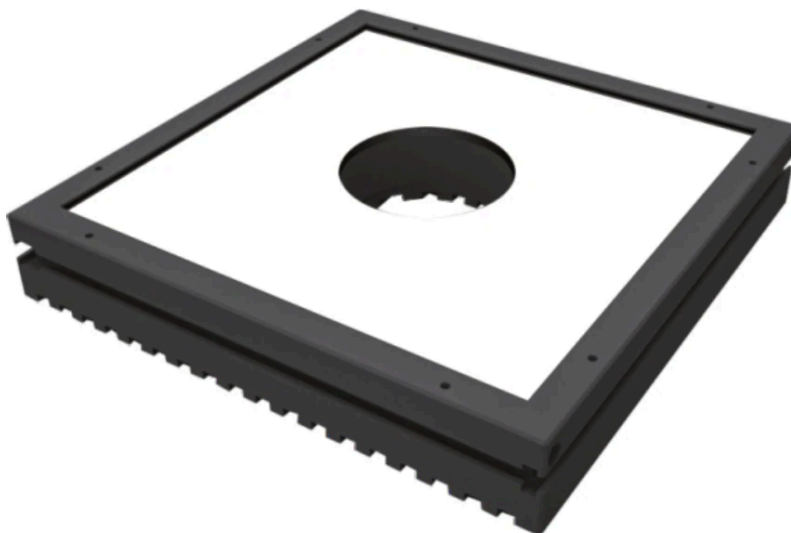


Opening back light source (KHFS)

LS-KHFS series · Backlights · 11 models



Backlight with high-density LEDs at the bottom and a round or square hole through the centre so it can also be used as front lighting through the light. Good uniformity, soft natural light and high brightness; sizes and holes can be customized.

Features

- High density LED distributed at the bottom of the light source
- Good uniformity, soft and natural light, high brightness
- Flexible size, convenient customization, wide range of applications (square or round hole can be opened)
- A variety of installation methods, easy to install

Applications

- Ceramic surface pattern inspection
- Tablet appearance inspection
- Carton positioning
- Compressor surface defect inspection
- Key character recognition of remote controls
- LED substrate inspection
- External contour edge positioning

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-KHFS150150F1815-W; uniformity LS-KHFS165165Y35 at LWD 100 mm, FOV 200 x 200 mm

Ordering code: G-[version]KHFS<luminous length mm><luminous width mm><Y = round hole | F = square hole><hole ID mm (square: L & W)>--<R/G/B/W> (e.g. LS-2KHFS5050Y35-R)

Models

Model	Power R (W)	Power G/B/W (W)	Luminous size (mm)	Overall L (mm)	Overall W (mm)	Overall H (mm)	Recommended controller
LS-KHFS9898F30-R/G/B/W colours: R, G, B, W	5.5	9.7	98 x 98	110	110	20	LS-DPS, LS-APS, LS-SPS
LS-KHFS10585Y20-R/G/B/W colours: R, G, B, W	5.9	8.4	105 x 85	120	120	19	LS-DPS, LS-APS, LS-SPS
LS-KHFS120120Y35-R/G/B/W colours: R, G, B, W	8.4	13	120 x 120	155	135	19	LS-DPS, LS-APS, LS-SPS
LS-KHFS190130F30-R/G/B/W colours: R, G, B, W	19	26	190 x 130	206	146	24	LS-DPS, LS-APS, LS-SPS
LS-KHFS200100Y35-R/G/B/W colours: R, G, B, W	12	17	200 x 100	214	134	19	LS-DPS, LS-APS, LS-SPS
LS-KHFS250200Y35-R/G/B/W colours: R, G, B, W	35	49	250 x 200	266	216	24	LS-DPS, LS-APS, LS-SPS
LS-KHFS250250Y50-R/G/B/W colours: R, G, B, W	36	51	250 x 250	285	265	20	LS-DPS, LS-APS, LS-SPS
LS-KHFS320320Y50-R/G/B/W colours: R, G, B, W	59	81	320 x 320	365	335	21	LS-HAPS (dia. 12)
LS-KHFS350350Y50-R/G/B/W colours: R, G, B, W	73	105	350 x 350	366	366	24	LS-HAPS (dia. 12)
LS-2KHFS180150Y35-R/G/B/W colours: R, G, B, W	17	24	180 x 150	194	164	19	LS-DPS, LS-APS, LS-SPS

