Dome Lights
PDM series

Refer to our website for product details.

CCS PDM ▶ Search

For quick access.

You can also use your smartphone or cell phone.

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.
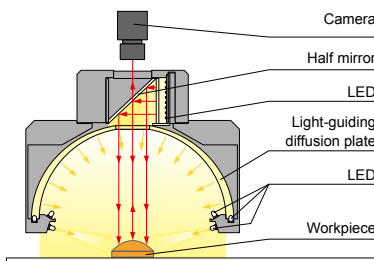
Features

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)

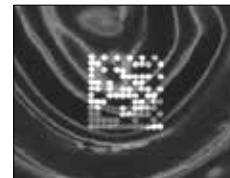Camera, Half mirror, LED, Light-guiding diffusion plate, LED, Workpiece

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	PD3	1,140 g
PDM-150-15SW2	White	24 V / 22 W	5,500 K					1,170 g
PDM-150-15BL2	Blue		470 nm		FCB-W 2-branch Cable	FRCB Robot Cable		1,140 g
PDM-150-15GR2	Green		525 nm					

Use a 3-channel Control Unit.

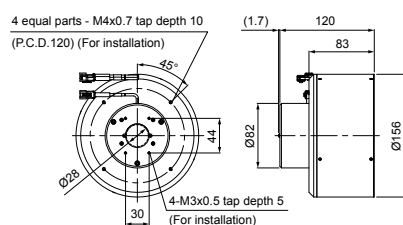LED Properties: Spectral Distribution ▶ P.290　Extension Cables ▶ P.280　Control Unit Selection Guide ▶ P.229　List of Control Unit Specifications ▶ P.231

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

Dimensions (mm)

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

4 equal parts - M4x0.7 tap depth 10 (P.C.D.120) (For installation)
4-M3x0.5 tap depth 5 (For installation)

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.

You can inquire using our website.

Requests for Light Unit Selection | Requests for Loan Products | Requests for Estimates | Requests for a Catalog | Product Inquiries | Other Inquiries

Inquire on our website here. http://www.ccs-grp.com/contact/

Diffused Lighting — Dome Lights

LDR2, LDR2-LA, LDR-LA1, SQR, SQR-TP, HPR2, LFR, LKR, FPR, FPQ2, LDL2, LDLB, HLDL2, HL, TH2 (5 types), TH, LFL, HPD2, LDM2, LAV, PDM, LFX3, LFX3-PT, LFX2, LFV3, MSU, MFU, PF, HLDR-IP/IQ/HSL-PCL, UV2, UV, LNSP-UV-FN, IR2, IU, HLV2, LV, LSP, HFS/HFR, HLV2-NR, HLV2-3M-RGB-3W, PFBR, PFB2, LNLP, LNSP2, LNSP, Coaxial Units, LNSP-FN, LN/LN-HK, LNSD, LND2, HLND, LT, LNV/HLDN, LNDG, LNIS, LNIS-FN, Telecentric Lens, Macro Lens

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