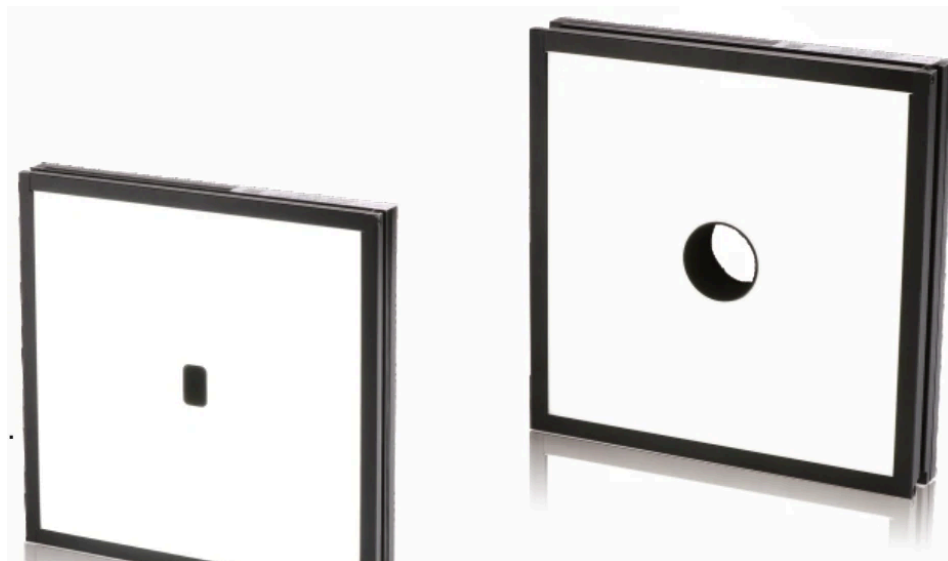


Ring back light with round hole (2FTR)

LS-2FTR series · Backlights · 9 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 (round)

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	600mm x 450mm
Recommended working distance	10~650mm
FOV	1~590mm
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

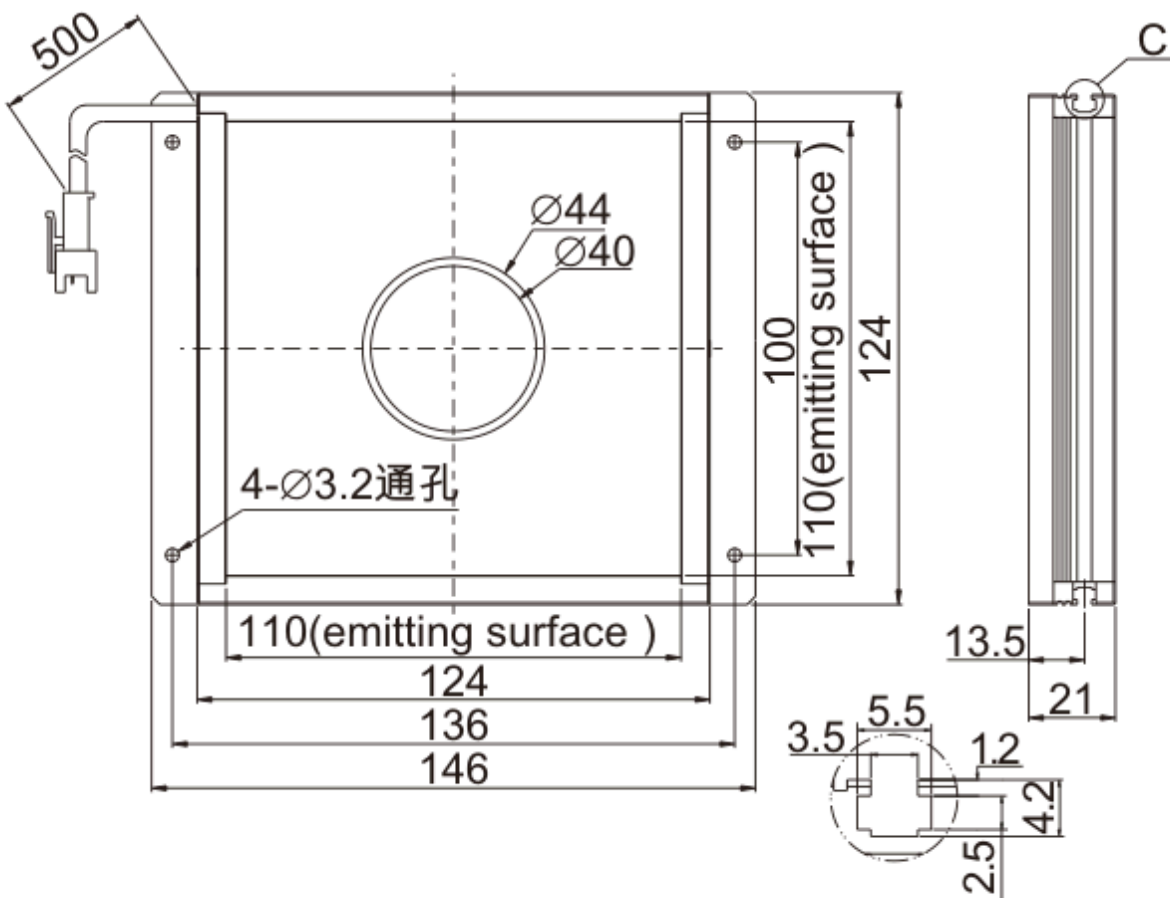
Ordering code: LS-2FTB/2FTR<length of luminous zone><width of luminous zone>-<R/G/B/W/IR/UV>

