

# Dome Lights

## LAV series

Refer to our website for product details.

CCS LAV

Search



You can also use your smartphone or cell phone.

For quick access.

Provides diffused light evenly using a mechanism that combines a diffused lighting and a coaxial lighting

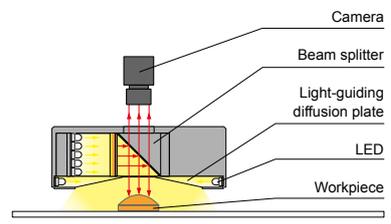


**Applications** Faulty plating inspection, inspection of a sealed target, inspection for foreign material attached to a glossy surface, character recognition and text inspection for glossy surfaces, dimension measuring for electronic parts, etc.

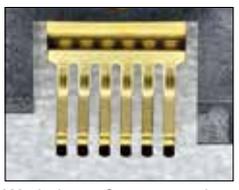
### Features

This Light Unit combines diffused lighting and a coaxial lighting. It can evenly perform uniform illumination for glossy, curved workpieces.

#### Example configuration (LAV-80)



#### Imaging example: Exterior imaging of a connector pin



Workpiece: Connector pin

We accept custom orders. Please feel free to inquire.

- Shape modifications
- Brightness increases
- Changes in wavelength, etc.

#### LED Ring Light



It is difficult to illuminate the whole thing evenly to form an image of the exterior.

#### LAV-80RD2



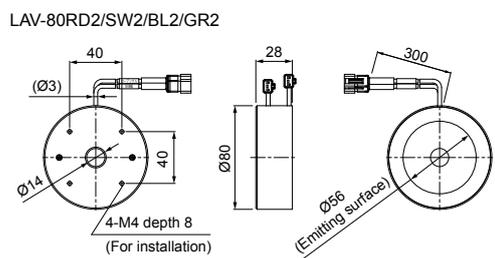
It is possible to illuminate the whole thing evenly to form an image of the exterior.

### Lineup

Model name	LED color	Power consumption	Peak wavelength/ correlated color temperature	Options	Extension cables	Recommended Control Units	Weight
LAV-80RD2	Red	24 V / 3.6 W	630 nm	-	FCB*2 Straight Cable	FCB-F 4-branch Cable	190 g
LAV-80SW2	White		5,500 K				
LAV-80BL2	Blue		470 nm				
LAV-80GR2	Green		525 nm				
		24 V / 5.0 W			FCB-W 2-branch Cable	FRCB Robot Cable	PD3, POD*1

Use a 2-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: For information on the combination of Light Units and POD-series Control Unit, please refer to our website. <http://www.ccs-grp.com/lnk/q/rod>  
 \*2 The cables with a model name that ends with "-ME7" or "-EL2" are not included.

### Dimensions (mm)



The emitting surface for the LAV-80SW2/BL2/GR2 is Ø54.

Illumination part	Power consumption
Coaxial illumination part	Red: 1.0 W White/Blue/Green: 1.6 W
Diffused illumination part	Red: 2.6 W White/Blue/Green: 3.4 W

If adjusting the intensity for each part separately, use a 2-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.

LDR2	Direct Lighting
LDR2-LA	Direct Lighting
LDR-LA1	Direct Lighting
SQR	Direct Lighting
SQR-TP	Direct Lighting
HPR2	Diffused Lighting
LFR	Diffused Lighting
LKR	Diffused Lighting
FPR	Diffused Lighting
FPQ2	Diffused Lighting
LDL2	Direct Lighting
LDLB	Direct Lighting
HLDL2	Direct Lighting
HL	Direct Lighting
TH2 (5 types)	Direct Lighting
TH	Direct Lighting
LFL	Direct Lighting
HPD2	Direct Lighting
LDM2	Direct Lighting
LAV	Diffused Lighting
PDM	Diffused Lighting
LFX3	Diffused Lighting
LFX3-PT	Diffused Lighting
LFX2	Diffused Lighting
LFV3	Diffused Lighting
MSU	Collimated Lighting
MFU	Collimated Lighting
PF	Strobe Lighting
HLDR-IP/ IQ/HSL-PCL	Water-proof
UV2	Ultraviolet Lighting
UV	Ultraviolet Lighting
LNSP-UV-FN	Ultraviolet Lighting
IR2	Infrared Lighting
IU	Intensity Control
HLV2	Spot Lighting, Etc.
LV	Spot Lighting, Etc.
LSP	Spot Lighting, Etc.
HFS/HFR	Spot Lighting, Etc.
HLV2-NR	Spot Lighting, Etc.
HLV2-3M-RGB-3W	Spot Lighting, Etc.
PFBR	Spot Lighting, Etc.
PFB2	Spot Lighting, Etc.
LNL2	Coaxial Units
LNSP2	Coaxial Units
LNSP	Coaxial Units
LNSP-FN	Coaxial Units
LN/LN-HK	Coaxial Units
LNSD	Convergent Lighting
LND2	Convergent Lighting
HLND	Convergent Lighting
LT	Diffused Lighting
LNV/HLND	Diffused Lighting
LNDG	Diffused Lighting
LNIS	Oblique Angled Lighting
LNIS-FN	Oblique Angled Lighting
Telecentric Lens	Lenses
Macro Lens	Lenses