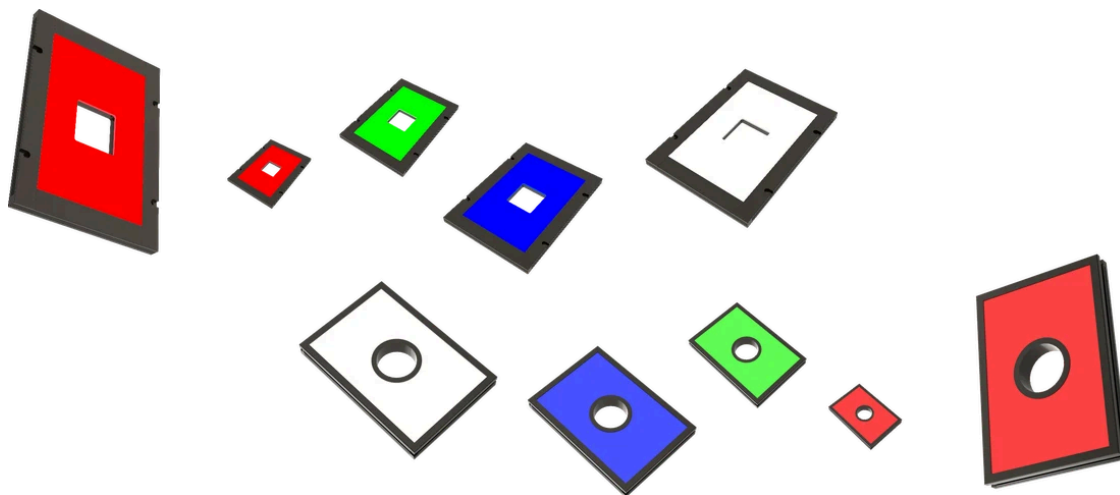


Bottom Back Light with Hole (2BCK series)

LS-2BCK series · Backlights · 12 models



Bottom-lit backlight (LED + diffuser) with a round central through-hole for viewing through the light, in a finned heat-dissipation housing 21-27 mm thick.