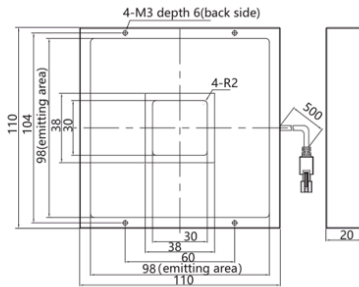
LS-2KHFS300200Y35-R/ G/B/W colours: R, G, B, W	38	54	300 x 200	314	214	19	LS-DPS, LS-APS, LS-SPS
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More values per model (Opening) are on each product page.

Dimensions

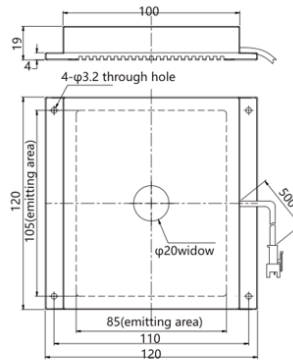
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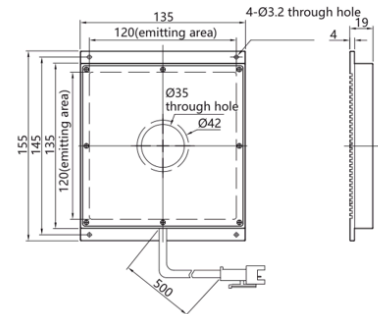
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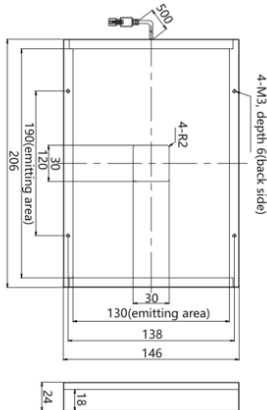
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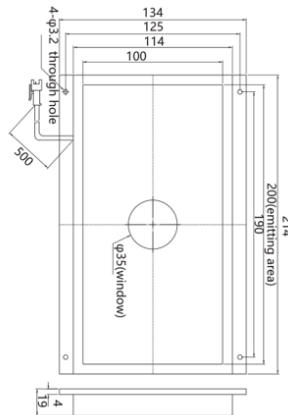
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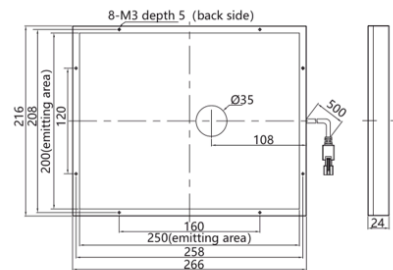
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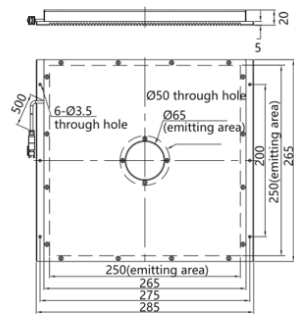
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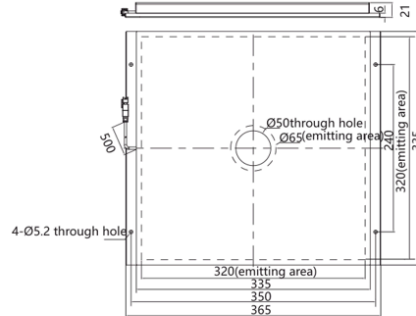
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7



