

Shadowless light source (FLS)

LS-FLS series · Shadowless lights · 5 models

Small-size shadowless ring light; diffuse reflective material conducts the light for uniform illumination.

Features

- Uniform illumination
- Small size
- Diffuse reflective material conducts light uniformly

Applications

- Shells of electrical equipment and components
- Character inspection on highly reflective, uneven surfaces
- Fabric pattern inspection
- Dimension measurement and QR code recognition
- Inspection of laser characters on ceramic capacitor surfaces
- Plastic surface scratch inspection
- Inkjet character recognition
- Disposable cup dirt inspection



Colours

R	620-630 nm
G	520-530 nm
B	465-475 nm
W	6000-10000 K

Common specifications

Wavelength red	620-630 nm
Wavelength green	520-530 nm
Wavelength blue	465-475 nm
Colour temperature white	6000-10000 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-FLS116-W; uniformity LS-FLS116-W, FOV 120 x 120 mm at LWD 0/50/100 mm

Ordering code: LS-FLS<max OD mm>-<R/G/B/W> (e.g. LS-FLS116-R)

Models

Model	Power R (W)	Power G/B/W (W)	Overall OD (mm)	Overall ID (mm)	Overall H (mm)
LS-FLS48-R/G/B/W colours: R, G, B, W	0.8	1.2	48	10	18.5
LS-FLS60-R/G/B/W colours: R, G, B, W	1.2	2	60	18	15
LS-FLS74-R/G/B/W colours: R, G, B, W	1.6	2.4	74	20	18
LS-FLS116-R/G/B/W colours: R, G, B, W	2.4	4	116	44	17
LS-FLS160-R/G/B/W colours: R, G, B, W	4	5.9	160	44	19.5

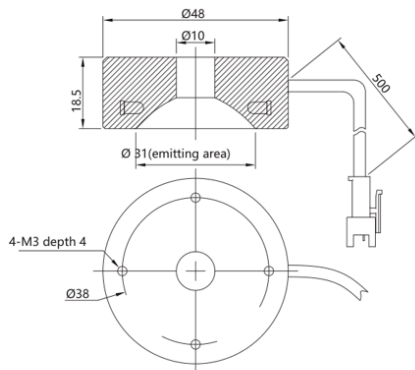
More values per model (Recommended controller) are on each product page.

