

POMEAS Dome Illumination Series:

Dome light source is suitable for objects with undulating and reflective surfaces.



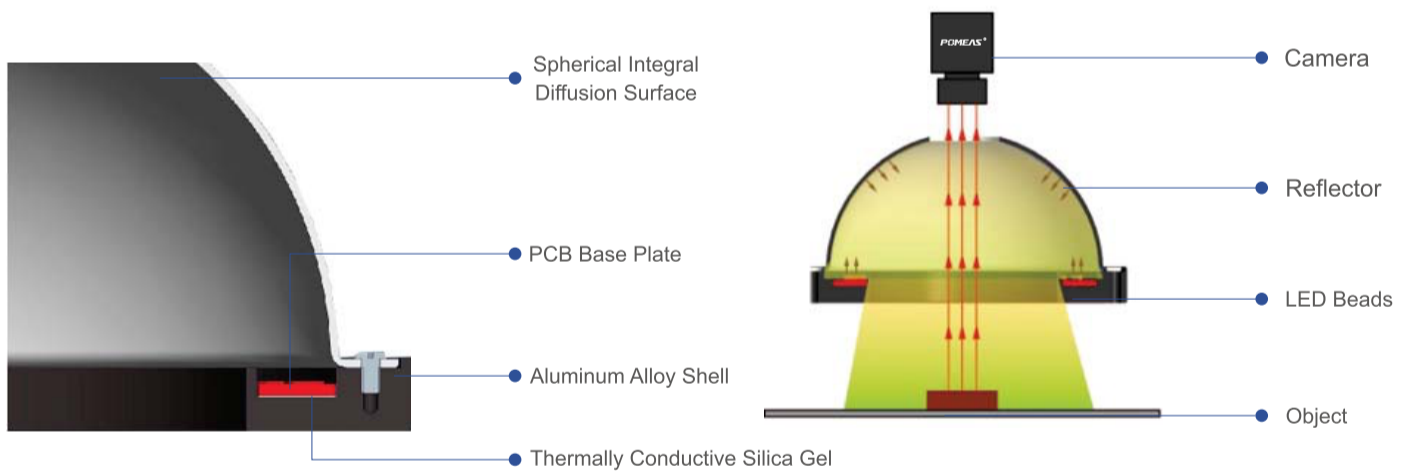
Product Advantages

Dome light is a diffuse reflection shadow free illumination. The light emitted by the LED arranged after the structure optimization is diffused by the spherical surface, and is smoothly and evenly irradiated on the surface of the measured object. This series of illumination have a large light diffusion surface, and can be uniformly irradiated on the measured object in all directions. Suitable for undulating surfaces Reflective objects, even curved metal surfaces, can be uniformly irradiated.

Application Fields

- ◆ Detection of reflective and uneven surface.
- ◆ Detection of IC surface characters.
- ◆ Detection of capacitor surface damage.
- Detection of instrument panel with glass surface.
- Detection of uneven capacitor polarity on circuit board.

Illumination Structure



| Dome 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°C ; 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°C, 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. | | | | | |

| Dome Illumination | | Product Model & Specification | | | |
|-------------------|---------------------|-------------------------------|---------|-------|---------------|
| Beam Diameter | Model | Power | Voltage | Color | CT/Wavelength |
| Small | PMS-GR-70-H15R/W/B | 1.8W | 24V | Red | 625nm |
| | | 2.6W | 24V | White | 6500k |
| | | 2.6W | 24V | Blue | 470nm |
| | PMS-GR-116-H25R/W/B | 7W | 24V | Red | 625nm |
| | | 9.7W | 24V | White | 6500k |
| | | 9.7W | 24V | Blue | 470nm |
| | PMS-GR-175-H35R/W/B | 9W | 24V | Red | 625nm |
| | | 12W | 24V | White | 6500k |
| | | 12W | 24V | Blue | 470nm |
| Large | PMS-GR-198-H30R/W/B | 12W | 24V | Red | 625nm |
| | | 15W | 24V | White | 6500k |
| | | 15W | 24V | Blue | 470nm |
| | PMS-GR-260-H48R/W/B | 14W | 24V | Red | 625nm |
| | | 17W | 24V | White | 6500k |
| | | 17W | 24V | Blue | 470nm |
| | PMS-GR-325-H50R/W/B | 29W | 24V | Red | 625nm |
| | | 36W | 24V | White | 6500k |
| | | 36W | 24V | Blue | 470nm |

| Dome Illumination | | Product Dimensional Drawing | |
|---------------------|---------------------|-----------------------------|--|
| PMS-GR-70-H15R/W/B | PMS-GR-116-H25R/W/B | PMS-GR-175-H35R/W/B | |
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| PMS-GR-198-H30R/W/B | PMS-GR-260-H48R/W/B | PMS-GR-325-H50R/W/B | |
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