

Flat shadowless light (FLS series)

LS-FLS-H series · Shadowless lights · 8 models

Flat shadowless light: a thin square light with a central window that illuminates uneven, curved and printed surfaces without shadows; FLS (dot) and 2FLS (no dot) versions.



Features

- Thin square body, 10-12.5 mm high, with a central viewing window
- FLS (dot) and 2FLS (no dot) versions (application example: bottle body character)
- Three-colour RGB light source, size and height, wavelength/colour temperature, mounting and input wire length customization

Applications

- Defect detection of objects with uneven surfaces
- Appearance inspection of electronic components
- Arc surface character detection, cylinder surface detection
- Packaging character recognition, canned surface printing 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
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-FLS<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-FLS5050 colours: R, B, W	50x50	2.8	5.5	93	93	11.5
LS-FLS100100 colours: R, B, W	100x100	5.5	8.5	143	143	11.5
LS-FLS150150 colours: R, B, W	150x150	8.5	11	193	193	12.5
LS-FLS200150 colours: R, B, W	200x150	10	12.5	243	193	12.5
LS-FLS200200 colours: R, B, W	200x200	11.2	14	243	243	12.5
LS-2FLS5050 colours: R, B, W	50x50	2.8	5.5	90	90	10
LS-2FLS100100 colours: R, B, W	100x100	5.5	8.5	140	140	10
LS-2FLS150150 colours: R, B, W	150x150	8.5	11	190	190	11

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

Dimensions