Dimensions



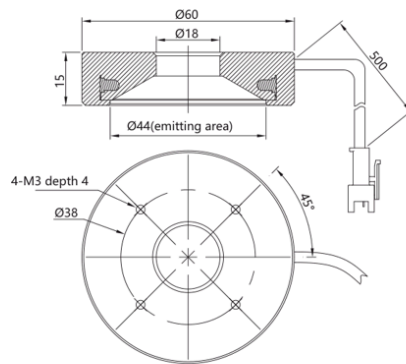
LS-FLS48

1



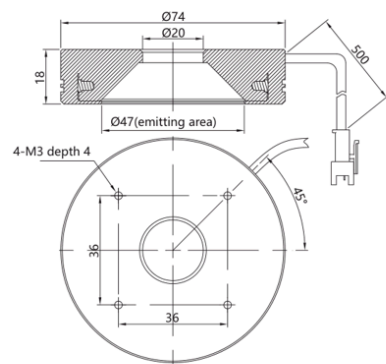
LS-FLS60

2



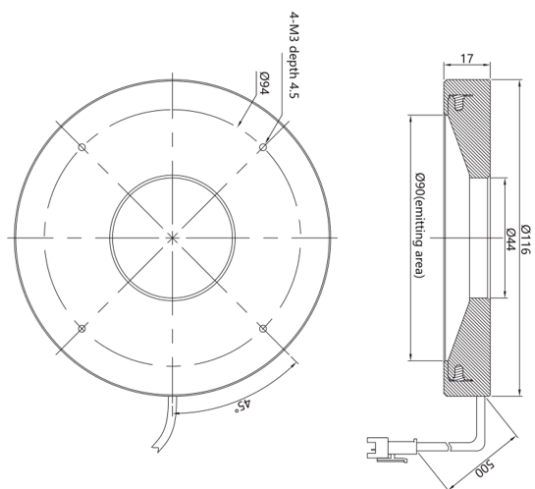
LS-FLS74

3



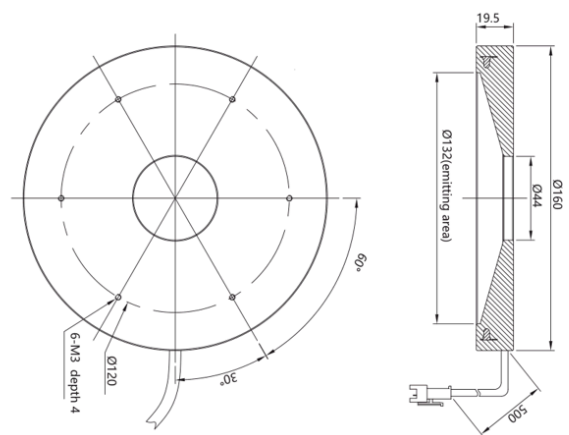
LS-FLS116

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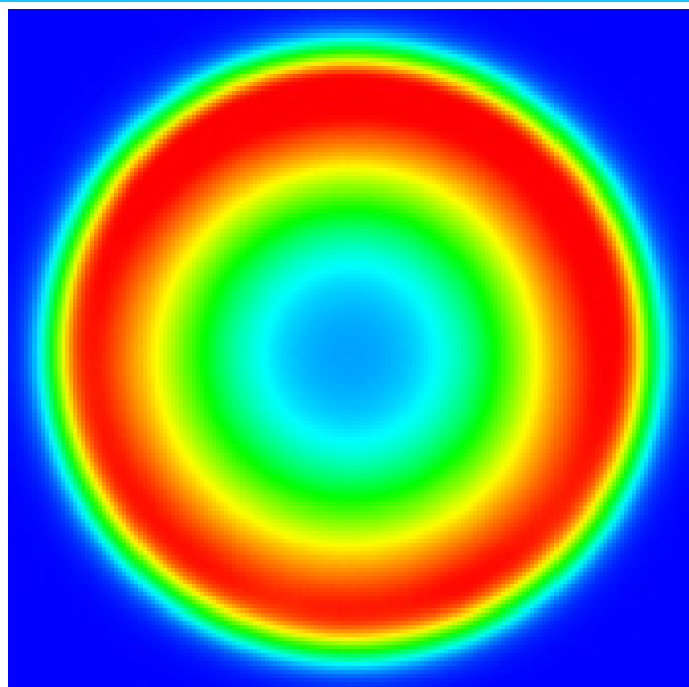
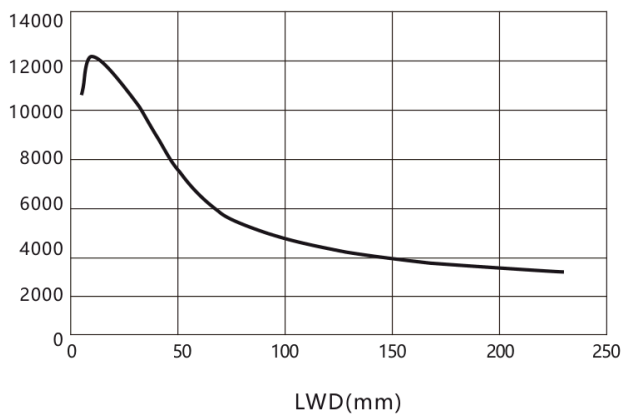


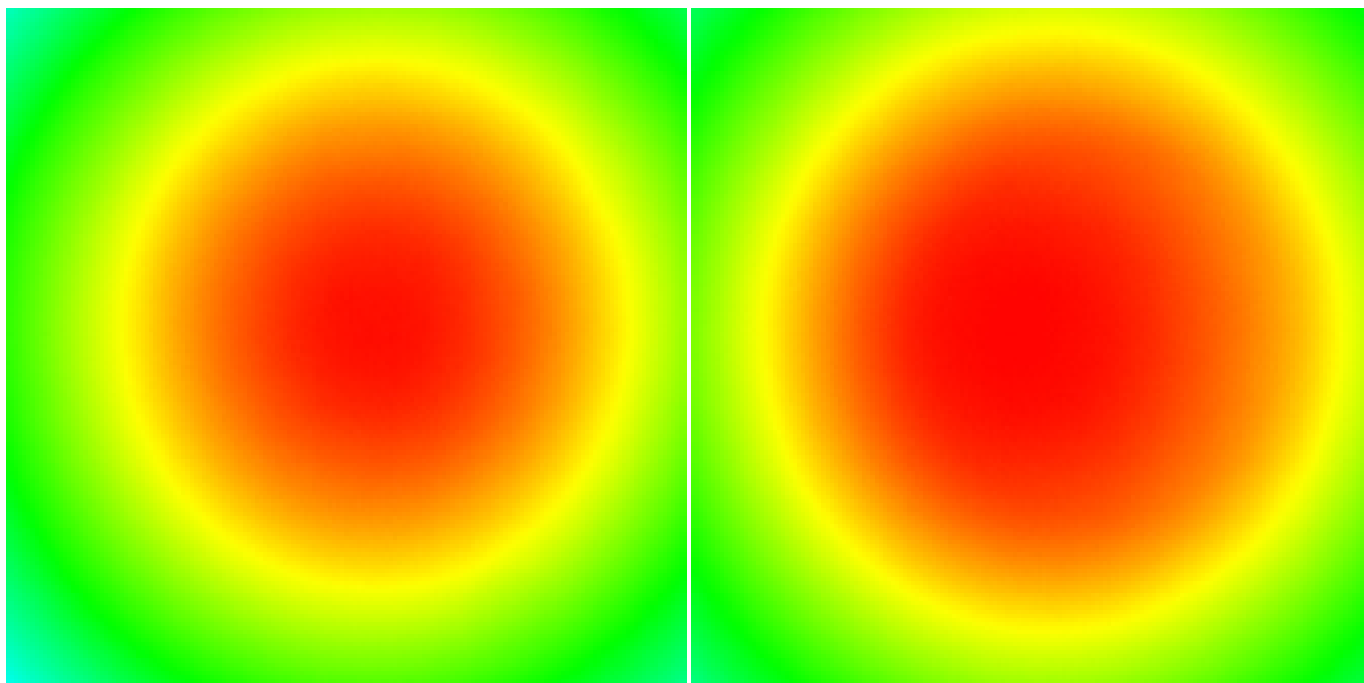
LS-FLS160

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Performance





Product views

