

Square shadowless light source (FQS)

LS-FQS series · Shadowless lights · 7 models

Square shadowless light suitable for measuring square objects, giving uniform illumination and eliminating reflections.

Features

- Suitable for square object measuring
- Uniform illumination
- Eliminate the reflections

Applications

- FPC product positioning
- Electronic components inspection
- Pin bending inspection
- Pin surface dirt inspection
- IC pin drop inspection
- Inspection of substrate appearance pattern



Colours

R	620-630 nm
G	520-530 nm
B	465-475 nm
W	6000-6500 K

Common specifications

Wavelength red	620-630 nm
Wavelength green	520-530 nm
Wavelength blue	465-475 nm
Colour temperature white	6000-6500 K
Wavelength IR	850-940 nm
Wavelength UV	365-405 nm

Storage temperature	20 to 60 °C
Operating temperature	0 to 40 °C
Humidity	20-85 %RH (non-condensing)
Optional accessories	Extension cable
Controller	LS-DPS series, LS-APS series, LS-SPS series (the selected controller should match the power of the light source)
Service life (red)	60000 h continuous at 25 °C, 50% illumination, to 50% decrement
Service life (white)	30000 h continuous at 25 °C, 50% illumination, to 50% decrement
Warranty	1 year from shipment (faults not caused by the user: free repair or replacement)
Illuminance chart reference	LS-FQS96-W; uniformity LS-FQS180120-W, FOV 220 x 220 mm at LWD 10/30/50 mm

Ordering code: LS-FQS<overall size mm>-<R/G/B/W> (e.g. LS-FQS120-R)

Models

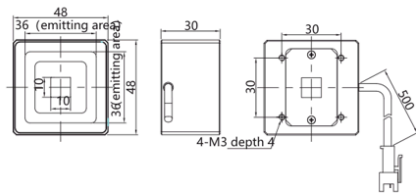
Model	Power R (W)	Power G/B/W (W)	Overall L (mm)	Overall W (mm)
LS-FQS48-R/G/B/W colours: R, G, B, W	1.2	2.3	48	48
LS-FQS75-R/G/B/W colours: R, G, B, W	2.3	3.4	75	75
LS-FQS96-R/G/B/W colours: R, G, B, W	2.8	4.5	96	96
LS-FQS120-R/G/B/W colours: R, G, B, W	3.4	4.5	120	120
LS-FQS180120-R/G/B/W colours: R, G, B, W	7.2	6.8	180	120
LS-FQS234-R/G/B/W colours: R, G, B, W	15	18	234	234
LS-FQS300200-R/G/B/W colours: R, G, B, W	13	18	300	200

More values per model (Overall H (mm), Recommended controller) are on each product page.

Dimensions

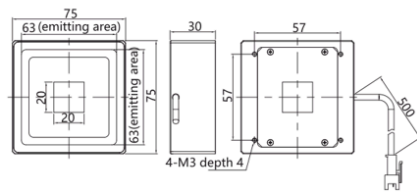
LS-FQS48

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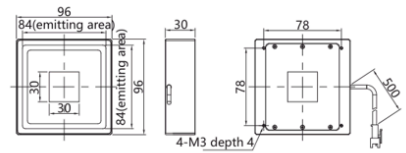
LS-FQS75

