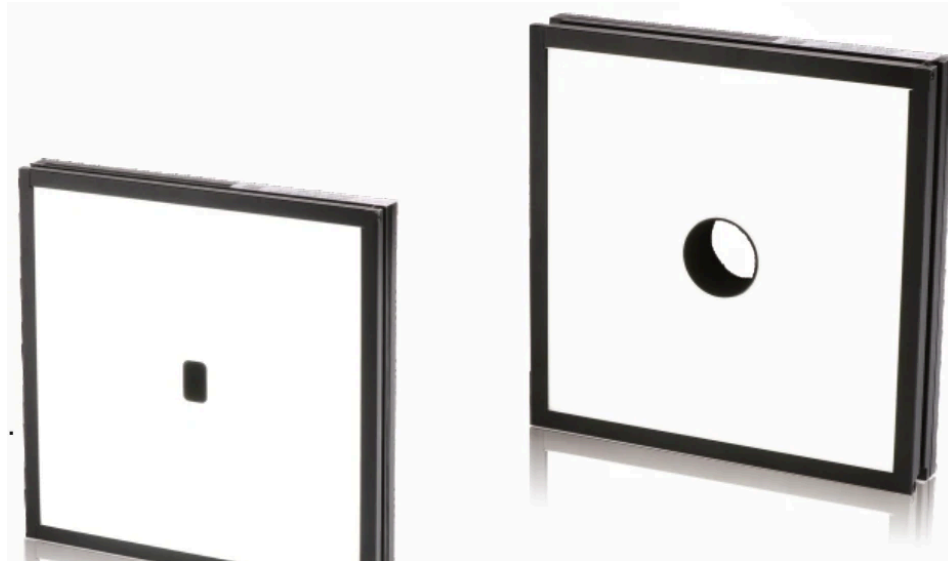


Square back light with centre hole (2FTB)

LS-2FTB series · Backlights · 5 models



Back light with high-density LEDs distributed across the bottom for high uniformity and high luminance; diverse dimensions for various applications. The catalog presents 2FTB and 2FTR together as the square / ring back light series.

Features

- High-density LED distributed to the bottom of the light
- High uniformity, high luminance
- Diverse dimensions for various applications
- Through hole in the emitting area (square)

Applications

- Boundary dimension measurement
- Damaged edge inspection
- Transparency impurity inspection
- Oral liquid level height inspection
- Imaging example: dirty part inspection on a gauze mask (LS-2FTR300200-W)

Colours

R	620-630 nm
G	525-530 nm
B	465-470 nm
W	6600 K

Common specifications

Voltage	24 V
Adapted controller	Analog controller, digital controller, high power controller
Customizable	viewport, length and width, multi-area control, colour and colour temperature, cable length, installation method
Cable (mm)	500 (drawings)
Min. emitting area	110mm x 110mm

Max. emitting area	236mm x 186mm
Recommended working distance	10~250mm
FOV	1~220mm
Colours (overview)	red / green / blue / white
Colour temperature of white	6600K
Operating temperature	0-50 °C
Operating humidity	20-85% (non-condensing)
Life span	50000 h (to 50% of factory-default luminance)
Extension cable options	PVC extension cable (high flexibility, bending and heat resistant, for use inside equipment) or high-flexibility extension cable (harder and more abrasion resistant than PVC, for drag-chain production lines)
Custom wavelengths	UV & IR light can be customized as required

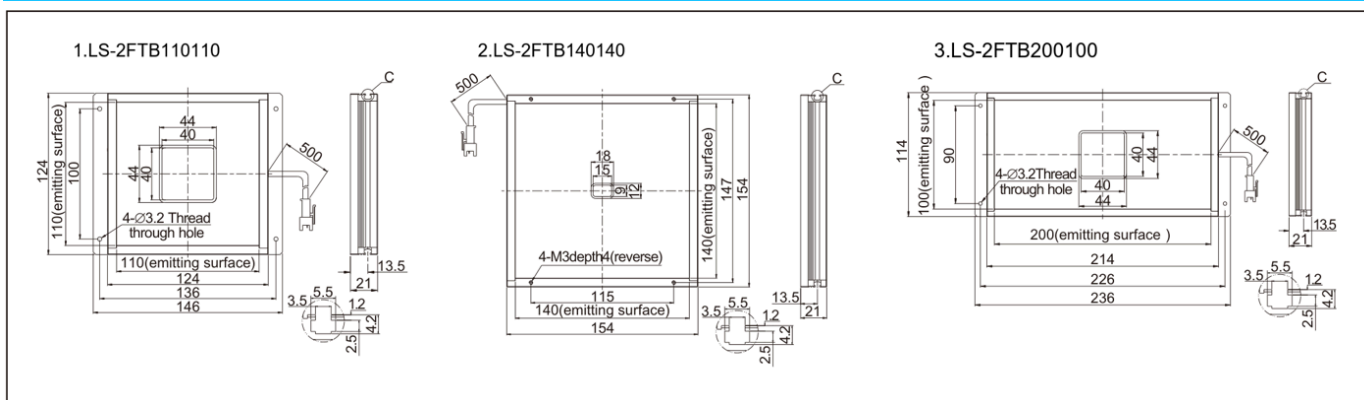
Ordering code: LS-2FTB/2FTR<length of luminous zone><width of luminous zone>-<R/G/B/W/IR/UV>