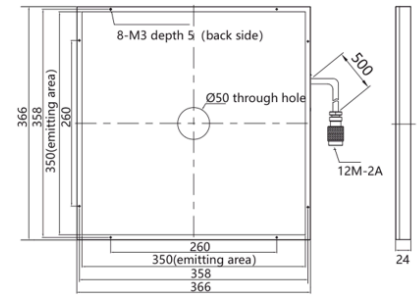
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8



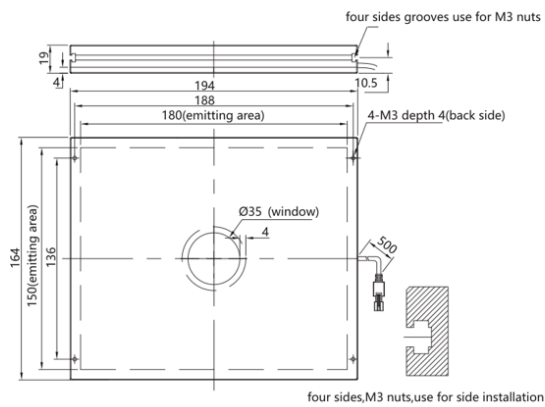
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9



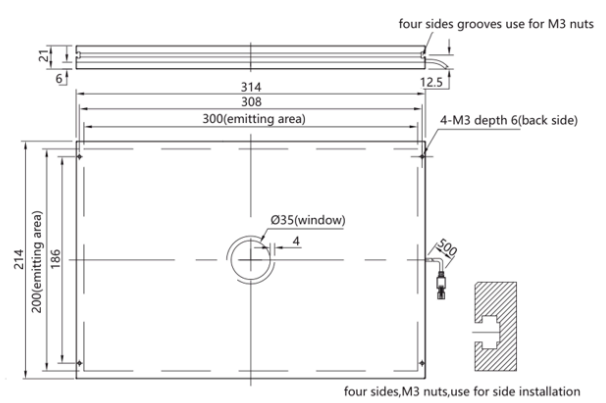
LS-2KHFS180150Y35

10

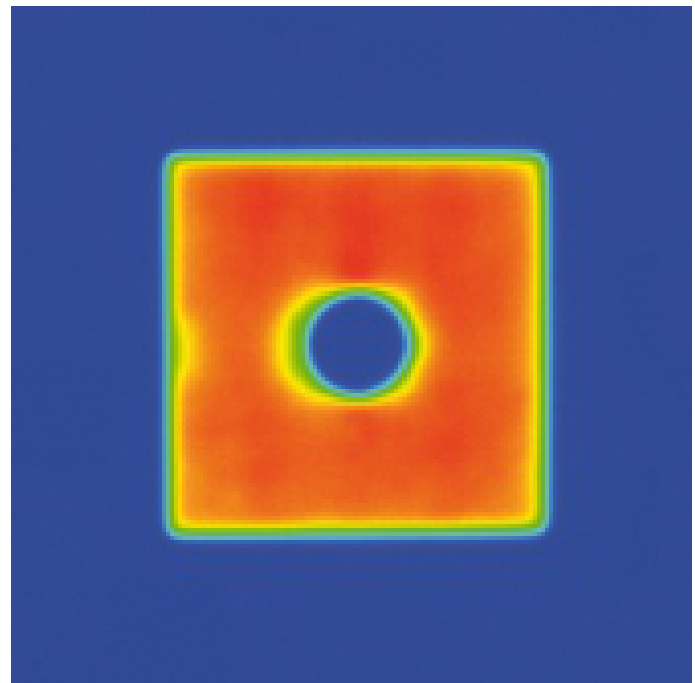
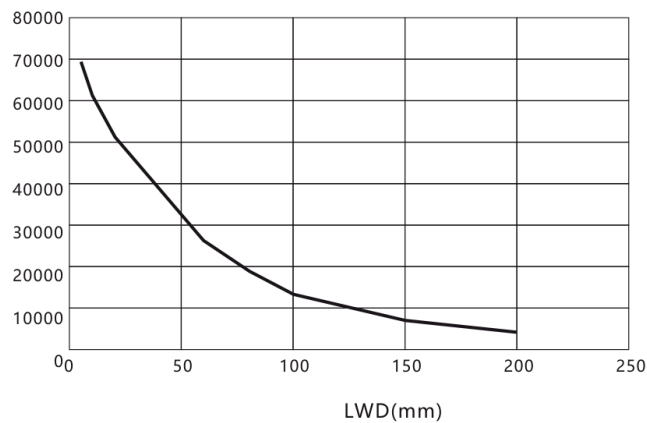


