

Spot light source (SPL)

LS-SPL series · Spot lights · 2 models



Point light with high brightness and a small luminous area; compact with efficient heat dissipation, low power consumption and long life. Can replace fibre-optic halogen lamps and suits coaxial illumination through lenses.

Features

- High brightness, small luminous area
- Compact, efficient heat dissipation, low power consumption and long service life
- Can replace optical fibre halogen lamps; suitable for coaxial illumination through lenses

Applications

- Wafer positioning and defect inspection
- Optical filter surface defect inspection
- Mark point positioning
- Flat object surface defect inspection
- Flat object positioning inspection
- Positioning inspection
- Distinguishing different materials for positioning
- Dedicated light source for coaxial lens inspection

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-CPL 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-SPL0859-W; uniformity LS-SPL0859 at LWD 110 mm, FOV 40 x 40 mm

Ordering code: LS-SPL<OD mm><length mm>-<R/G/B/W> (e.g. LS-SPL0859-R)

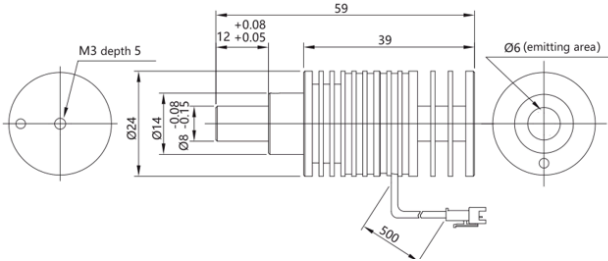
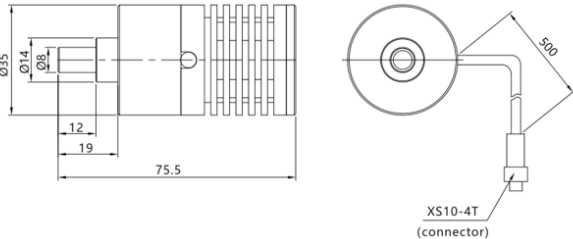
Models

Model	Power (W)	Overall OD (mm)	Overall H (mm)	Recommended controller
LS-SPL0859-R/G/B/W colours: R, G, B, W	3	24	59	LS-CPL0520A-4TD
LS-SPL08-75.5-W colours: W	10	35	75.5	LS-CPL0540A-4TD

