

High power backlight (2FL series)

LS-2FL series · Backlights · 18 models

High power backlight with SMD LEDs, luminous areas from 50 x 50 to 400 x 400 mm; installation by M3 nut slot or bottom side.

Features

- High power backlight with SMD LEDs
- Installation by M3 nut slot or from the bottom side
- Three-colour RGB light source, size and height, wavelength/colour temperature, mounting and input wire length customization
- Luminous size can be made individually: 10050, 12060, 14070, 16080, 200100, 240120 (remark for the small sizes)
- Sizes 150 x 150 and up marked 'Large size'

Applications

- Contour dimension measurement
- Edge breakage detection
- Transparent object impurity detection
- Oral liquid height detection
- Contour detection (white background with contrasting black edges)



Colours

R	620-630 nm
G	520-530 nm
B	460-470 nm
W	6000-7500 K

Common specifications

Voltage	24 V DC
LED type	SMD
Installation method	M3 nut slot and bottom side installation
Wire length	500 mm (drawing)
Operating environment (indoor)	temperature 0~40 °C, humidity 20~85% (non condensing)
Working life	white: 30000 hours, red: 30000 hours (the value varies according to the use environment)
Power tolerance	actual product power within ±10% of the table is the normal range
Quality service	one year product warranty, technical support

Ordering code: LS-2FL<luminous surface length><luminous surface width>--<R/G/B/W/IR/UV>

Models

Model	Luminous size (mm)	Power red (W)	Power blue/white (W)	Long (mm)	Wide (mm)	High (mm)	Remarks
LS-2FL5050 colours: R, B, W	50x50	2.9	2.9	64	64	20	The luminous size can be multiplied individually: 10050, 12060, 14070, 16080, 200100, 240120
LS-2FL6060 colours: R, B, W	60x60	4.3	3.6	74	74	20	The luminous size can be multiplied individually: 10050, 12060, 14070, 16080, 200100, 240120
LS-2FL7070 colours: R, B, W	70x70	5.0	5.4	84	84	20	The luminous size can be multiplied individually: 10050, 12060, 14070, 16080, 200100, 240120

LS-2FL8080 colours: R, B, W	80x80	6.5	6.5	94	94	20	The luminous size can be multiplied individually: 10050, 12060, 14070, 16080, 200100, 240120
LS-2FL9090 colours: R, B, W	90x90	8.6	7.6	104	104	20	The luminous size can be multiplied individually: 10050, 12060, 14070, 16080, 200100, 240120
LS-2FL100100 colours: R, B, W	100x100	9.7	11.5	114	114	20	The luminous size can be multiplied individually: 10050, 12060, 14070, 16080, 200100, 240120
LS-2FL120120 colours: R, B, W	120x120	11.9	13.0	134	134	20	The luminous size can be multiplied individually: 10050, 12060, 14070, 16080, 200100, 240120
LS-2FL150150 colours: R, B, W	150x150	11.9	13.7	164	164	21	Large size
LS-2FL200150 colours: R, B, W	200x150	15.1	17.5	214	164	21	Large size
LS-2FL200200 colours: R, B, W	200x200	23.8	22.5	214	214	21	Large size
LS-2FL250125 colours: R, B, W	250x125	13.0	16.8	264	139	21	Large size
LS-2FL250250 colours: R, B, W	250x250	25.9	33.7	264	264	21	Large size
LS-2FL300150 colours: R, B, W	300x150	19.4	27.5	314	164	21	Large size
LS-2FL300200 colours: R, B, W	300x200	30.2	34.9	314	214	21	Large size
LS-2FL300300 colours: R, B, W	300x300	47.5	54.9	314	314	21	Large size
LS-2FL400200 colours: R, B, W	400x200	38.9	44.9	414	214	21	Large size
LS-2FL400300 colours: R, B, W	400x300	60.5	69.9	414	314	21	Large size
LS-2FL400400 colours: R, B, W	400x400	77.8	89.9	414	414	21	Large size

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

Dimensions