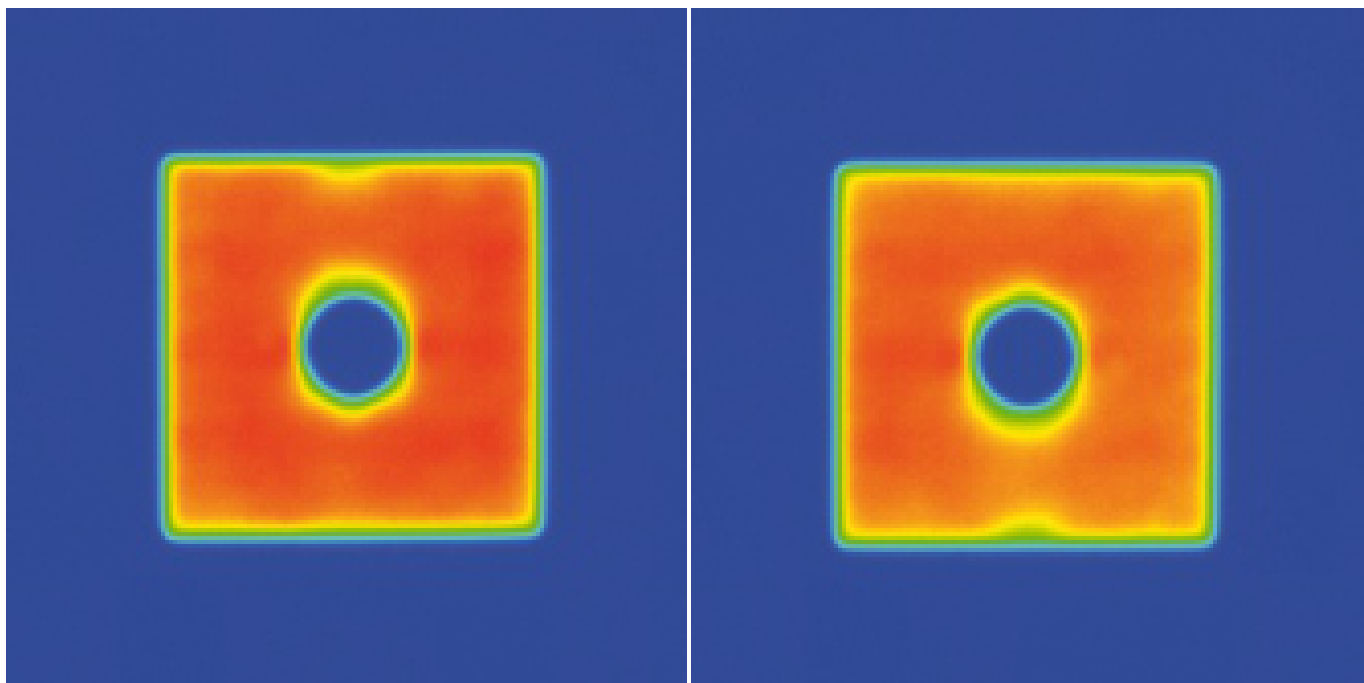
LS-2KHFS300200Y35

11



Performance





Product views

