# Dome Lights
# PDM series

## Provides diffused light evenly using a mechanism that combines a diffused lighting, coaxial lighting, and low-angle lighting

PDM-150-15GR2

PDM-150-15BL2

PDM-150-15SW2

PDM-150-15RD2

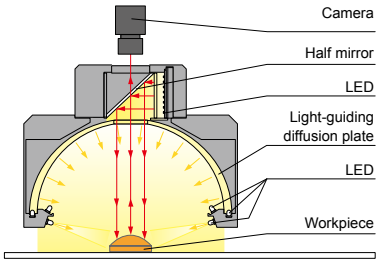
**Applications** Faulty plating inspection, inspection of a sealed target, inspection for foreign material attached to a glossy surface, character recognition and text inspection for glossy surfaces, dimension measuring for electronic parts, etc.

## Features

This Light Unit combines the three types: dome lighting, low-angle lighting, and coaxial lighting. It illuminates the workpiece with uniform diffused light.

We accept custom orders. Please feel free to inquire.
- Shape modifications
- Brightness increases
- Changes in wavelength, etc.

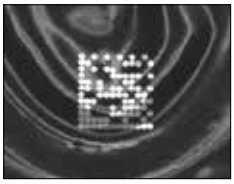
### Example configuration (PDM-150-15)




### Imaging example: 2-D code imaging

Workpiece: Contact lens package

■LED Ring Light



It is difficult to determine the 2-D code due to the glossy and wavy surface.

■PDM-150-15RD2

It is possible to determine the 2-D code by evenly illuminating the surface.

## Lineup

| Model name | LED color | Power consumption | Peak wavelength/ correlated color temperature | Options | Extension cables | Recommended Control Unit | Weight |
|---|---|---|---|---|---|---|---|
| PDM-150-15RD2 | Red | 24 V / 18 W | 630 nm | – | FCB*1 Straight Cable; FCB-F 4-branch Cable; FCB-W 2-branch Cable; FRCB Robot Cable | PD3 | 1,140 g |
| PDM-150-15SW2 | White | 24 V / 22 W | 5,500 K | | | | 1,170 g |
| PDM-150-15BL2 | Blue | | 470 nm | | | | 1,140 g |
| PDM-150-15GR2 | Green | | 525 nm | | | | |

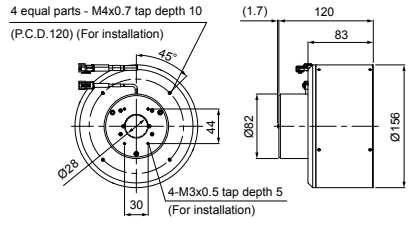
Use a 3-channel Control Unit.

LED Properties: Spectral Distribution ▶ P.290 | Extension Cables ▶ P.280 | Control Unit Selection Guide ▶ P.229 | List of Control Unit Specifications ▶ P.231

*1 The cables with a model name that ends with "-ME7" or "-EL2" are not included.

## Dimensions (mm)

PDM-150-15RD2/SW2/BL2/GR2




| Illumination part | Power consumption |
|---|---|
| Coaxial illumination part | Red: 3.1 W, White: 2.2 W, Blue/Green: 2.7 W |
| Dome illumination part | Red: 10.2 W, White: 14 W, Blue/Green: 13 W |
| Low-angle illumination part | Red: 4.6 W, White/Blue/Green: 6.1 W |

If adjusting the intensity for each part separately, use a 3-channel Control Unit.

You can change the connectors of the Light Unit cable. Choose between M12 connectors and flying leads. Refer to P.5 for details.