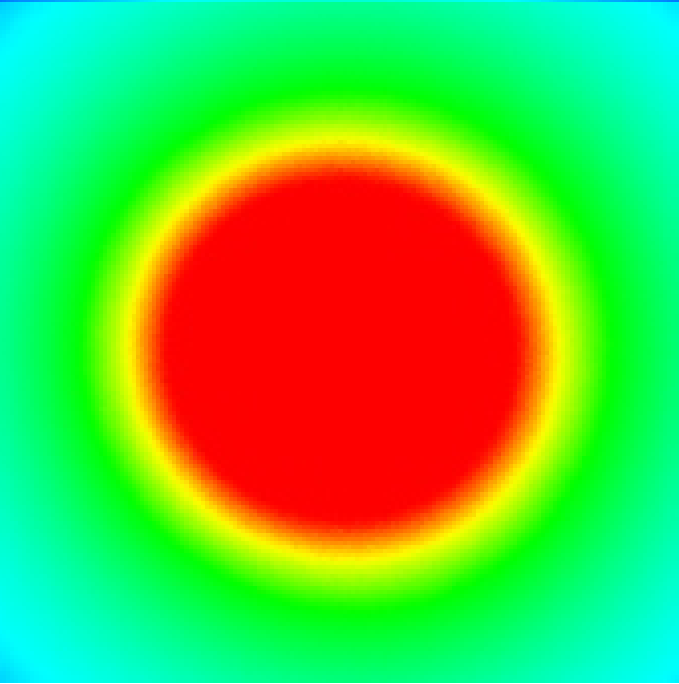
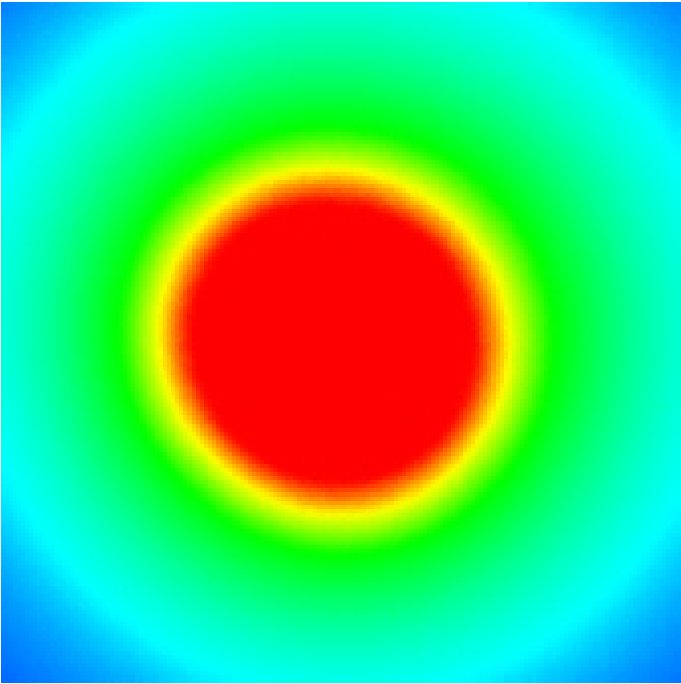
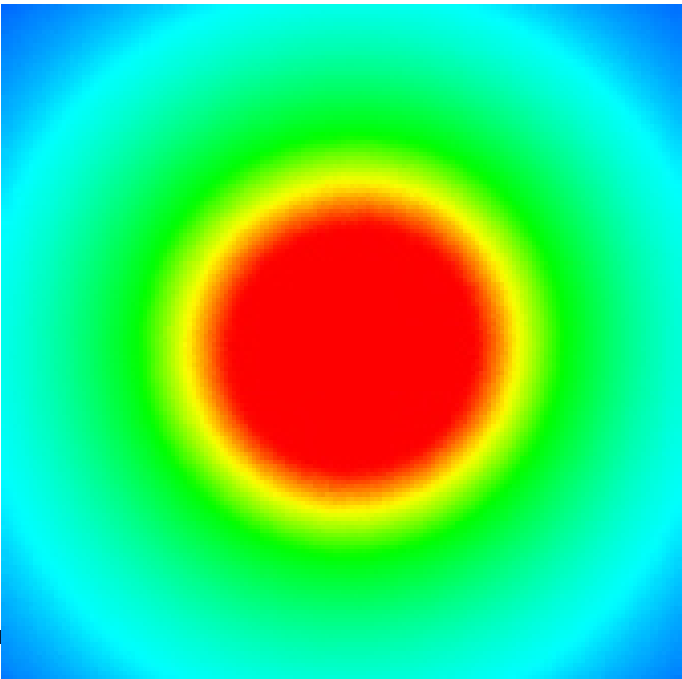
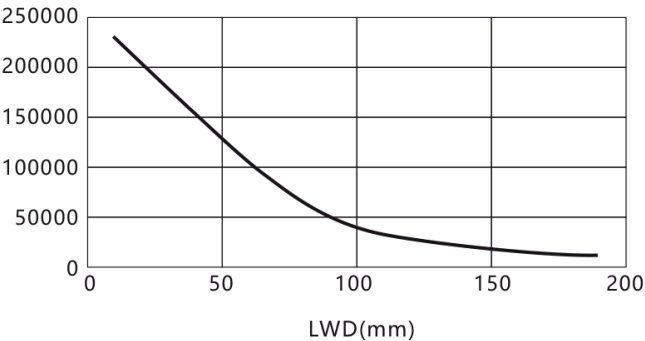
More values per model (Overall ID (mm)) are on each product page.

Dimensions

LS-SPL0859	1	LS-SPL08-75.5	2
------------	---	---------------	---

Performance



Product views