Models

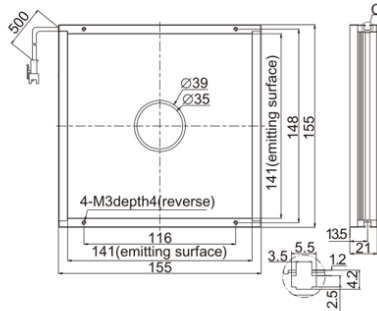
Model	Power, R (W)	Power, G/B/W (W)	Weight (g)	Emitting surface (mm)	Centre hole(s), round (mm)	Dimension drawing	Common
LS-2FTR110110 colours: R, G, B, W	6.0	9.9	467	110 x 110	dia. 40 (44)	6	Y
LS-2FTR141141 colours: R, G, B, W	12.2	18.2	740	141 x 141	dia. 35 (39)	7	Y
LS-2FTR150150 colours: R, G, B, W	11.0	20.2	724	150 x 150	dia. 30 (34)	8	Y
LS-2FTR180180 colours: R, G, B, W	16.6	27.6	833	180 x 180	dia. 52 (56)	9	Y
LS-2FTR220220 colours: R, G, B, W	21.1	31.7	1520	220 x 220	dia. 55 (59)	10	Y
LS-2FTR250210 colours: R, G, B, W	27.4	45.6	1577	250 x 210	dia. 60 (64)	11	Y
LS-2FTR300200 colours: R, G, B, W	39.4	59.0	2003	300 x 200	2 x dia. 45 (49), 90 apart	12	Y
LS-2FTR500400 colours: R, G, B, W	98.4	147.8	3392	500 x 400	4 x dia. 90 (94)	13	N
LS-2FTR600450 colours: R, G, B, W	135.8	226.6	4251	600 x 450	2 x dia. 80 (86), 215 apart	14	N

