

INDUSTRIAL MACHINE VISION LIGHTS

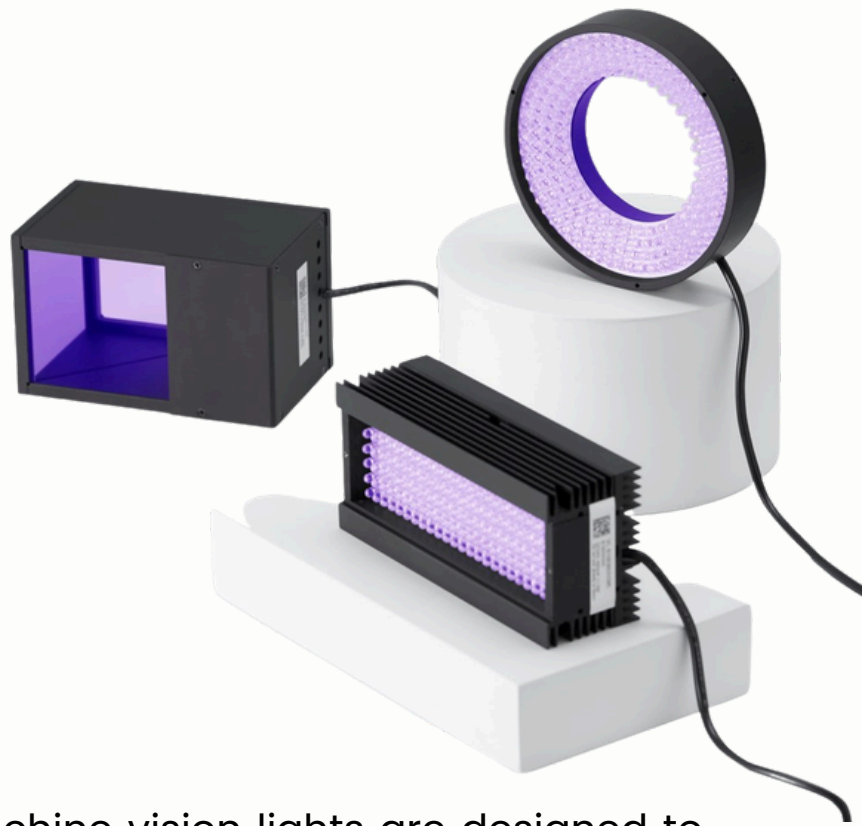


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"Illuminate the Path to Precision: Unleash the Power of Industrial Machine Vision Lights"



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:

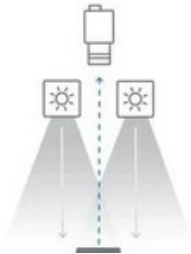
- Enhance image quality and accuracy
- Boost production speed and reliability
- Reduce errors and defects
- Improve overall product quality

BAR LIGHTS



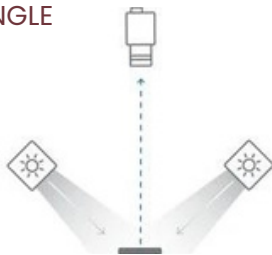
Bar Lights offer both bright field and dark field illumination, depending on angle of incidence with respect to the object of interest. Because of the variety of lengths available, bar lights are useful for large area illumination when used in opposing pairs or in a picture frame mounting orientation. They can also be used in replacement of Spot or Ring Lights when greater intensity is required.

BRIGHT FIELD ILLUMINATION



By using a bar light as incident light, direct illumination causes reflections on the surface of the object being examined.

LOW ANGLE



Using bar lights at a flat angle enables a contrast to be created at the edges, which allows slight illumination of the surface.

