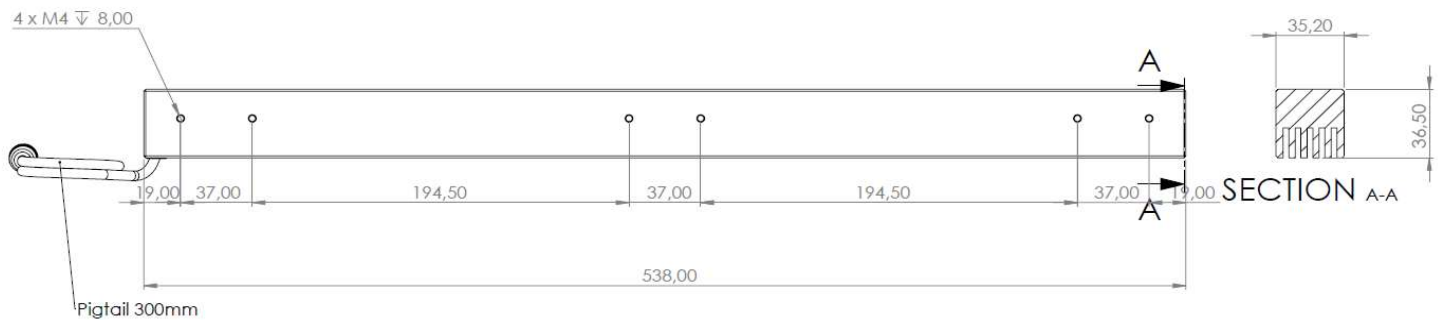
Extra wide 60° cone lenses provide superb illumination even at very short working distances

**LINE**

Elliptical lenses with a 15° x 50° cone of illumination project a narrow beam for "linescan" applications



## TECHNICAL DRAWINGS



For cad models visit [www.pltech.si](http://www.pltech.si)