Dimensions

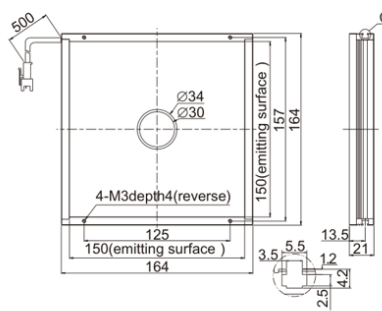
6.LS-2FTR110110



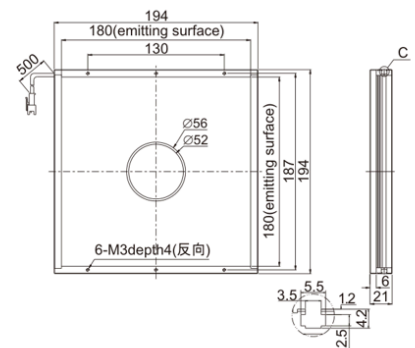
7.LS-2FTR141141



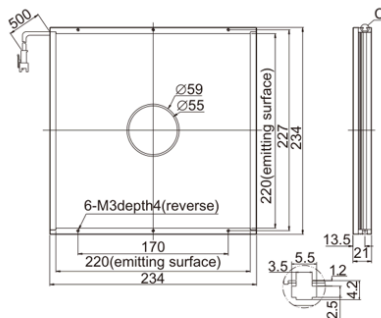
8.LS-2FTR150150



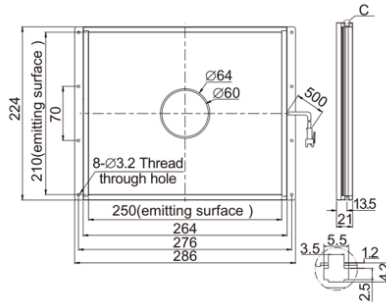
9.LS-2FTR180180



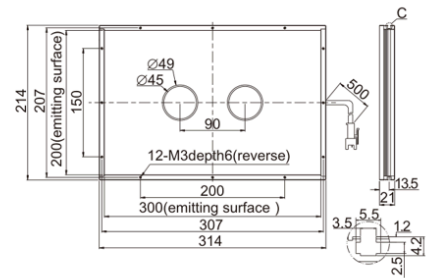
10.LS-2FTR220220



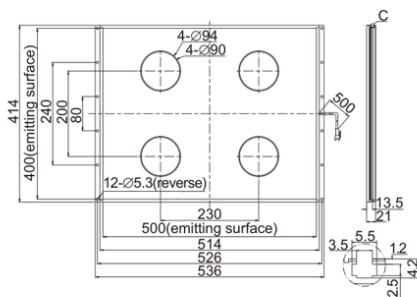
11.LS-2FTR250210



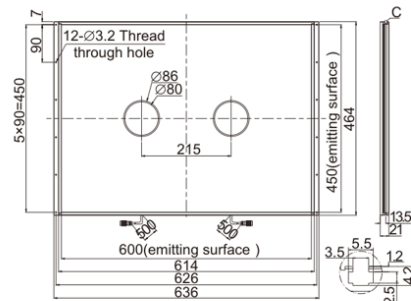
12.LS-2FTR300200



13.LS-2FTR500400

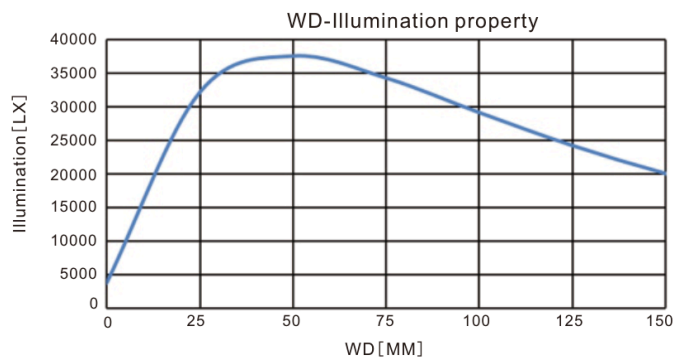


14.LS-2FTR600450

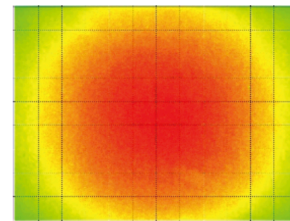


Performance

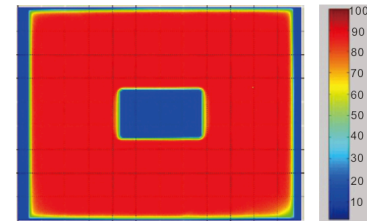
Model: LS-2FTB236186-W



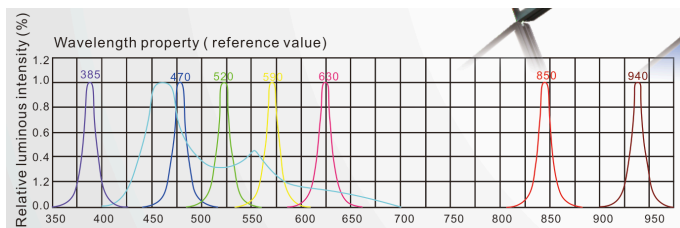
Dark FOV: 160x120mm



Dark FOV: 255x190mm



*Above diagram only for reference



Product views

