

Parallel side back light source (2PFS)

LS-2PFS series · Backlights · 9 models

Ultra-thin parallel side backlight; light from several sides gives overall uniformity, and special optical material with a simple structure eliminates shadows for precise dimension measurement.

Features

- Multilateral lights make the overall uniformity
- Ultra-thin design, can meet different installation space requirements
- Various installation methods for convenient mounting
- Special optical material design, simple structure, can eliminate the shadow

Applications

- High precision dimension measuring
- Inspection of foreign matter on metal surface
- Inspection of glue on metal surface
- Glass vessel inspection
- Screen positioning and fitting
- Optical fibre alignment
- Hardware products measuring
- Spring interval measuring



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-2PFS100100-W; uniformity at LWD 100 mm, FOV 140 x 140 mm

Ordering code: LS-2PFS<luminous length mm><luminous width mm>-<R/G/B/W> (2 = version, PFS = parallel side back light source)

Models

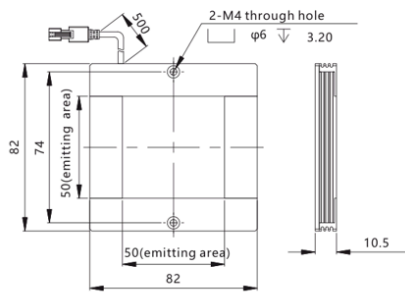
Model	Power R (W)	Power G/B/W (W)	Luminous size (mm)	Overall L (mm)	Overall W (mm)	Overall H (mm)
LS-2PFS5050-R/G/B/W colours: R, G, B, W	5.6	9	50 x 50	82	82	10.5
LS-2PFS9090-R/G/B/W colours: R, G, B, W	12	12	90 x 90	122	122	10.5
LS-2PFS100100-R/G/B/W colours: R, G, B, W	12	14	100 x 100	132	132	10.5
LS-2PFS150150-R/G/B/W colours: R, G, B, W	17	18	150 x 150	182	182	10.5
LS-2PFS200200-R/G/B/W colours: R, G, B, W	23	23	200 x 200	232	232	10.5
LS-2PFS250200-R/G/B/W colours: R, G, B, W	28	27	250 x 200	282	232	10.5
LS-2PFS320320-R/G/B/W colours: R, G, B, W	34	36	320 x 320	352	352	10.5
LS-2PFS400300-R/G/B/W colours: R, G, B, W	54	56	400 x 300	432	332	10.5
LS-2PFS600400-R/G/B/W colours: R, G, B, W	68	79	600 x 400	632	432	11.5

More values per model (Recommended controller) are on each product page.

Dimensions

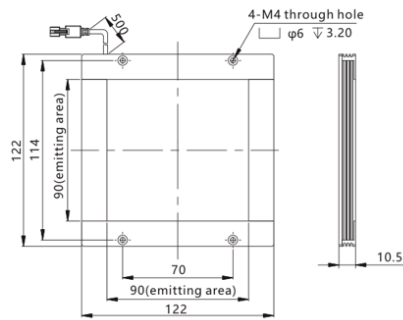
LS-2PFS5050

1



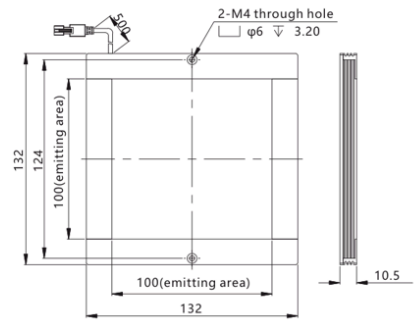
LS-2PFS9090

2



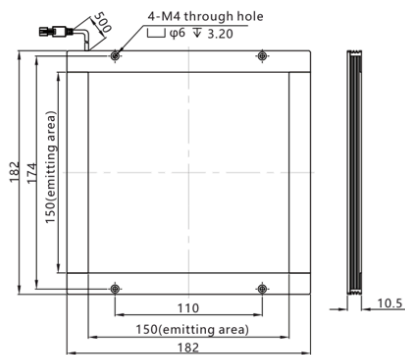
LS-2PFS100100

3



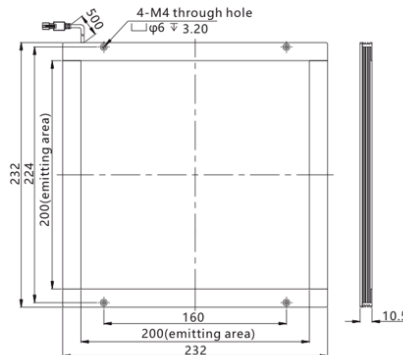
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4



