

Collimated backlight (3FLP series)

LS-3FLP series · Backlights · 24 models

Collimated
backlight (3FLP)
with SMD LEDs,
luminous sizes 29
x 29 to 450 x 300
mm, SM3 (1.3 pin)
interface.

Features

- Collimated (parallel) backlight for sharp edges in measurement
- Four-sided M3 nut grooves and bottom side installation
- Three-colour RGB light source, size and height, wavelength/ colour temperature, mounting and input wire length customization
- SM3 (1.3 pin) interface



Applications

- Metal cylinder profile measurement
- Glass bottle diameter measurement
- Large-area circuit board component detection and identification
- Dimension measurement of metal parts
- Wafer surface defect detection

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 (four-sided M3 nut grooves) 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 $\pm 10\%$ of the table is the normal range
Quality service	one year product warranty, technical support
Interface	SM3 (1.3 pin)

Ordering code: LS-3FLP<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)
LS-3FLP2929 colours: R, B, W	29x29	1.1	1.7	44	33	16.5
LS-3FLP5050 colours: R, B, W	50x50	2.1	2.5	80	60	22.5
LS-3FLP6060 colours: R, B, W	60x60	4.2	3.8	90	70	22.5
LS-3FLP7070 colours: R, B, W	70x70	4.2	4.8	100	80	22.5
LS-3FLP8080 colours: R, B, W	80x80	6.3	6.2	110	90	22.5
LS-3FLP9090 colours: R, B, W	90x90	6.3	6.9	120	100	22.5
LS-3FLP100100 colours: R, B, W	100x100	8.4	10.0	130	110	22.5
LS-3FLP120120 colours: R, B, W	120x120	16.9	15.4	150	130	22.5
LS-3FLP150150 colours: R, B, W	150x150	19.0	22.5	185	160	22.5
LS-3FLP180180 colours: R, B, W	180x180	24.2	21.1	194	214	23.5
LS-3FLP200100 colours: R, B, W	200x100	15.4	15.4	214	134	23.5
LS-3FLP200150 colours: R, B, W	200x150	23.0	23.0	214	184	23.5
LS-3FLP200200 colours: R, B, W	200x200	30.7	30.7	214	234	23.5
LS-3FLP250200 colours: R, B, W	250x200	38.4	38.4	264	234	23.5
LS-3FLP250250 colours: R, B, W	250x250	48.0	48.0	264	284	23.5
LS-3FLP300150 colours: R, B, W	300x150	34.6	34.6	314	184	23.5
LS-3FLP300200 colours: R, B, W	300x200	46.1	46.1	314	234	23.5

LS-3FLP300300 colours: R, B, W	300x300	58.8	58.8	314	334	23.5
LS-3FLP350250 colours: R, B, W	350x250	57.1	57.1	364	284	23.5
LS-3FLP350350 colours: R, B, W	350x350	80.0	80.0	364	384	23.5
LS-3FLP400200 colours: R, B, W	400x200	52.2	52.2	414	234	23.5
LS-3FLP400300 colours: R, B, W	400x300	78.3	78.3	434	334	23.5
LS-3FLP400400 colours: R, B, W	400x400	104.4	104.4	434	434	23.5
LS-3FLP450300 colours: R, B, W	450x300	88.1	88.1	464	334	23.5

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

Dimensions

