

Introduction



CCS Europe would like to introduce the LFV3(A) series.

This coaxial LED light uses high-precision optical glass for the camera-side window. This is also the case for the half-mirror which results in optimal images for your application, especially when used together with high resolution cameras.

The LFV3(A) also introduces flexibility. You can adjust the place of the internal diffusion plate to adjust the intensity and uniformity to fit your application. For instance, when you are working with a glossy work piece, diffused light is the key because you do not want to have direct reflection of the LEDs. If your work piece is more of a scattering surface, diffused light is not needed and you can just increase the intensity of the LFV3(A) by moving the diffuser towards the LEDs.

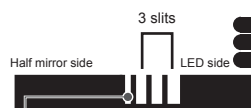
Main features

- New and improved optical glass
- 2 types of diffuser plates
- Position diffuser plate adjustable
 - Adjust intensity and uniformity to your application
- LFV3-50x100 added for increase of cover glass
- Flexible mounting
 - More mounting holes
 - Power cable placed at the side for flexible placing
 - Reduced size of CP series



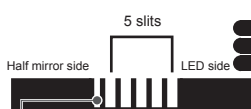
Diffusion plate and position

For the LFV3-50/50X100/70

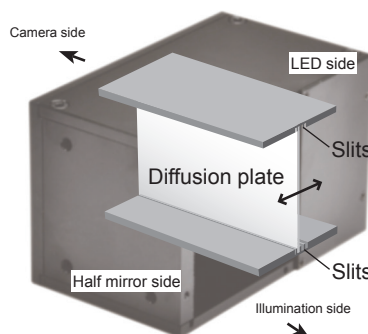


Slit for installing a polarization plate or light control film

For the LFV3-100/130/200

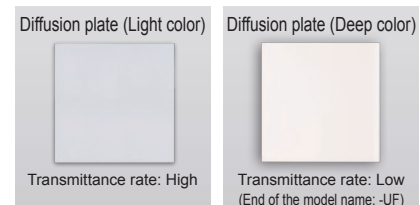


Slit for installing a polarization plate or light control film



* Conceptual image

Diffusion plate

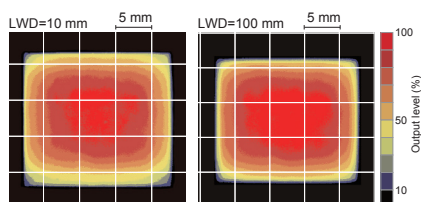
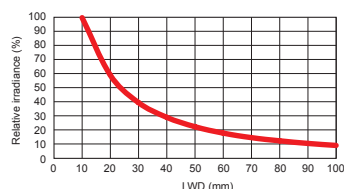


Replace the default diffusion plate to change the transmittance rate.

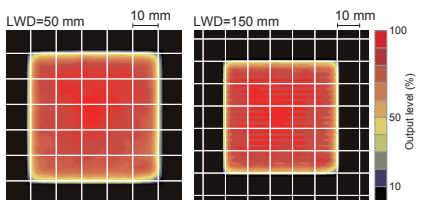
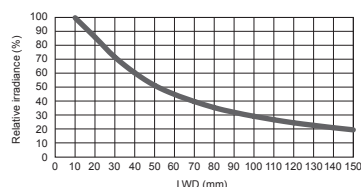
* When selecting, be aware that the default diffusion plate varies based on the emitted color.

Data: Relative irradiation strength graph/Uniformity graph

LFV3-35RD



LFV3-100SW



Line-up

Model name	LED color	Power consumption	Peak wavelength/ correlated color temperature	Options	Recommended Control Units	Weight
LFV3-34RD(A)	Red	24 V / 3.7 W	635 nm	-	PD3 CC-ST-1024	80 g
LFV3-34SW(A)	White	24 V / 3.2 W	6,000 K			
LFV3-34BL(A)	Blue	24 V / 3.2 W	470 nm			
LFV3-35RD(A)	Red	24 V / 3.1 W	630 nm	Diffusion plate Polarization plate Light control film	PD3 CC-ST-1024	175 g
LFV3-35SW(A)	White	24 V / 3.7 W	6,500 K		PSB PTU2	
LFV3-35BL(A)	Blue	24 V / 3.1 W	460 nm			
LFV3-40RD(A)	Red	24 V / 4.6 W	635 nm	-	PD3 CC-ST-1024	100 g
LFV3-40SW(A)	White		6,000 K			
LFV3-40BL(A)	Blue		470 nm			
LFV3-50RD(A)	Red	24 V / 8.1 W	630 nm	Diffusion plate Polarization plate Light control film	PD3 CC-ST-1024*	335 g
LFV3-50SW(A)	White	24 V / 11 W	6,500 K		PSB PTU2	
LFV3-50BL(A)	Blue	24 V / 9.1 W	460 nm		* Can only use red and blue.	
LFV3-50X100RD(A)	Red	24 V / 17 W	630 nm	Diffusion plate Polarization plate Light control film	PD3	530 g
LFV3-50X100SW(A)	White	24 V / 20 W	6,500 K		PSB PTU2	
LFV3-50X100BL(A)	Blue	24 V / 17 W	460 nm			
LFV3-70RD(A)	Red	24 V / 13 W	630 nm	Diffusion plate Polarization plate Light control film	PD3	620 g
LFV3-70SW(A)	White	24 V / 19 W	6,500 K		PSB PTU2	
LFV3-70BL(A)	Blue	24 V / 16 W	460 nm			
LFV3-100RD(A)	Red	24 V / 22 W	630 nm	Diffusion plate Polarization plate Light control film	PD3	1,060 g
LFV3-100SW(A)	White	24 V / 27 W	6,500 K		PSB PTU2	
LFV3-100BL(A)	Blue		460 nm			
LFV3-130RD(A)	Red	24 V / 31 W	630 nm	Diffusion plate Polarization plate Light control film	PD3	1,750 g
LFV3-130SW(A)	White	24 V / 46 W	6,500 K			
LFV3-130BL(A)	Blue	24 V / 38 W	460 nm			
LFV3-200RD(A)	Red	24 V / 43 W	630 nm	Diffusion plate Polarization plate Light control film	PD3	4,350 g
LFV3-200SW(A)	White	24 V / 64 W	6,500 K			
LFV3-200BL(A)	Blue	24 V / 53 W	460 nm			
LFV3-CP-13RD	Red	24 V / 2.1 W	635 nm	-	PD3 CC-ST-1024	37 g
LFV3-CP-13SW	White	24 V / 2.3 W	6,000 K		PSB PTU2	
LFV3-CP-13BL	Blue	24 V / 1.3 W	470 nm			
LFV3-CP-18RD	Red	24 V / 3.3 W	635 nm	-	PD3 CC-ST-1024	70 g
LFV3-CP-18SW	White	24 V / 4.1 W	6,000 K		PSB PTU2	
LFV3-CP-18BL	Blue	24 V / 3.4 W	470 nm			