

Ring Lights LKR series

Refer to our website for product details.

CCS LKR

Search



You can also use your smartphone or cell phone.

For quick access.

Provides diffused light from an angled emitting surface

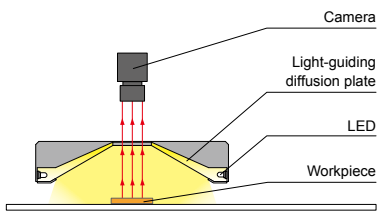


Applications Soldering inspection, parts identification with color, inspection for stains on glossy surfaces, character recognition on metal parts, dent inspection on metal parts, etc.

Features

LEDs embedded around a circular light-guiding diffusion plate. Uniformly diffused light from an emitting surface angled with respect to the workpiece.

Example configuration (LKR-125)



We accept custom orders. Please feel free to inquire.

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

Imaging example: Imaging of soldering at the cap of a light bulb



Workpiece: Light bulb



It is difficult to evenly illuminate the whole solder.



It is possible to evenly illuminate the whole solder, including the cap.

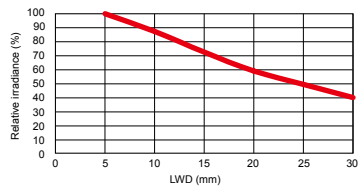
Data: Relative irradiance graph and uniformity (Representative example)

The data included is for reference only. Actual values may vary.

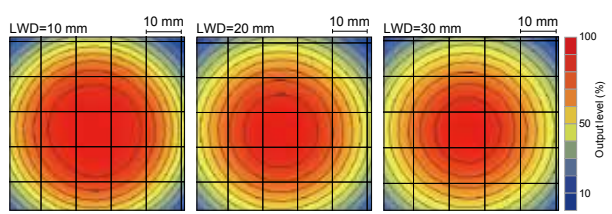
LKR-70RD2

Relative irradiance graph (LWD Characteristics)^{*1}

*1: Irradiance on the optical axis
*2: Illuminating distance from the Light Unit to the workpiece



Uniformity (Relative irradiance)



- Direct Lighting
 - 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
- Diffused Lighting
 - MSU
 - MFU
 - PF
 - HADR-IP/ IQ/HSL-PCL
 - UV2
 - UV
 - LNSP-UV-FN
 - IR2
 - IU
 - HLV2
 - LV
 - LSP
 - HFS/HFR
 - HLV2-NR
 - HLV2-3M-RGB-3W
 - PFB2
 - PFB2
 - LNLP
 - LNLP2
 - LNSP
 - Coaxial Units
 - LNSP-FN
 - LN/LN-HK
 - LNLD
 - LND2
 - HLND
 - LT
 - LN/HLDN
 - LNLDG
 - LNIS2
 - LNIS
 - LNIS-FN
- Convergent Lighting
 - Telecentric Lens
 - Macro Lens
- Spot Lighting, Etc.
 - LNLD
 - LND2
 - HLND
 - LT
 - LN/HLDN
 - LNLDG
 - LNIS2
 - LNIS
 - LNIS-FN
- Oblique-Angled Lighting
 - Telecentric Lens
 - Macro Lens
- Strobe Lighting
 - PF
- Water-proof Lighting
 - HADR-IP/ IQ/HSL-PCL
- Control Lighting
 - IR2
 - IU
- Colimated Lighting
 - MSU
 - MFU

Lineup

Model name	LED color	Power consumption	Peak wavelength/ correlated color temperature	Options	Extension cables	Recommended Control Units	Weight
LKR-70RD2	Red	24 V / 2.6 W	630 nm	-	FCB*2 Straight Cable FCB-W 2-branch Cable FCB-F 4-branch Cable FRCB Robot Cable *2 The cables with a model name that ends with "-ME7" or "-EL2" are not included.	PD3 CC-ST-1024 PSB POD*1	125 g
LKR-70SW2	White		5,500 K				130 g
LKR-70BL2	Blue	24 V / 3.8 W	470 nm				125 g
LKR-70GR2	Green		525 nm				140 g
LKR-70-8RD2	Red	24 V / 2.6 W	630 nm				
LKR-70-8SW2	White	24 V / 3.8 W	5,500 K				
LKR-70-8BL2	Blue		470 nm				
LKR-70-8GR2	Green		525 nm				
LKR-125RD2	Red		24 V / 4.6 W				
LKR-125SW2	White	24 V / 5.7 W	5,500 K				300 g
LKR-125BL2	Blue		470 nm				490 g
LKR-125GR2	Green		525 nm				

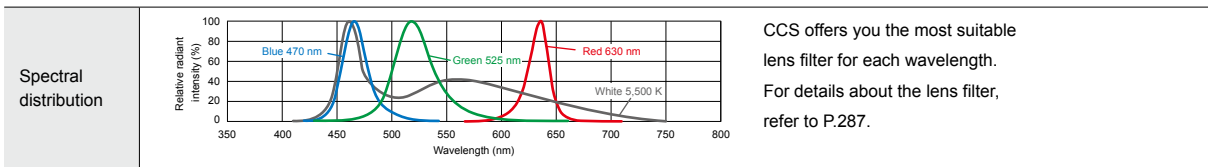
Extension Cables ▶ P.296

Control Unit Selection Guide ▶ P.243

List of Control Unit Specifications ▶ P.245

*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>

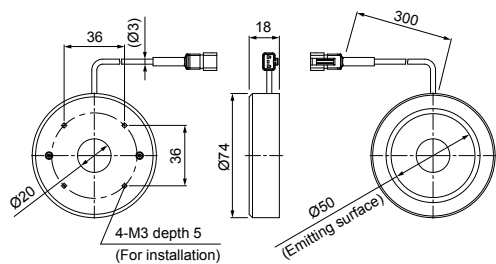
LED properties



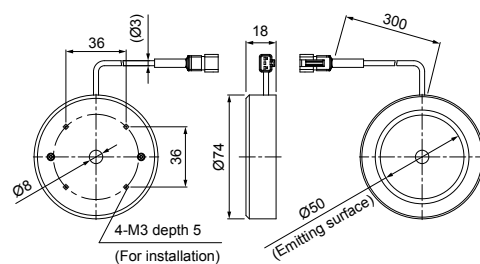
Be sure to read the "Instruction Guide" included with the product before use and follow the safety precautions upon use. The data included is for reference only. Actual values may vary.

Dimensions (mm)

LKR-70RD2/SW2/BL2/GR2

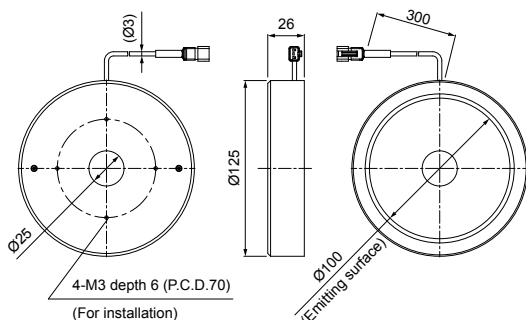


LKR-70-8RD2/SW2/BL2/GR2



The emitting surface for the LKR-70-8SW2/BL2/GR2 is Ø49.2.

LKR-125RD2/SW2/BL2/GR2



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/>