

Ultrathin flank back light (FTC)

LS-FTC series · Backlights · 4 models



Ultrathin side-lit back light down to 7 mm thickness that is easy to install in narrow spaces, with high uniformity; sizes can be customized.

Features

- Ultrathin, thickness down to 7 mm
- Easy to install in narrow space
- High uniformity
- Customized sizes

Applications

- Glass surface scratch inspection
- PCB printing defect inspection
- Reflective surface defect inspection
- Imaging example: sheet metal (SHIELD terminal) contour inspection (LS-FTC100-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	length and width, colour and colour temperature, cable length, installation method
Cable (mm)	500 (drawings)
Min. emitting area	100mm x 100mm
Max. emitting area	200mm x 200mm

Recommended working distance	1~200mm
FOV	1~190mm
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

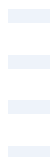
Ordering code: LS-FTC<length of luminous zone>-<R/G/B/W/IR/UV>

Models

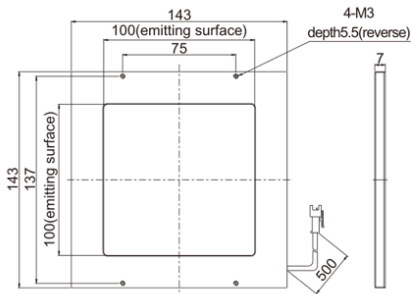
Model	Power, R (W)	Power, G/B/W (W)	Weight (g)	Emitting surface (mm)	Thickness (mm)	Dimension drawing	Common
LS-FTC100 colours: R, G, B, W	15.4	23.1	416	100 x 100	7	1	Y
LS-FTC5042 colours: R, G, B, W	7.7	11.6	110	50 x 42	7	2	N
LS-2FTC280100 colours: R, G, B, W	11.6	17.3	803	280 x 100	10.5	3	N
LS-2FTC200 colours: R, G, B, W	15.4	23.1	589	189 x 189	8	4	N

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

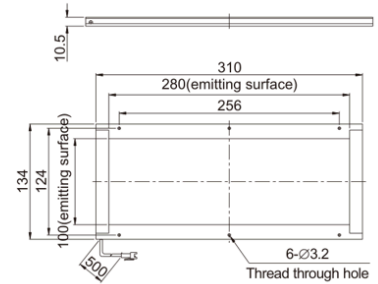
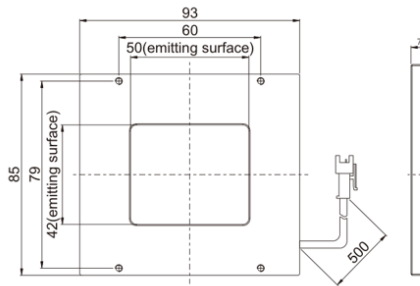
Dimensions



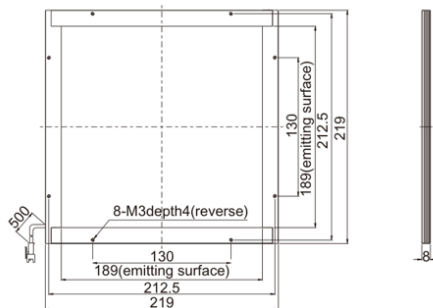
1.LS-FTC100



2.LS-FTC5042



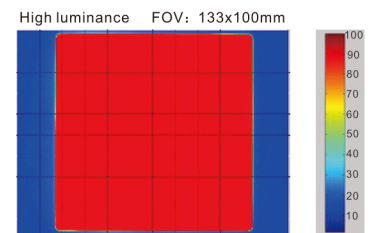
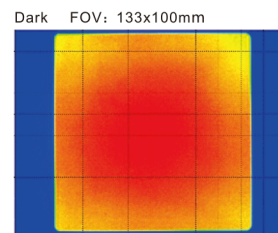
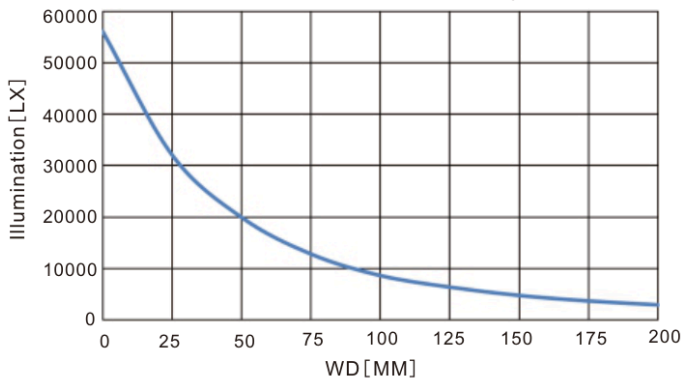
4.LS-2FTC200



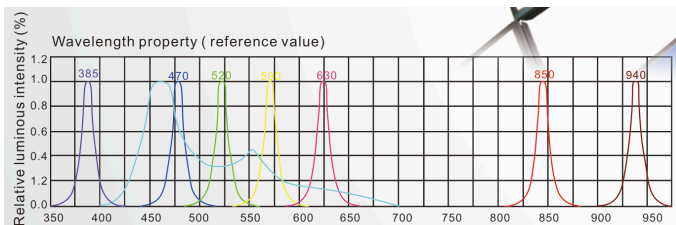
Performance

Model : LS-FTC100-W

WD-Illumination property



*Above diagram only for reference



Product views

