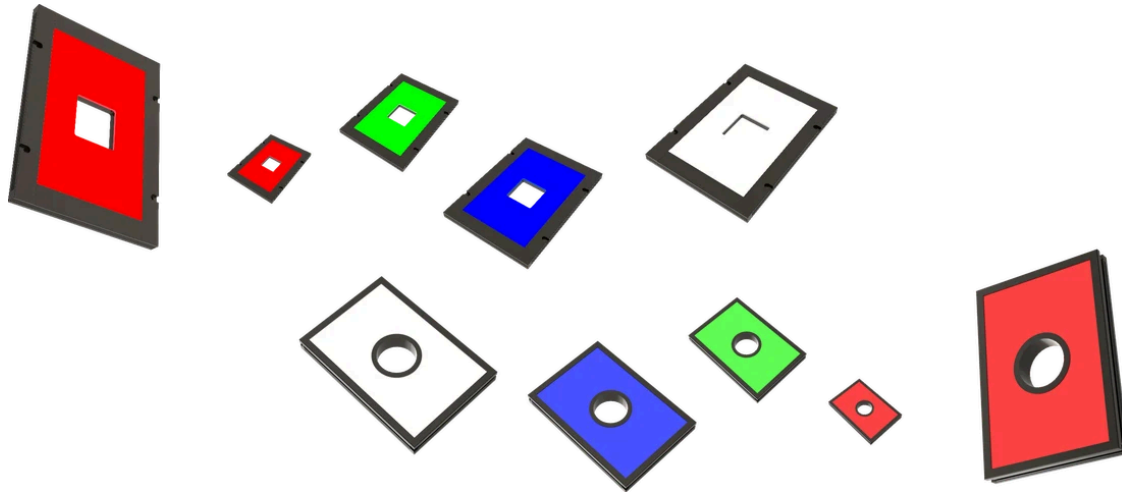


Flank Back Light with Hole (2FCK series)

LS-2FCK series · Backlights · 14 models



Edge-lit backlight with a round central through-hole (ΦE), 10-11.5 mm thick, in sizes up to a 1568x668 mm emitting area.

Features

- Ultra-thin design, with customizable hole size, shape, dimension and position.
- Achieves uniform illumination over a large area.
- High-precision, large-area product size measurement using parallel backlighting.

Applications

- Large size product positioning, high uniformity recognition scenarios, various size measurements, transmission-based detection of presence/absence.
- PCB board fiducial mark positioning
- Keyboard character inspection
- Electronic product QR code detection
- Chip quantity inspection