2



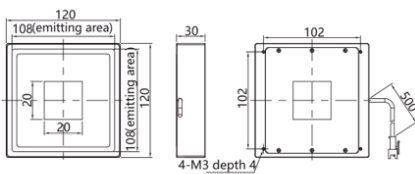
LS-FQS96

3



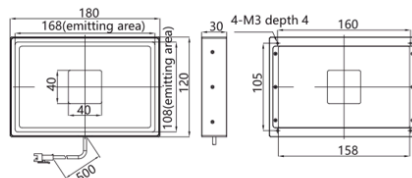
LS-FQS120

4



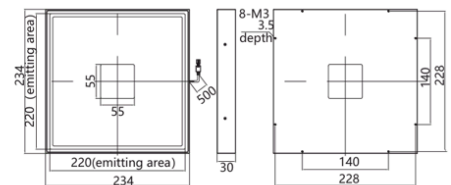
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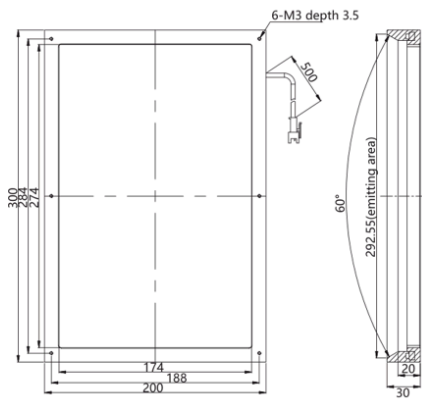
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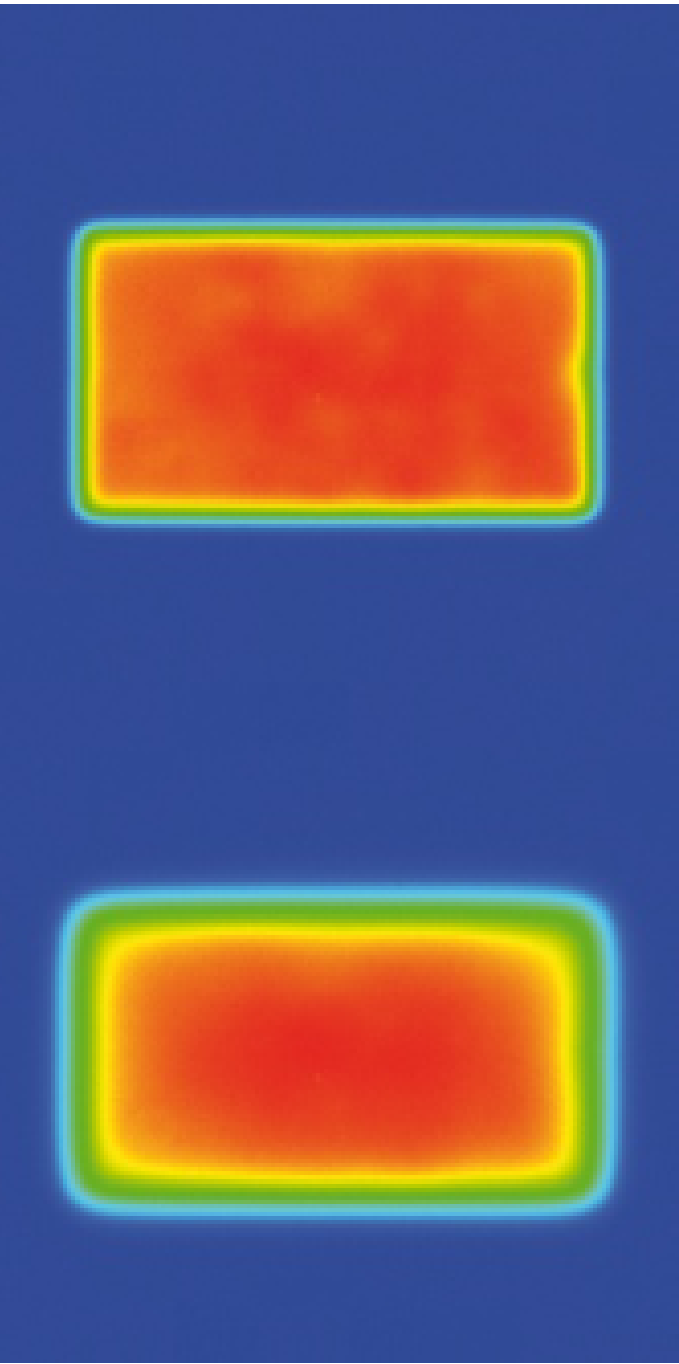
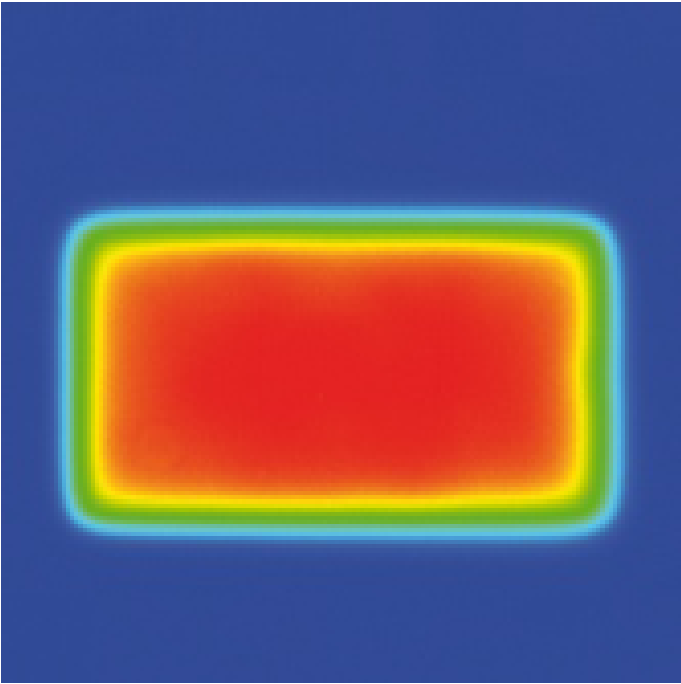
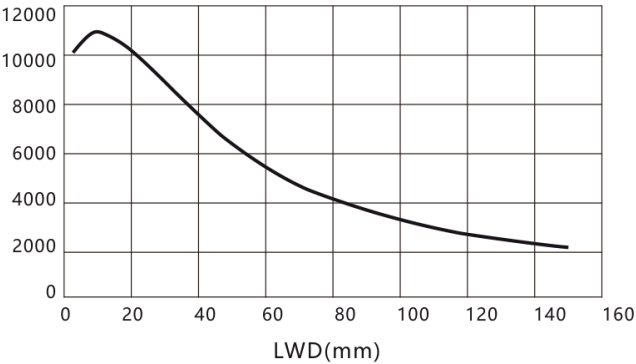


LS-FQS300200

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Performance



Product views

