

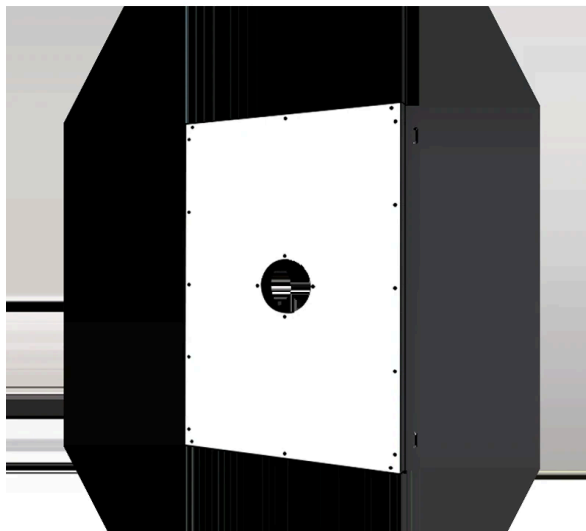
Hole backlight (3FLH series)

LS-3FLH series · Backlights · 22 models

Hole backlight (3FLH) with SMD LEDs, luminous sizes 150 x 150 up to 1000 x 1000 mm; SM3, 4-pin WS16 or 4-pin WS20 aviation interface depending on size.

Features

- Backlight with a centre hole (K suffix in the model; drawing of LS-2FLH150150K40 shows a dia. 40 hole)
- Three-colour RGB light source, size and height, wavelength/colour temperature, mounting and input wire length customization
- Interface: SM3 (1.3 pin) up to 400 x 300; 4-pin WS16 aviation interface 400 x 400 to 600 x 400; 4-pin WS20 aviation interface 600 x 600 to 1000 x 1000



Applications

- Measurement of the four dimensions of the object
- Edge breakage detection
- Transparent object impurity detection
- Phone case edge detection
- Sole contour 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
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

Ordering code: LS-3FLH<luminous surface length><luminous surface width>K<hole>--<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-3FLH150150K50 colours: R, B, W	150x150	16.9	19.3	185	160	20	SM3 (1.3 pin) interface
LS-3FLH200100K50 colours: R, B, W	200x100	13.4	13.0	214	134	21	SM3 (1.3 pin) interface
LS-3FLH200200K50 colours: R, B, W	200x200	28.8	28.3	214	234	21	SM3 (1.3 pin) interface
LS-3FLH250250K50 colours: R, B, W	250x250	46.1	45.6	264	284	21	SM3 (1.3 pin) interface
LS-3FLH300200K50 colours: R, B, W	300x200	44.2	43.7	314	234	21	SM3 (1.3 pin) interface
LS-3FLH300300K50 colours: R, B, W	300x300	57.1	56.7	314	334	21	SM3 (1.3 pin) interface
LS-3FLH350350K50 colours: R, B, W	350x350	78.3	77.9	364	384	21	SM3 (1.3 pin) interface
LS-3FLH400200K50 colours: R, B, W	400x200	50.6	50.2	414	234	21	SM3 (1.3 pin) interface
LS-3FLH400300K50 colours: R, B, W	400x300	76.7	76.3	414	334	21	SM3 (1.3 pin) interface
LS-3FLH400400K50 colours: R, B, W	400x400	102.8	102.4	414	434	21	4-pin WS16 aviation interface
LS-3FLH450450K50 colours: R, B, W	450x450	84.5	100.2	464	504	31	4-pin WS16 aviation interface
LS-3FLH500300K50 colours: R, B, W	500x300	62.3	73.9	514	354	31	4-pin WS16 aviation interface
LS-3FLH500400K50 colours: R, B, W	500x400	83.4	99.0	514	454	31	4-pin WS16 aviation interface
LS-3FLH500500K50 colours: R, B, W	500x500	104.5	124.0	514	554	31	4-pin WS16 aviation interface
LS-3FLH600400K50 colours: R, B, W	600x400	100.3	119.0	614	454	31	4-pin WS16 aviation interface
LS-3FLH600600K50 colours: R, B, W	600x600	151.0	179.2	614	654	32	4-pin WS20 aviation interface
LS-3FLH700500K70 colours: R, B, W	700x500	145.7	172.9	714	554	31	4-pin WS20 aviation interface
LS-3FLH700700K70 colours: R, B, W	700x700	204.9	243.0	714	754	32	4-pin WS20 aviation interface

LS-3FLH800600K70 colours: R, B, W	800x600	200.6	238.0	814	654	32	4-pin WS20 aviation interface
LS-3FLH800800K70 colours: R, B, W	800x800	219.5	256.0	814	854	32	4-pin WS20 aviation interface
LS-3FLH900900K70 colours: R, B, W	900x900	278.2	324.6	914	954	32	4-pin WS20 aviation interface
LS-3FLH10001000K70 colours: R, B, W	1000x1000	343.9	401.2	1014	1054	32	4-pin WS20 aviation interface

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

Dimensions