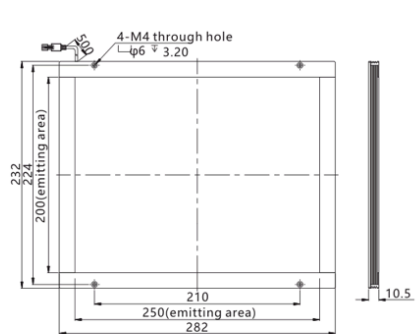
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5



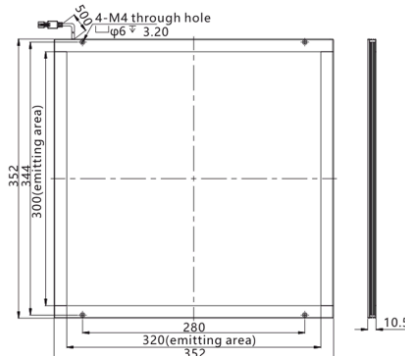
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6



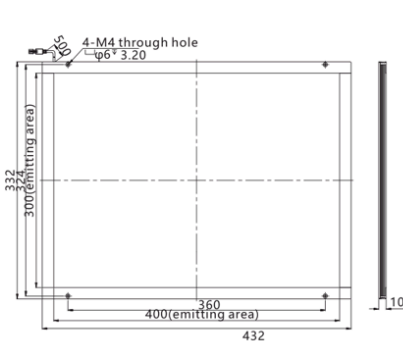
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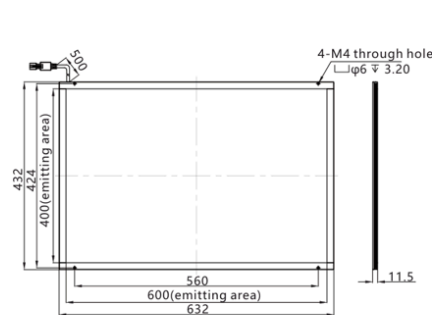