Models

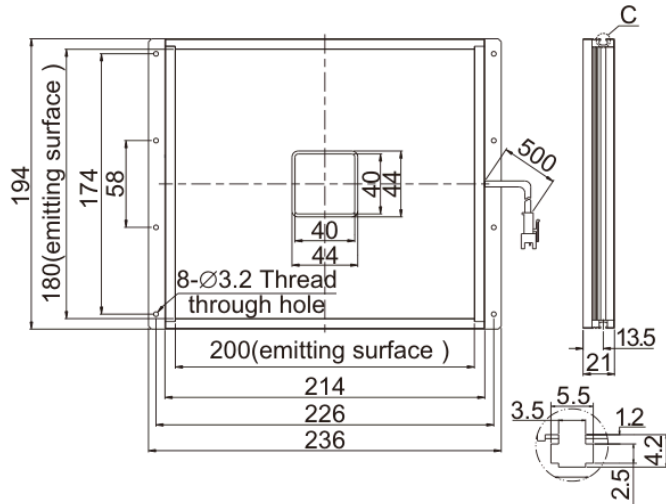
Model	Power, R (W)	Power, G/B/W (W)	Weight (g)	Emitting surface (mm)	Centre hole, square (mm)	Dimension drawing
LS-2FTB110110 colours: R, G, B, W	5.8	9.6	462	110 x 110	40 x 40 (44 x 44 frame)	1
LS-2FTB140140 colours: R, G, B, W	12.0	18.2	677	140 x 140	15 x 9 (18 x 12 frame)	2
LS-2FTB200100 colours: R, G, B, W	9.8	16.3	696	200 x 100	40 x 40 (44 x 44 frame)	3
LS-2FTB200180 colours: R, G, B, W	19.2	32.2	721	200 x 180	40 x 40 (44 x 44 frame)	4
LS-2FTB236186 colours: R, G, B, W	25.0	37.4	732	236 x 186	70 x 40 (74 x 44 frame)	5

More values per model (Common) are on each product page.

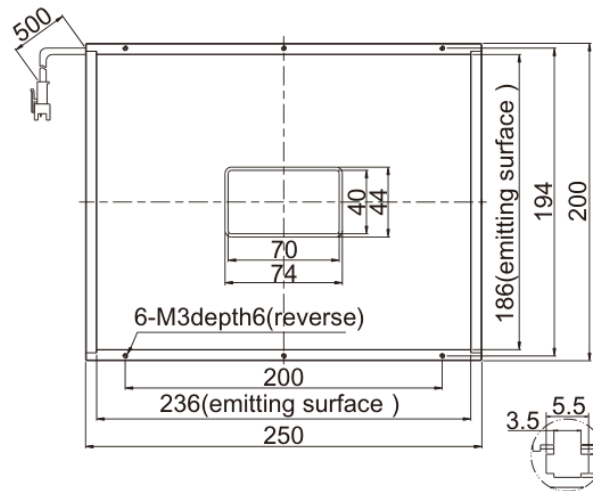
Dimensions



4.LS-2FTB200180

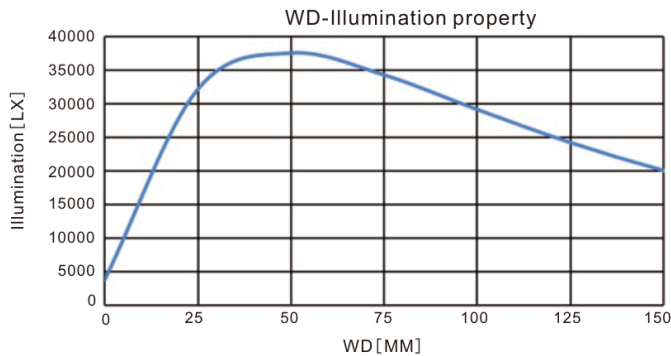


5.LS-2FTB236186

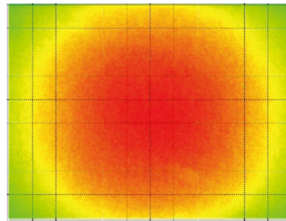


Performance

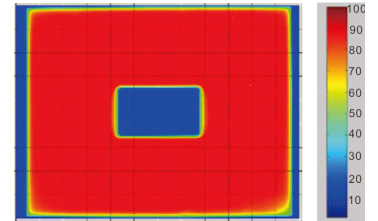
Model: LS-2FTB236186-W



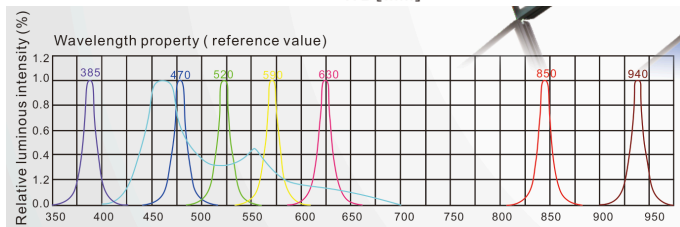
Dark FOV: 160x120mm



Dark FOV: 255x190mm



*Above diagram only for reference



Product views