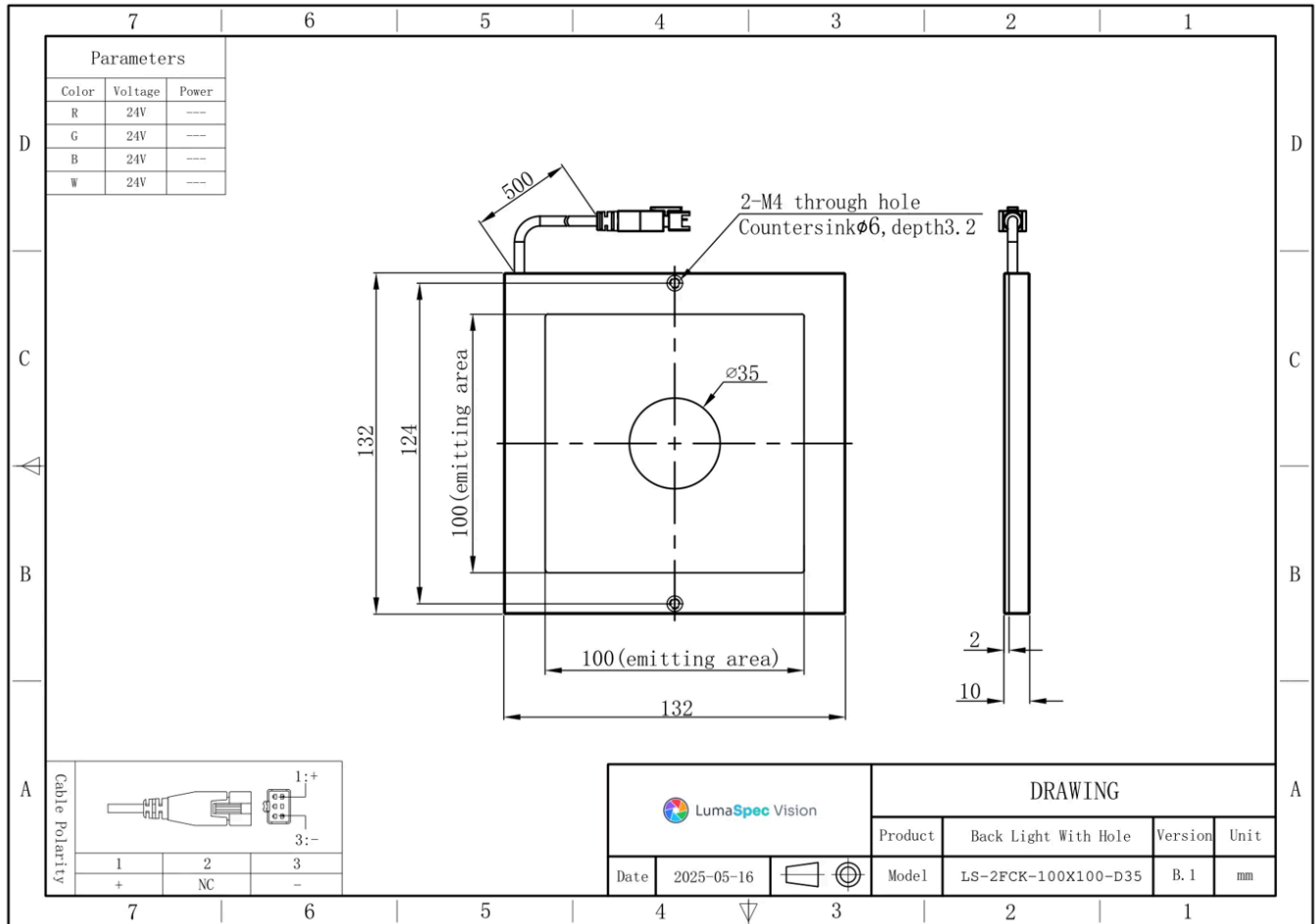
Common specifications

Voltage (V)	24
Colours	Red, Green, Blue, White
Thickness (mm)	10.5 on drawing; 10 to 11.5 in parameter table
Mounting	X-M4 through holes, counterbore $\Phi 6$ depth 3.2
Cable length (mm)	500

Models

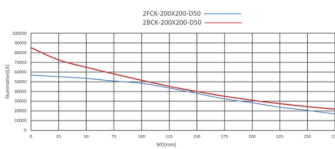
Model	Power R (W)	Power W/B/G (W)	Hole size (mm)	Emitting area (mm)	Outer size L x W x H (mm)
LS-2FCK-100X100-D35 colours: Red, Green, Blue, White	12.5	12.5	Φ35	100x100	132x132x10
LS-2FCK-250X120-D50 colours: Red, Green, Blue, White	22	26	Φ50	250x120	282x152x10.5
LS-2FCK-250X150-D50 colours: Red, Green, Blue, White	22	26	Φ50	250x150	282x182x10.5
LS-2FCK-200X200-D50 colours: Red, Green, Blue, White	19.5	20.5	Φ50	200x200	232x232x10.5
LS-2FCK-300X200-D50 colours: Red, Green, Blue, White	26	27	Φ50	300x200	332x232x10.5
LS-2FCK-250X250-D50 colours: Red, Green, Blue, White	22	26	Φ50	250x250	282x282x10.5
LS-2FCK-400X200-D40 colours: Red, Green, Blue, White	35	43.5	Φ40	400x200	432x232x10.5
LS-2FCK-300X300-D50 colours: Red, Green, Blue, White	22	31	Φ50	300x300	332x332x10.5
LS-2FCK-400X300-D50 colours: Red, Green, Blue, White	36	36	Φ50	400x300	432x332x10.5
LS-2FCK-500X400-D70 colours: Red, Green, Blue, White	43	52	Φ70	500x400	532x432x10.5
LS-2FCK-600X450-D50 colours: Red, Green, Blue, White	50	57.5	Φ50	600x450	632x482x11.5
LS-2FCK-800X600-D50 colours: Red, Green, Blue, White	65	74.5	Φ50	800x600	832x632x11.5
LS-2FCK-900X618-D50 colours: Red, Green, Blue, White	45	51	Φ50	900x618	932x650x11.5
LS-2FCK-1568X668-D50 colours: Red, Green, Blue, White	120	151	Φ50	1568x668	1600x700x11.5

Dimensions



Performance

Illumination Property Diagram



Uniformity (Relative Irradiance)

