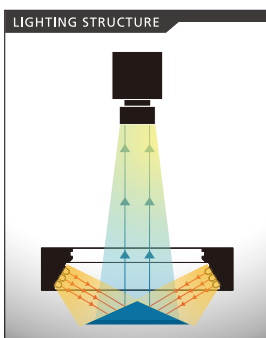


Direct Low Angle Irradiate Ring Illumination [IDR-LA Series]

Direct irradiate illumination from low angle directions
Ideal for scratch inspection and edge detection

24V DC Models Available

- Applications**
- Pharmaceutical industry etc.
 - ➔ Inspection of foreign object inside tablets/powders etc.
 - Semiconductor/Electronic components industry etc.
 - ➔ Chip component Dirt/Edge inspection etc.
 - Bearing/Mechanical parts industry etc.
 - ➔ Inspection & Recognition engraving / characters etc.



Standard Size Lineup Standard release in 7 sizes: $\phi 40$ / $\phi 50$ / $\phi 74$ / $\phi 100$ / $\phi 120$ / $\phi 140$ / $\phi 200$ mm

Imaging Example

Able to detect the chipping and contour of the object by illuminating from the entire circumference at a low angle.

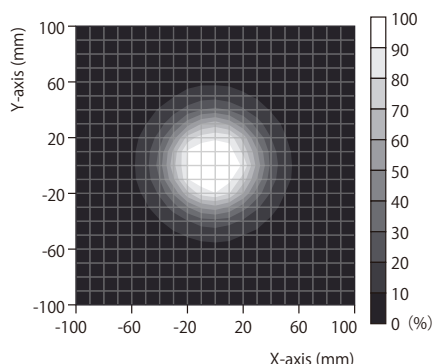


IDR-90/50B

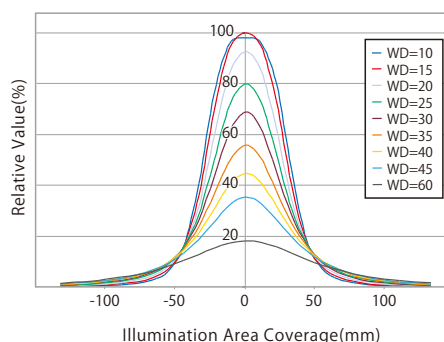


IDR-LA100/68B-3

Illuminance Distribution Chart(Ref.Value)

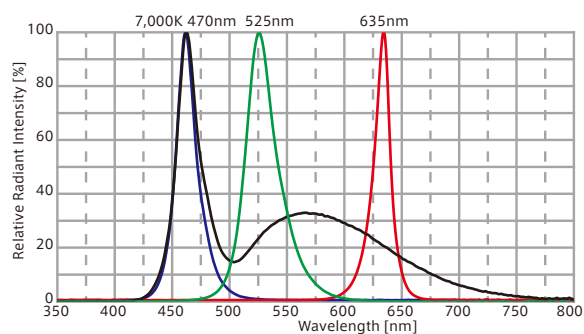


It is possible to achieve uniform illumination over a wide area even when in close proximity to the work surface.
Used Illumination: IDR-LA100/68DW-3
WD : 20mm



Used Illumination: IDR-LA100/68DW-3

Optical Spectrum (Ref.Value)



Model	Color	Power Consumption(W)	Input Voltage	WD(mm)	SAG (※)	Applicable Controller	Drawing
IDR-LA40/15□-2	DR	2.1	DC12V	5~10	D9	IDMU Series (P.193) ILP-30M2 (P.197) IDGC Series (P.209) and the others Strobe/Overdrive Controllers, etc.	1
	DW B G	2.2			FF		
IDR-LA50/24□-2-C01	DR	2.7		10~20	D1		2
	DW B G	2.9			FF		
IDR-LA74/48□	DR	5.4		15~30	C8		3
	DW B G	5.4			FF		
IDR-LA100/68□-3	DR	7		15~40	FF		4
	DW B G	5.4			FF		
IDR-LA120/70□-3	DR	10.5		15~40	F3		5
	DW B G	6.9			FF		
IDR-LA140/108□-3	DR	11.9		10~30	F4		6
	DW B G	8			FF		
IDR-LA200/170□-3	DR	18.4		40~70	F0		7
	DW B G	18.9			FF		

★The emission color (DW=White,DR=Red,B=Blue,G=Green) is indicated by □ in the model table. ★A diffuser ring plate can be attached.(Optional)

★DC24V products are also available. Please feel free to contact us for more information.

