

POMEAS Point Illumination Series:

Point light has the advantages of high brightness and small luminous area.



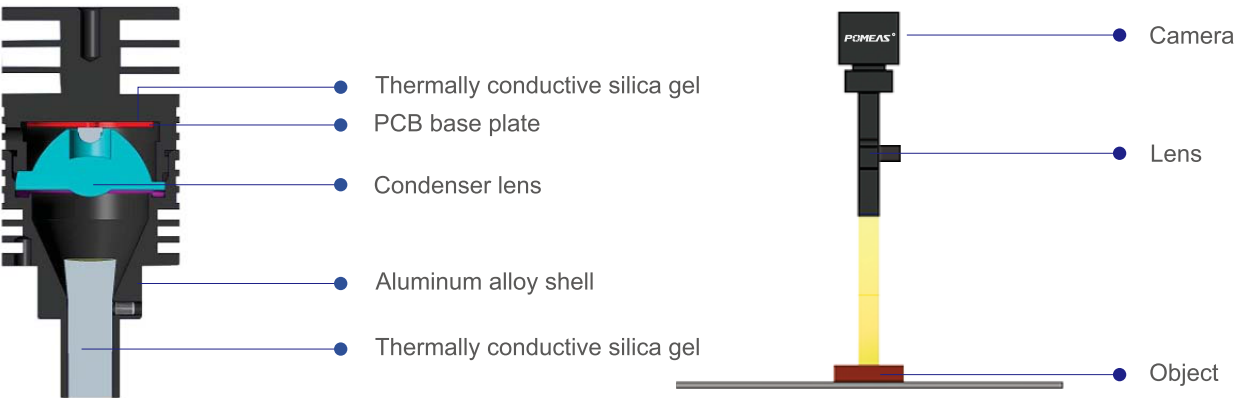
Product Advantages

Point light source has the advantages of high brightness and small luminous area. Point light source with the diameter of 8mm or 9mm at the top and 6mm at the luminous surface can be used alone in the machine vision system, and can also be used with the micro lens or telecentric lens with coaxial function.

Application Fields

- ◆ Detection of micro components.
- ◆ Used with micro lens.
- ◆ Suitable for vision system with small installation space.
- ◆ Used with LED crystal fixing machine.

Illumination Structure



Point Illumination		Product Parameter				
Peak Wavelength	Red: 620-630nm 645-660nm	Green: 525nm	Blue: 470nm	White(CT) : 6500K(Temperature)	IR: 850-950nm	UV: 365-395nm
Controller	PMS-PI2404-4-RS232T					
Environment Temperature	Temperature:0-40℃ ; Humidity: 20-85%RH(Non-condensing)					
Optional	Diffuser plate (A few available) Extended line (Optional, Standard length 0.5m)					
Expected Service Life	When the ambient temperature is 25℃, the white light works continuously at 50% brightness for more than 30000h (When attenuation 50%)					
Product Advantage	All products are delivered with one-year standard free technical support, and can be customized according to the characteristics of the measured object, working distance, illumination angle, color and field of view according to customer requirements.					

Point Illumination		Product Model & Specification					
Ex-Diameter		Model	Diameter	Color	Voltage	Power	CT/Wavelength
Small		PMS-GPI-0801R/W/B	Ø8mm	Red	5V	1W	625nm
			Ø8mm	White	5V	1W	6500k
			Ø8mm	Blue	5V	1W	470nm
Large		PMS-GPI-0803R/W/B	Ø8mm	Red	5V	3W	625nm
			Ø8mm	White	5V	3W	6500k
			Ø8mm	Blue	5V	3W	470nm

Point Illumination

Product Dimensional Drawing

PMS-GPI-0801R/W/B

Technical drawing of the PMS-GPI-0801R/W/B LED module. The drawing includes a side view and two end views. The side view shows a module with a total length of 50, a mounting tab width of 12 (tolerance $-0.08/-0.05$), and a main body width of 30. The mounting tab has a diameter of $\phi 8$ (tolerance $-0.08/-0.15$) and a height of 14. The main body has a diameter of $\phi 24$. The module is labeled "PMS". A cable with a length of 500 is shown attached to the bottom. The end views show a central hole with a diameter of $\phi 6$ (labeled "Light Area") and an outer hole with a diameter of $\phi 24$. The left end view also shows an M3 hole with a depth of 5.

PMS-GPI-0803R/W/B

Technical drawing of the PMS-GPI-0803R/W/B LED module. The drawing includes a side view and two end views. The side view shows a module with a total length of 59, a mounting tab width of 12 (tolerance $-0.08/-0.05$), and a main body width of 39. The mounting tab has a diameter of $\phi 8$ (tolerance $-0.08/-0.15$) and a height of 14. The main body has a diameter of $\phi 24$. The module is labeled "PMS". A cable with a length of 500 is shown attached to the bottom. The end views show a central hole with a diameter of $\phi 6$ (labeled "Light Area") and an outer hole with a diameter of $\phi 24$. The left end view also shows an M3 hole with a depth of 5.