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

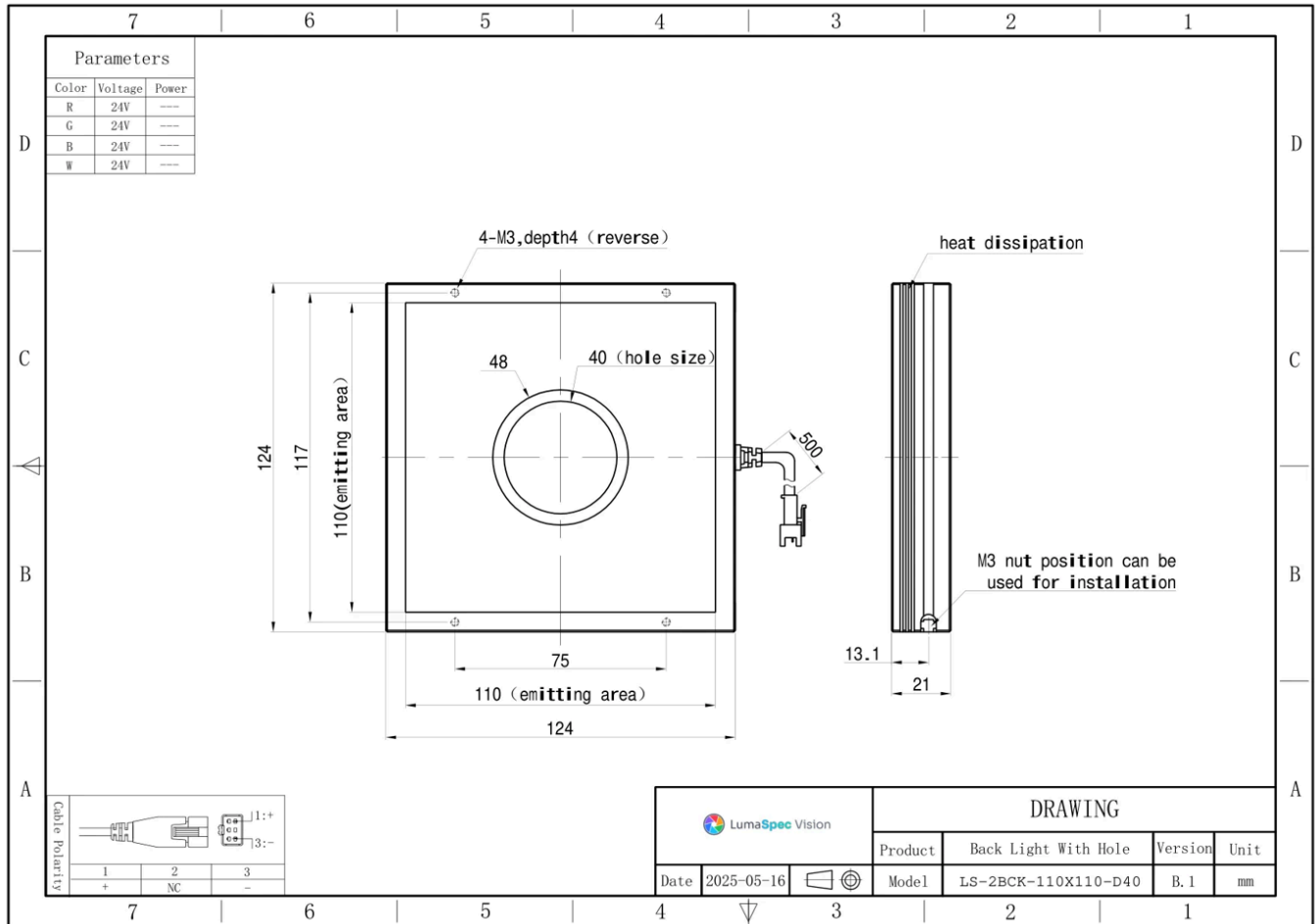
Common specifications

Voltage (V)	24
Colours	Red, Green, Blue, White
Construction (setup diagram)	LED / housing / diffuser plate
Mounting	M3 tapped holes on back (qty per model drawing); side M3 nut slots
Heat sink	Finned heat-dissipation profile

Models

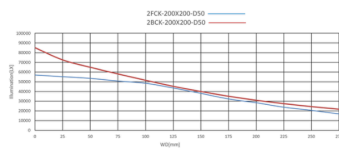
Model	Power R (W)	Power W/B/G (W)	Hole size (mm)	Emitting area (mm)	Outer size L x W x H (mm)
LS-2BCK-110X110-D40 colours: Red, Green, Blue, White	8	13	Φ40	110x110	124x124x21
LS-2BCK-200X100-D40 colours: Red, Green, Blue, White	12	16	Φ40	200x100	214x114x22
LS-2BCK-150X150-D45 colours: Red, Green, Blue, White	15	21	Φ45	150x150	164x164x21
LS-2BCK-200X200-D50 colours: Red, Green, Blue, White	18	27	Φ50	200x200	214x214x22
LS-2BCK-300X200-D40 colours: Red, Green, Blue, White	28	40	Φ40	300x200	316x216x22
LS-2BCK-300X200-D60 colours: Red, Green, Blue, White	28	40	Φ60	300x200	316x216x22
LS-2BCK-400X200-D50 colours: Red, Green, Blue, White	37	54	Φ50	400x200	416x214x21
LS-2BCK-300X300-D50 colours: Red, Green, Blue, White	45	65	Φ50	300x300	316x316x22
LS-2BCK-300X300-D60 colours: Red, Green, Blue, White	45	64	Φ60	300x300	316x316x22
LS-2BCK-400X300-D60 colours: Red, Green, Blue, White	56	80	Φ60	400x300	416x316x27
LS-2BCK-400X400-D50 colours: Red, Green, Blue, White	72	108	Φ50	400x400	416x416x27
LS-2BCK-400X400-D65 colours: Red, Green, Blue, White	72	108	Φ65	400x400	416x416x27

Dimensions



Performance

Illumination Property Diagram



Uniformity (Relative Irradiance)