DARK FIELD ILLUMINATION



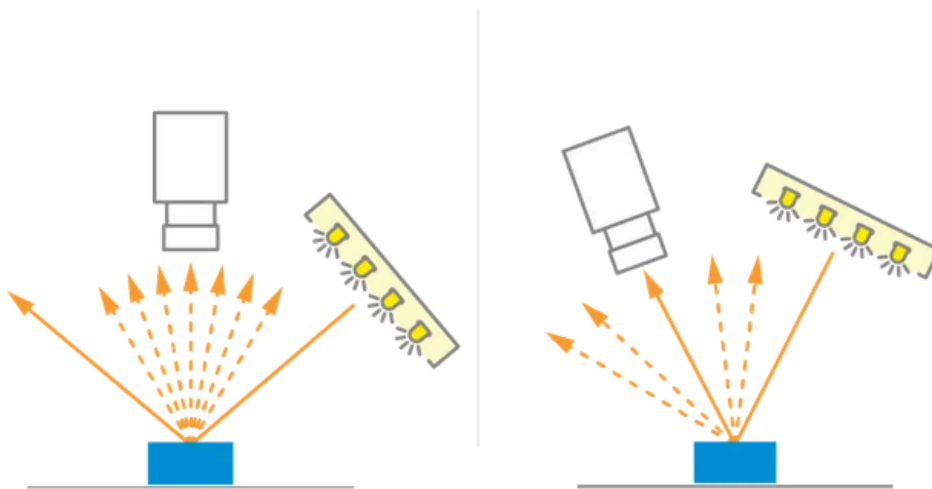
Positioned as a flat aligned illumination, the bar light highlights edges strongly while hardly any light falls on the surface.

When and how to use bar lights

Bar lights produce a narrow strip of light useful for inspecting long, thin workpieces or highlighting the edges of an object.

Depending on the requirements, the specular reflections of an object ("specular highlights") can be intensified or attenuated with beam illumination. This is also referred to as a bright field or dark field configuration.

Application example: These very versatile lights can be used for many applications, including character recognition or quality inspection on long, thin workpieces.



BAR LIGHTS

PS-BR Series

High-intensity bar lights are paired with a high-density LED array. The housings are constructed from an aluminum-magnesium alloy and feature multiple heat sinks to ensure stable operation of the bright LEDs. This design also allows for more convenient and flexible installation.

FEATURES

- High brightness, high density LED array
- Diffuse board is optional, increase the uniformity of lights
- Use wave-soldering technology, nuts on the back can move any distance, make the installation easier.
- Mold is designed in form, available be cut in any dimensions
- Good heat dissipation

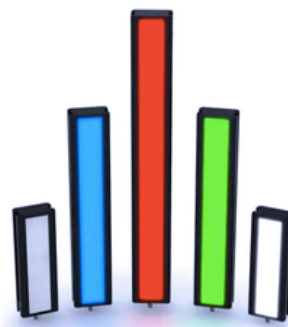
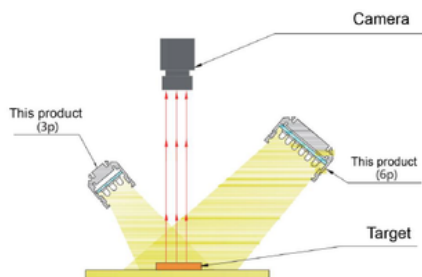
APPLICATION

- Inspect the general appearance of huge products
- Inspect the package defects
- Inspect the defects of large size LCD panels
- Inspect the flatness & the true position of connector
- Inspect the surface scratches, marks, breakages, margins, etc.

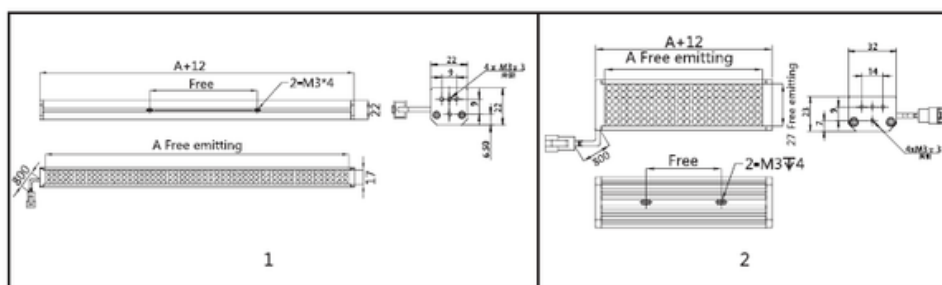
PS-BR Series



ILLUMINATION CONSTRUCTURE



INSTALLATION DIAGRAM



TECHNICAL INDEX

Color (Wavelength)	Red: 620-630nm	Green: 525-530nm	Blue: 465-470nm
	White Color Temperature 6600-7000K	UV: 365-395nm	IR: 850/940nm
Operating environment	Temperature: 0 to 50 C, Humidity: 20% to 85% RH		
Lifetime	100,000 Hours theoretical service time (Depends on the operating environment, not a guarantee.		
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)		



