

Options Diffusion Plates

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CCS diffusion plates

Search



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- PD3 series
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- Polarization Plates
- Light Control Films
- Brackets
- Other
- Extension Cables

Can prevent glare, which is a problem when making images of glossy workpieces.



For the Ring Lights LDR2 series



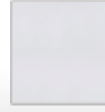
For the Low-angle Ring Lights LDR2-LA series



For the Bar Lights LDL2-33X8 series



For the Bar Lights LDL2 series



For the Coaxial Lights Lfv3 series



For the Coaxial Lights Lfv3 series (End of the model name: -UF)

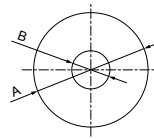
For the Ring Lights LDR2/SQR series

Model name	Applicable Light Unit (Common for all colors)	Dimensions		
		A	B	Thickness
DF-LDR-32*	LDR2-32	Ø32	Ø9	2
DF-LDR-42*	LDR2-42	Ø42	Ø14	
DF-LDR-50*	LDR2-50	Ø50	Ø25	
DF-LDR-70	LDR2-70	Ø66	Ø35	
DF-LDR-90*	LDR2-90	Ø90	Ø40	
DF-LDR-120-45*	LDR2-120	Ø120	Ø45	
DF-SQR-56	SQR-56	Refer to the drawing		

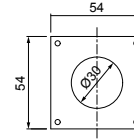
* An AD series adapter is needed when installing Light Units. (Product Page ▶ P. 221)

• Dimensions (mm)

DF-LDR-□□



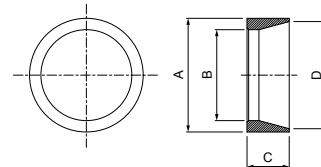
DF-SQR-56



For the Low-angle Ring Lights LDR2-LA series

Model name	Applicable Light Unit (Common for all colors)	Dimensions			
		A	B	C	D
DF-LDR-48LA	LDR2-48-LA	Ø22	Ø13	18.5	Ø21.77
DF-LDR-74LA	LDR2-74-LA	Ø48	Ø40	24	Ø50
DF-LDR-100LA	LDR2-100-LA	Ø70	Ø56	26	Ø66
DF-LDR-132LA	LDR2-132-LA	Ø98	Ø82		Ø92
DF-LDR-170LA	LDR2-170-LA	Ø136	Ø120		Ø130
DF-LDR-208LA	LDR2-208-LA	Ø178	Ø152	32	Ø174.3

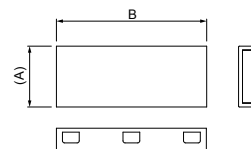
• Dimensions (mm)



For the Bar Lights LDL2 series

Model name	Applicable Light Unit (Common for all colors)	Dimensions		Model name	Applicable Light Unit (Common for all colors)	Dimensions	
		A	B			A	B
DF-LDL2-33X8	LDL2-33X8	10.4	44	DF-LDL2-74X30	LDL2-74X30	37.2	79
DF-LDL2-41X16	LDL2-41X16	23.2	46	DF-LDL2-146X30	LDL2-146X30		150.7
DF-LDL2-80X16	LDL2-80X16		84.7	DF-LDL2-218X30	LDL2-218X30		222.7
DF-LDL2-119X16	LDL2-119X16		123.7	DF-LDL2-266X30	LDL2-266X30		270.7

• Dimensions (mm)

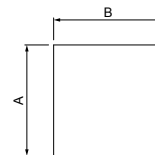


For the Coaxial Lights Lfv3 series

Model name	Transmittance rate	Applicable Light Unit (Common for all colors)	Dimensions		
			A	B	Thickness
DF-Lfv3-35	High	Lfv3-35	34	42	2
DF-Lfv3-35-UF	Low				
DF-Lfv3-50	High	Lfv3-50	52	56	
DF-Lfv3-50-UF	Low				
DF-Lfv3-50X100	High	Lfv3-50X100	52	106	
DF-Lfv3-50X100-UF	Low				
DF-Lfv3-70	High	Lfv3-70	73	80	
DF-Lfv3-70-UF	Low				

Model name	Transmittance rate	Applicable Light Unit (Common for all colors)	Dimensions		
			A	B	Thickness
DF-Lfv3-100	High	Lfv3-100	100	106	2
DF-Lfv3-100-UF	Low				
DF-Lfv3-130	High	Lfv3-130	130	138	
DF-Lfv3-130-UF	Low				
DF-Lfv3-200	High	Lfv3-200	202	222	
DF-Lfv3-200-UF	Low				

• Dimensions (mm)



Transmittance rate: High...Standard for red and white
Transmittance rate: Low (End of the model name: -UF)...Standard for blue

There are two types of diffusion plates for the Coaxial Lights Lfv3 series. Select one to match your work environment as they have different transmittance rate.

Example of usage

Imaging of can from above



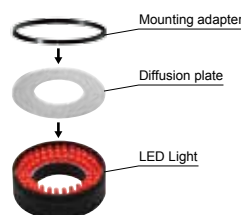
No diffusion plate



Using diffusion plate

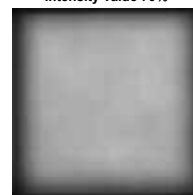
Example installation

Example: Attachment of Ring Lights LDR2 series



E.g.: If changing from a low transmittance rate diffusion plate to a high one:

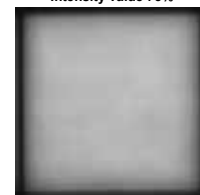
Intensity value 70%



Bright even though uniformity is low.

E.g.: If changing from a high transmittance rate diffusion plate to a low one:

Intensity value 75%



Brightness decreases as uniformity is increased.

Caution Diffusion plates are consumables. Heat may cause deformation or discoloring depending on the use environment. Make sure that countermeasures against overheating are implemented and that the temperature does not exceed the operating limit.