

Oblique line light (LIS)

LS-LIS series · Line scan lights · 10 models

Line light with a special optical design in which the light exits obliquely in a crossing pattern. A unique heat-dissipation structure increases the service life, and different lengths can be customised to the actual installation size.



Features

- Special optical design: the light exits obliquely in a crossing pattern
- Unique heat-dissipation structure increases the service life of the light
- Different lengths can be customised to the actual installation size

Applications

- Scratch inspection on metal housing surfaces
- Glass surface scratch inspection
- Scratch inspection of 2.5D phone screens
- LCD screen surface scratch inspection
- Glass defect inspection (imaging example, 2LIS300-W)

Colours

R	620-630 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
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)
Controller	LS-CPL48320C-1T/2T, LS-CPL48760C-1T/2T (the selected controller must match the light power)
Emitting width (mm)	17
Length increment	emitting length in multiples of 150 mm
Illuminance chart reference	LS-2LIS450-W; uniformity LS-2LIS450-W, FOV 460 x 460 mm at LWD 10/50/100 mm
Effective range (LS-2LIS600-W)	illuminated width 580 mm at LWD 10 mm, 540 mm at LWD 30 mm, 500 mm at LWD 50 mm, 450 mm at the next mark (printed 'LWD 10mm'), 380 mm at LWD 70 mm; the two crossing beams (right / left) meet at LWD 100 mm

Ordering code: G-[version]LIS<emitting length mm>-<R/G/B/W> (catalog example LS-2LIS450-W: brand - version identifier - line light - emitting length (mm) - colour R, G, B, W etc.)

Models

Model	Power R (W)	Power G/B/W (W)	Light cable quantity	Mounting drawing	Recommended controller	Emitting area (mm, drawing)	Cable length (mm)
LS-LIS150 colours: R, B, W	20	20	1	Fig. 1	LS-CPL48320C-1T, LS-CPL48320C-2T	150 x 17	1500
LS-LIS300 colours: R, B, W	39	39	1	Fig. 1	LS-CPL48320C-1T, LS-CPL48320C-2T	300 x 17	1500
LS-LIS450 colours: R, B, W	58	58	1	Fig. 1	LS-CPL48320C-1T, LS-CPL48320C-2T	450 x 17	1500
LS-LIS600 colours: R, B, W	77	77	1	Fig. 1	LS-CPL48320C-1T, LS-CPL48320C-2T	600 x 17	1500

LS-LIS750 colours: R, B, W	96	96	1	Fig. 1	LS-CPL48320C-1T, LS-CPL48320C-2T	750 x 17	1500
LS-2LIS150 colours: R, B, W	44	54	1	Fig. 2	LS-CPL48320C-1T, LS-CPL48320C-2T	150 x 17	1500
LS-2LIS300 colours: R, B, W	87	108	1	Fig. 2	LS-CPL48320C-1T, LS-CPL48320C-2T	300 x 17	1500
LS-2LIS450 colours: R, B, W	130	162	1	Fig. 2	LS-CPL48320C-1T, LS-CPL48320C-2T	450 x 17	1500
LS-2LIS600 colours: R, B, W	173	216	2	Fig. 3	LS-CPL48320C-1T	600 x 17	2 x 1500
LS-2LIS750 colours: R, B, W	216	270	2	Fig. 3	LS-CPL48320C-1T	750 x 17	2 x 1500

More values per model (Extension cable, Overall length (mm, drawing formula $L = 45 + X$), Width (mm, drawing), Height (mm, drawing), Connector, Mounting, Fan quantity, Height incl. fan (mm, drawing), Overall length (mm, drawing formula $L = 70 + X$)) are on each product page.