BAR LIGHTS

PS-BR Series

Light parameters (Voltage is 24V)

Model	Color	Power(W)		Dimensions(mm)		Quantity Of rows
		 Output	   Output	Emitting Length A	Emitting Width	
PS-BR2710	   	0.42W	0.5W	27	10	2
PS-BR3410	   	0.52W	0.6W	34	10	2
PS-BR5317	   	0.87W	1.32W	53	17	3
PS-BR6217	   	1.02W	1.54W	62	17	3
PS-BR8017	   	1.31W	1.98W	80	17	3
PS-BR9017	   	1.45W	2.2W	90	17	3
PS- BR9817	   	1.6W	2.42W	98	17	3
PS-BR13217	   	2.18W	3.3W	132	17	3
PS-BR15017	   	2.47W	3.74W	150	17	3
PS-BR18517	   	3.05W	4.62W	185	17	3
PS-BR20317	   	3.34W	5.06W	203	17	3
PS-BR24817	   	4.06W	6.16W	248	17	3
PS-BR28217	   	4.64W	7.04W	282	17	3
PS-BR30017	   	4.9W	7.48W	300	17	3
PS-BR350217	   	5.8W	8.8W	352	17	3
PS-BR40017	   	6.5W	9.86W	396	17	3
PS-BR60017	   	9.84W	14.92W	600	17	3
PS-BR80017	   	13W	19.72W	801	17	3
PS-BR100017	   	16.3W	24.78W	1004	17	3
PS-BR150517	   	24.4W	37.06W	1505	17	3

Model	Color	Power(W)		Dimensions(mm)		Quantity Of rows
		 Output	   Output	Emitting Length A	Emitting Width	
PS-BR5027	   	1.31W	2.9W	50	27	6
PS-BR7027	   	1.89W	3.6W	70	27	6
PS-BR8027	   	2.1W	4.1W	80	27	6
PS-BR9827	   	2.61W	4.56W	98	27	6
PS-BR12027	   	3.5W	4.75W	120	27	6
PS-BR15027	   	4.06W	6.16W	148	27	6
PS-BR20027	   	5.37W	8.14W	200	27	6
PS-BRXG30027	   	7.98W	12.1W	300	27	6
PS-BRXG35027	   	9.29W	14.08W	350	27	6
PS-BRXG40027	   	10.59W	16.06W	400	27	6
PS-BRXG45027	   	12.33W	18.7W	450	27	6
PS-BRXG50027	   	13.2W	20W	500	27	6
PS-BRXG60027	   	15.96W	24.24W	600	27	6
PS-BRXG80027	   	22.2W	33.22W	800	27	6
PS-BRXG100027	   	27.57W	42.2W	1000	27	6
PS-BRXG5038	   	2.1W	2.82W	50	32	7
PS-BRXG8038	   	3.40 W	3.08 W	80	32	7
PS-BRXG10038	   	4.33W	3.22W	100	32	7
PS-BRXG12038	   	5.25W	3.87W	120	32	7
PS-BRXG15038	   	6.62W	4.21W	150	32	7
PS-BRXG18038	   	7.23W	5.13W	180	32	7
PS-BRXG20038	   	9.32W	5.92W	200	32	7
PS-BRXG25038	   	12.21W	6.76W	250	32	7
PS-BRXG30038	   	14.42W	8.23W	300	32	7
PS-BRXG41038	   	19.2W	12.38W	410	32	7
PS-BRXG50038	   	23.42W	16.74W	500	32	7
PS-BRXG60038	   	46.72W	27.23W	600	32	7
PS-BRXG80038	   	37.47W	24.3W	800	32	7
PS-BRXG100038	   	46.72W	30.28W	1000	32	7

CONTACT DETAILS

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

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