Dome Lights
LAV series

Refer to our website for product details.
CCS LAV ▶ 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 and a coaxial lighting


LAV-80RD2


LAV-80SW2


LAV-80BL2


LAV-80GR2

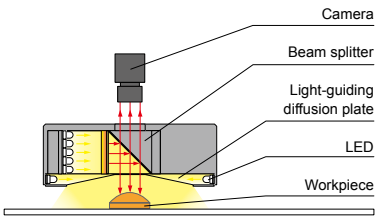
Applications Faulty plating inspection, inspection of a sealed target, inspection for foreign material attached to a glossy surface, character recognition and text inspection for glossy surfaces, dimension measuring for electronic parts, etc.

Features

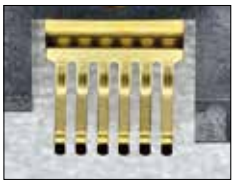
This Light Unit combines diffused lighting and a coaxial lighting.
It can evenly perform uniform illumination for glossy, curved workpieces.

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

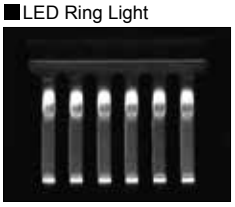
Example configuration (LAV-80)



Imaging example: Exterior imaging of a connector pin


Workpiece: Connector pin

■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

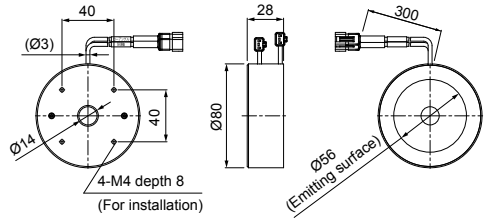
Model name	LED color	Power consumption	Peak wavelength/ correlated color temperature	Options	Extension cables	Recommended Control Units	Weight
LAV-80RD2	Red	24 V / 3.6 W	630 nm	–	FCB*2 Straight Cable / FCB-F 4-branch Cable / FCB-W 2-branch Cable / FRCB Robot Cable	PD3 / POD*1	190 g
LAV-80SW2	White	24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

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

Use a 2-channel Control Unit.
*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/qr/pod
*2 The cables with a model name that ends with "-ME7" or "-EL2" are not included.

Dimensions (mm)

LAV-80RD2/SW2/BL2/GR2



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.

Various technical documents available.
PDF Drawings | DXF Drawings | 3D CAD | Instruction Guides | Product Fliers | Imaging Samples | Data Sheets | Examples of Custom Ordered Products
Download here.
http://www.ccs-grp.com/dl/