

INDUSTRIAL MACHINE VISION LIGHTS

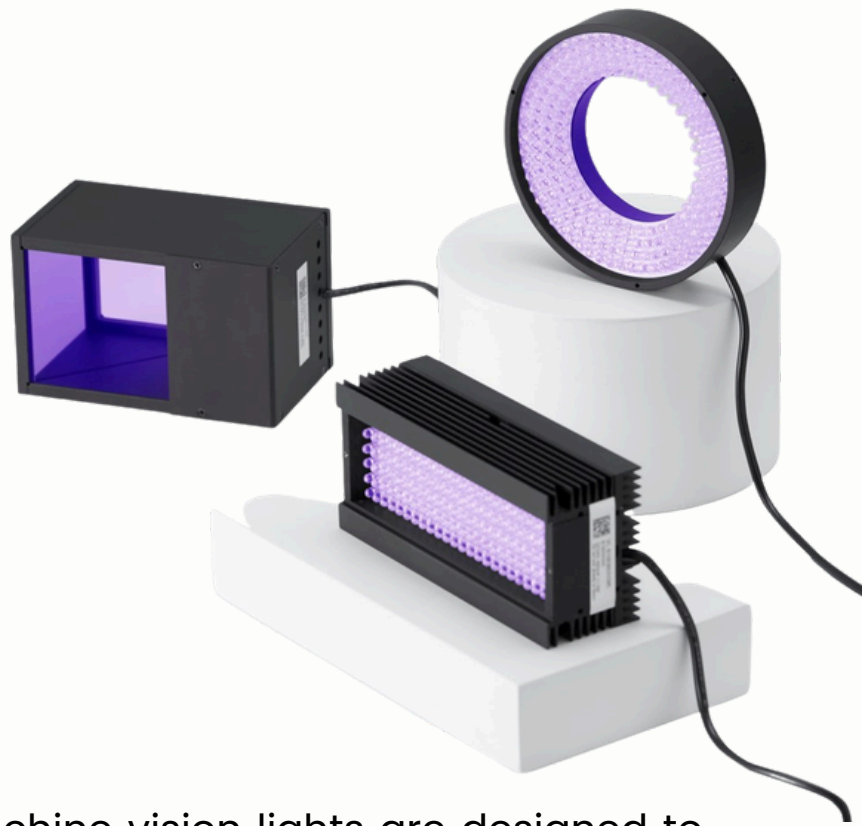


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"Illuminate the Path to Precision: Unleash the Power of Industrial Machine Vision Lights"



Our cutting-edge industrial machine vision lights are designed to illuminate the smallest details, ensuring flawless results and maximum efficiency.

With our extensive range of specialized lights, including line scan, ring, and high-intensity options, you can:

- Enhance image quality and accuracy
- Boost production speed and reliability
- Reduce errors and defects
- Improve overall product quality

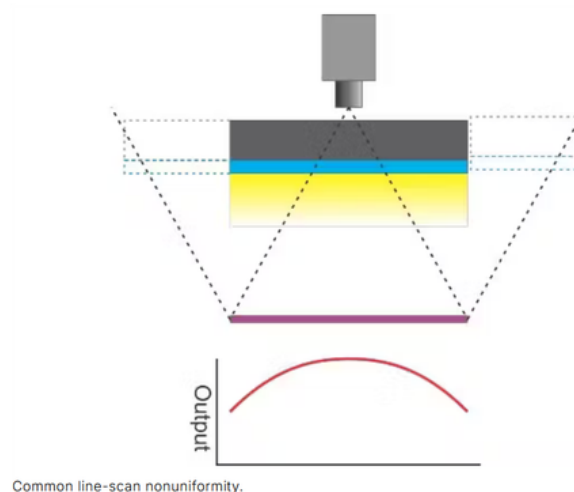
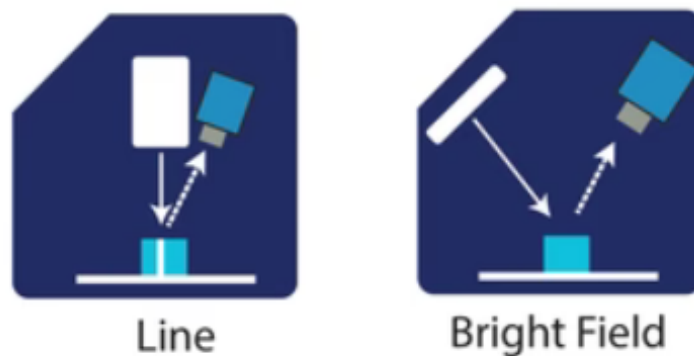
LINE-TYPE HIGH-BRIGHTNESS LIGHTS