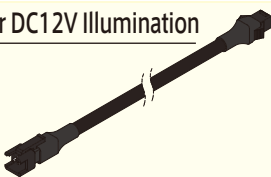
★Custom sizes are also available aside from the ones listed above.

※SAG: The maximum instantaneous upper limit output voltage setting value in the controller for the corresponding illumination when used in combination with the Overdrive controller.

Singal Type Extension Cable For DC12V Illumination

I-CB-S Series

When used for moving parts such as robots, please use the I-CB-S_R-C02 series, which manufactured with robust robot cable with high flexibility. For DC24V model, please use the I-CB-S_R-24 series or I-CB-S_R-24-C02 series.



Recommended Digital Controller(PWM Control)

IDMU Series

Output control: 1,000 Levels
Compact PWM controller with DC24V input voltage, ideal for installation inside panels
Expandable up to 40 channels by linking units
Equipped with programming and camera trigger output functions, making it versatile.



Diffuser Ring Plate for IDR-LA

IKR-LA Series



■ This is a diffusion ring designed exclusively for low-angle ring illumination IDR-LA. By attaching it, light can be diffused and it is possible to reduce the reflection on the object.

■ By using special processing, it creates a uniform focusing area in the immediate vicinity.

※ Diffusion ring for IDR-LA40/15□-2 is unavailable.

※ IKR-LA50/24-C01 has a different shape compared to other models.

Model	Applicable Illumination
IKR-LA50/24-C01	IDR-LA50/24□-2-C01
IKR-LA74/48	IDR-LA74/48
IKR-LA100/68	IDR-LA100/68
IKR-LA120/70-3	IDR-LA120/70□-3
IKR-LA140/108-3	IDR-LA140/108□-3
IKR-LA200/170-3	IDR-LA200/170□-3

<p>1</p>	<p>2</p>	<p>3</p>	<p>4</p>
<p>5</p>	<p>6</p>	<p>7</p>	

Line Illumination products

Ring Illumination products

Bar Illumination products

Transmitted/area Illumination products

Dome Illumination products

Special Illumination products

for products

Controller products

Other illumination products

- IDBB-LSRF
- IDBC-LSR
- IDBB-LSRH
- IDBB-LSRA
- IDBB-LSRS
- IDBC-LSRC
- IDBB-LSRC
- IDBC-RE
- IDBB-RE
- IDBA-RK
- IQDH-RE
- IMAR-D_8ch
- IDR-LA-8ch
- IDRA-T-8ch
- IMAR-D
- IMAR-CT D
- IHR-LE
- IHRB · IHRA
- IDR-F
- IDR-F33/16
- IDR
- IDR-LA
- IDRA-T
- IFR · IPR
- IDBA
- IDBA-HM
- IDBA-HMS
- IDBA-HMS-IR
- IDBA-FD
- IDBA-LEH2
- IDBA-LEH
- IDBA-LE
- IDBA-SE
- IDBA-SL
- IDBA-Q
- IFLA · IFLB
- IDHM
- IHMA
- IHMA-V
- IFPA
- IFD
- IFD-IR
- IHMA-40D
- IFPA-D
- IPQC
- IFHA
- IDDB-KH · IDDA-KH
- IDUB
- IDD
- IDD-CB
- IQD · IQDH
- IQDA-CB
- IFVA · IFVB
- IFVA-ST
- IFV
- IV-14 · IV-30
- IHV-20 · IHVE-21
- IHVA-SP · IHSL-SP
- IBF
- IHV-FX
- RBOX
- IDBB-CH
- IDHRA
- UV-CAN
- Infrared
- Infrared
- IMAR-RGB
- IDDA-KH-RGB
- RGB Full-color
- ISU
- ISS
- Introduction of Customization
- High-speed synchronous imaging state kit products
- ISC-24
- Image capture evaluation kit products
- IDMU
- ILP
- ILC
- ILV
- ILS
- IPPA · G · IRPA · G
- IPSA · IPPA
- IDGC
- IDPA
- IDCA
- IMC
- IWDV-24
- IWDV(S)-48
- ISC
- IJS
- US-30M2-TP/SS
- ILS-40M2-PI/SS
- SAG
- SLLUB
- LLUB
- IFIC