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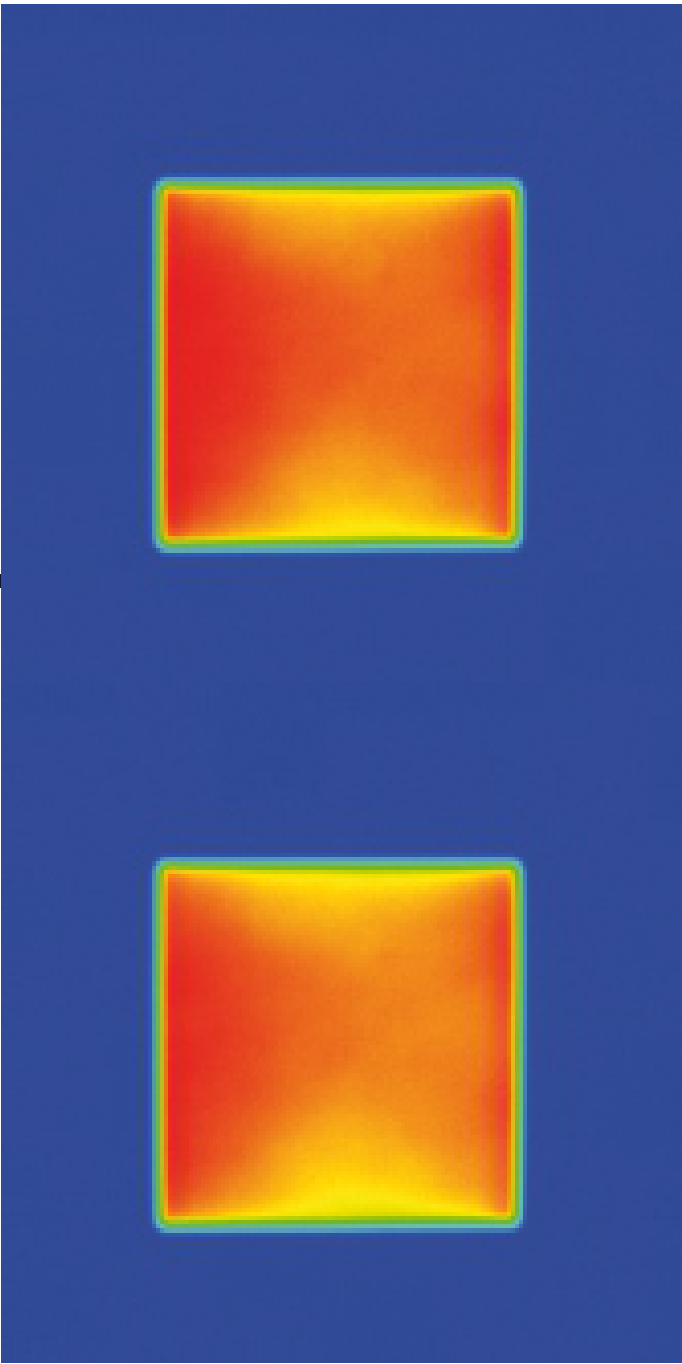
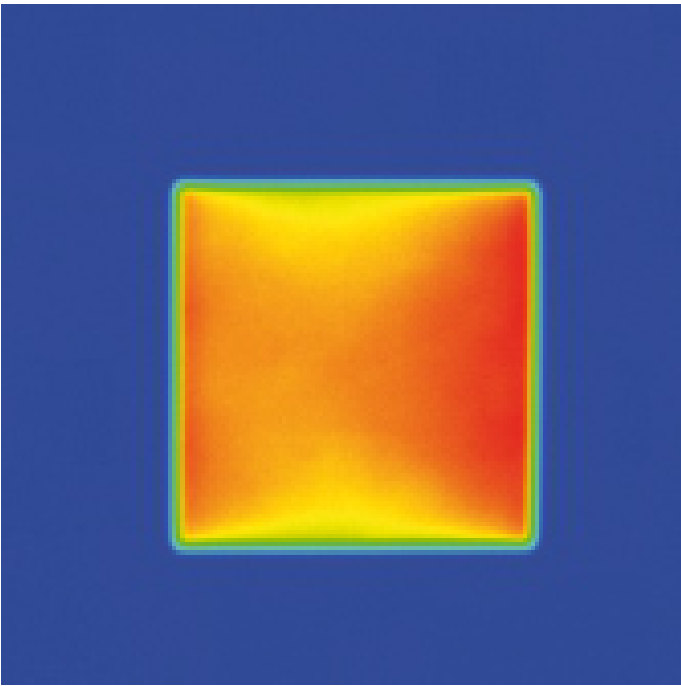
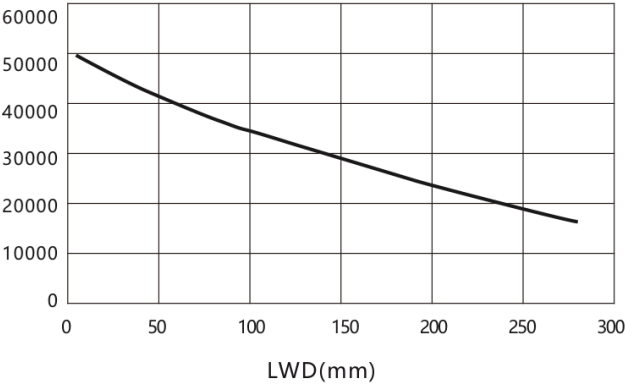


LS-2PFS600400

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Performance



Product views