PS-LNK SERIES



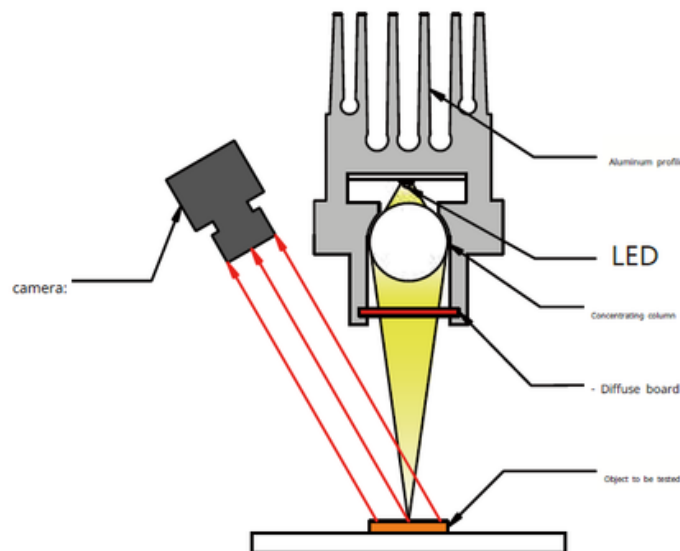
The PS-LNK series is a high-brightness linear light source that uses high-efficiency LED arrays to produce uniform and intense illumination. By combining a lens group and optical diffusion film, the light output is both even and soft.

The outer shell is made of integrated aluminum alloy with enhanced heat dissipation fins, allowing for efficient cooling even under high-power LED usage. This makes the PS-LNK series ideal for demanding machine vision lighting applications.



When and how to use Line-Type High-Brightness Lights

Line-Type High-Brightness Lights are ideal for applications requiring uniform, elongated illumination over wide or narrow inspection areas. These lights are most effectively used in machine vision systems for inspecting flat, reflective, or large-scale surfaces—such as glass, PCBs, film, sheet metal, or packaging materials. They are especially suitable for detecting scratches, edges, print defects, or positioning marks along linear paths. These lights should be positioned parallel to the object surface to maximize coverage and reduce glare. Often paired with diffusion plates or optical filters, they enhance contrast and eliminate shadows, enabling high-speed, high-precision image processing. Line lights are commonly used in conveyor-based inspection setups, where synchronized triggering with the camera ensures consistent illumination during fast object movement.



LINE-TYPE HIGH-BRIGHTNESS LIGHTS PS-LNK SERIES

FEATURES

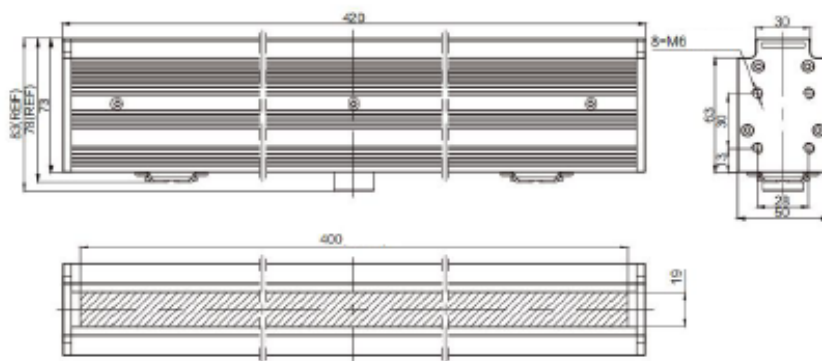
- High-brightness, high-density LED array
- Optional diffusion plates and optical films with different transmittance levels to enhance uniformity
- Modular interface, multiple mounting options for easier installation and flexible design
- Integrated aluminium housing design with excellent heat dissipation
- Length can be customised and cut as required

APPLICATION

- Appearance inspection of large-sized products
- Packaging position and sealing inspection
- Surface defect detection for large-sized flat materials
- Inspection of glass, paper, and thin film materials
- Illumination for surface scratches, printing, etching, edges, and contour analysis