Dimensions

图 1

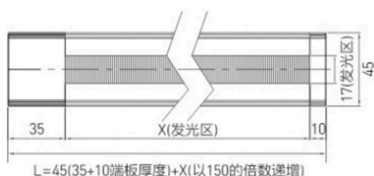


图 2

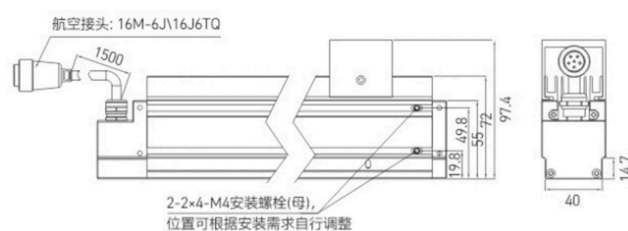
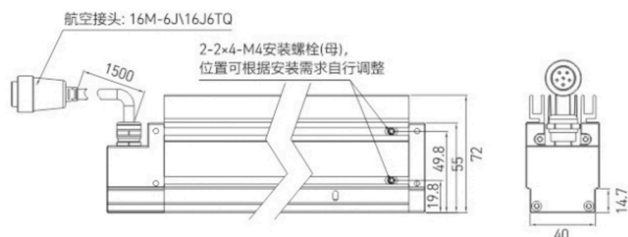
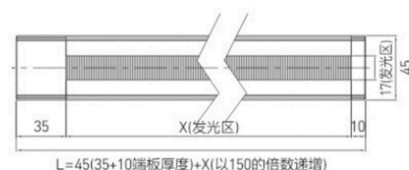
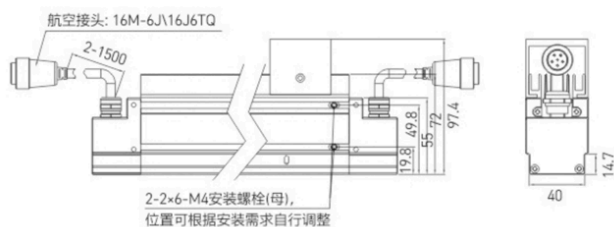
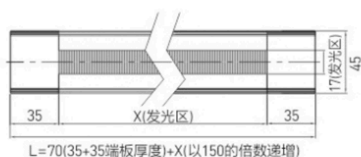
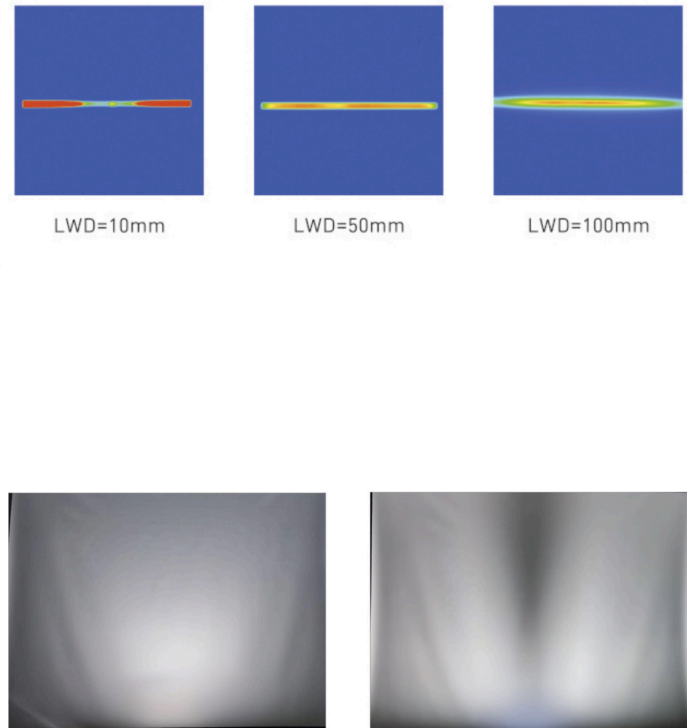
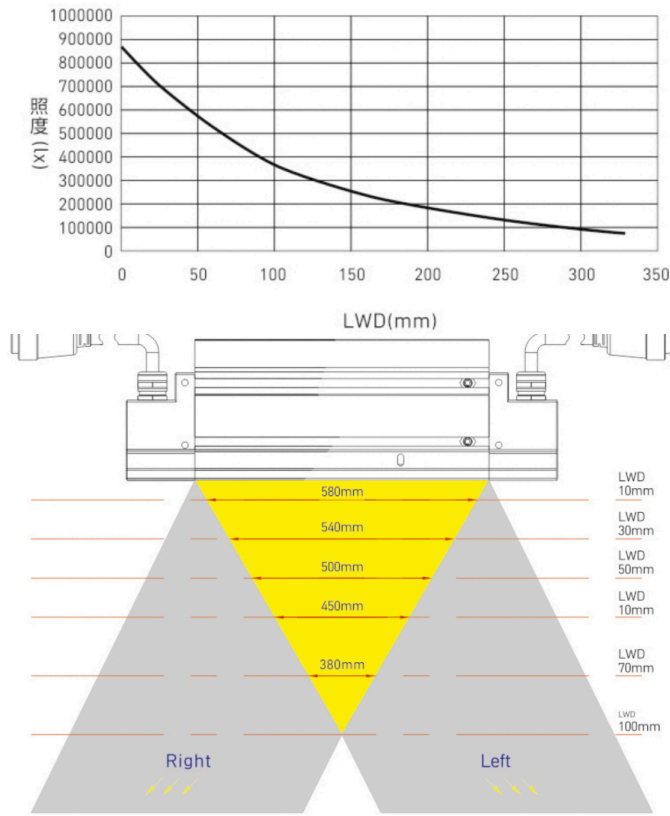


图 3



Performance



Product views

