

## Introduction



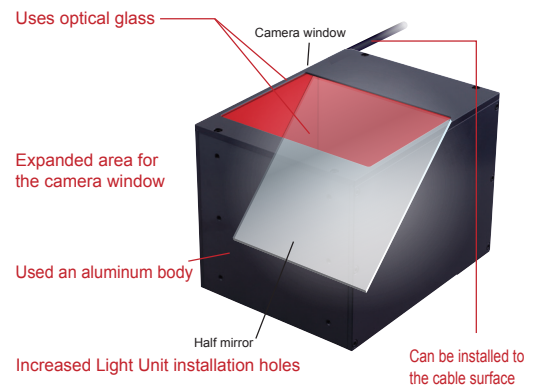
CCS Europe would like to introduce the LFV3(A) series.

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

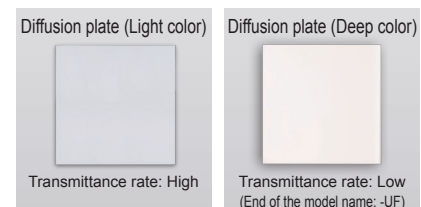


For the LFV3-100/130/200



\* Conceptual image

## Diffusion plate

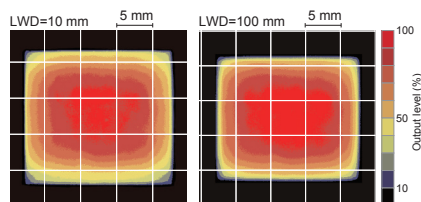


Replace the default diffusion plate to change the transmittance rate.

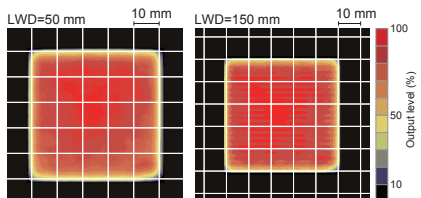
\* When selecting, be aware that the default diffusion plate varies based on the emitted color.

## Data: Relative irradiation strength graph/Uniformity graph

### LFV3-35RD



### LFV3-100SW



## Line-up

| Model name       | LED color | Power consumption | Peak wavelength/<br>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  |   | PSB    PTU2                  |         |
| LFV3-34BL(A)     | Blue      |                   | 470 nm   |   |                              |         |
| LFV3-35RD(A)     | Red       | 24 V / 3.1 W      | 630 nm   | Diffusion plate<br>Polarization plate<br>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  |   | PSB    PTU2                  |         |
| LFV3-40BL(A)     | Blue      |                   | 470 nm   |   |                              |         |
| LFV3-50RD(A)     | Red       | 24 V / 8.1 W      | 630 nm   | Diffusion plate<br>Polarization plate<br>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<br>Polarization plate<br>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<br>Polarization plate<br>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<br>Polarization plate<br>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<br>Polarization plate<br>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<br>Polarization plate<br>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   |   |                              |         |