LINE-TYPE HIGH-BRIGHTNESS LIGHTS

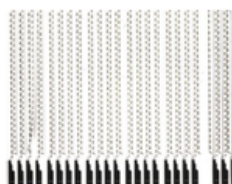
PS-LNK SERIES



TECHNICAL INDEX

Color (Wavelength)	Red: 620-630nm	Blue: 465-470nm
	White Color Temperature 6600-7000K	UV: 365-395nm
Operating environment	Temperature: 0~50°C Humidity: 20-85% RH (non-condensing)	
Brightness	250,000 LUX – 1,300,000 LUX	
Lifetime	Theoretical life: 100,000 hours Actual usage: 3,000-50,000 hours (varies with environment, non-guaranteed)	
Compatible Controller	Analog Controller, Digital Controller, Constant Current Controller	
Optional Accessory	Light sources and Lens Adapter.	
	Diffusion Plate, Polarizing Plate (Optical Transmittance: 60%, 70%, 80%, 90%)	
	Extension Cable: 1m/2m/5m/10m/15m (Two kinds of materials of the shell of wire; PVC of hardness; silicon of softness)	
Warranty	One year warranty, technical support (Buyers pay for the freight)	

IMAGING EXAMPLE



LED Defect detection



Glass scratch detection



Mobile phone Blue film detection



OCR detection

LINE-TYPE HIGH-BRIGHTNESS LIGHTS

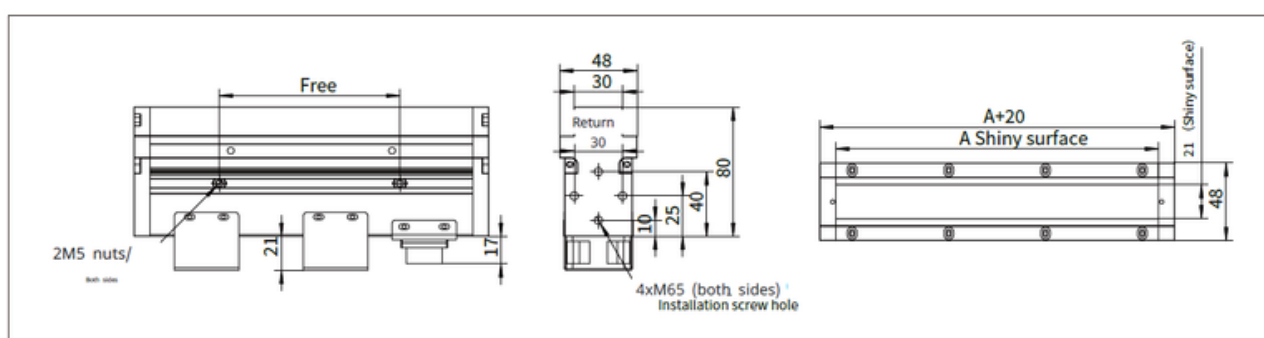
PS-LNK SERIES

Light Source Parameter Table

Model	Color	Type	Power(W)		Dimensions(mm)		Row Count
			Output (Green/White/UV)	Output (Red/Infrared)	Light Length (mm)	Light Width (mm)	
PS-LNK-100		Linear High-Brightness Light	36W	12W	100	20	1
PS-LNK-200		Linear High-Brightness Light	50.4W	24.1W	200	20	1
PS-LNK-300		Linear High-Brightness Light	84W	35.2W	300	20	1
PS-LNK-450		Linear High-Brightness Light	124.8W	72.6W	450	20	1
PS-LNK-500		Linear High-Brightness Light	134.4W	75.4W	500	20	1
PS-LNK-600		Linear High-Brightness Light	163.2W	78.7W	600	20	1
PS-LNK-800		Linear High-Brightness Light	168W	94.2W	800	20	1
PS-LNK-1000		Linear High-Brightness Light	187.2W	110.3W	1000	20	1
PS-LNK-1500		Linear High-Brightness Light	374.5W	175.8W	1500	20	1
PS-LNK-2000		Linear High-Brightness Light	370.6W	232.5W	2000	20	1

Note: This product supports 4-color modes. If your diffusion area exceeds 50mm or length exceeds 1 meter, a custom solution is recommended. Please contact us for confirmation.

TECHNICAL DIAGRAM



CONTACT DETAILS

You can also contact us over email / phone, we will be happy to support you.

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