

Ultra-high-brightness line light (LSH)

LS-LSH series · Line scan lights · 18 models



New-generation high-brightness line light with an air-cooled design and brightness up to 1.8 million lux. It can be used as a front light or a back light, and lengths can be customised to the site installation size.

Features

- New-generation high-brightness line light, air-cooled design, brightness up to 1,800,000 lux
- Can be used as a front light or as a back light
- Different lengths can be customised to the site installation size

Applications

- High-speed motion scanning inspection
- Graphene material appearance inspection
- Lithium battery coating inspection
- Character inspection in the printing industry
- Metal surface scratch inspection
- Phone screen surface defect inspection
- Laptop housing oil stain inspection
- Lithium battery surface defect inspection

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)
Cooling	Fan (air cooled)
Brightness	up to 1,800,000 lux
Emitting width (mm)	22
Length increment	emitting length in multiples of 75 mm
Illuminance chart reference	LS-LSH450-W; uniformity LS-LSH450-W, FOV 460 x 460 mm at LWD 10/50/100 mm

Ordering code: LS-LSH<emitting length mm>-<R/G/B/W> (catalog example LS-LSH450-W: brand - line light - emitting length (mm) - colour R, G, B, W etc.)

Models

Model	Power R (W)	Power G/B/W (W)	Light cable quantity	Extension cable	Fan quantity	Mounting drawing	Recommended controller
LS-LSH75 colours: R, B, W	37	37	1	LS-AC16P6-LX	1	Fig. 1	LS-CPL48320C-1T, LS-CPL48320C-2T
LS-LSH150 colours: R, B, W	74	74	1	LS-AC16P6-LX	2	Fig. 1	LS-CPL48320C-1T, LS-CPL48320C-2T
LS-LSH225 colours: R, B, W	111	111	1	LS-AC16P6-LX	3	Fig. 1	LS-CPL48320C-1T, LS-CPL48320C-2T
LS-LSH300 colours: R, B, W	148	148	1	LS-AC16P6-LX	4	Fig. 1	LS-CPL48320C-1T, LS-CPL48320C-2T
LS-LSH375 colours: R, B, W	185	185	2	LS-AC16P6-LX	4	Fig. 2	LS-CPL48320C-1T
LS-LSH450 colours: R, B, W	222	222	2	LS-AC16P6-LX	5	Fig. 2	LS-CPL48320C-1T
LS-LSH525 colours: R, B, W	259	259	2	LS-AC16P6-LX	6	Fig. 2	LS-CPL48320C-1T
LS-LSH600 colours: R, B, W	296	296	2	LS-AC16P6-LX	7	Fig. 2	LS-CPL48320C-1T
LS-LSH675 colours: R, B, W	333	333	2	LS-AC24P6-LX	8	Fig. 3	LS-CPL48760C-1T
LS-LSH750 colours: R, B, W	370	370	2	LS-AC24P6-LX	9	Fig. 3	LS-CPL48760C-1T
LS-LSH825 colours: R, B, W	407	407	2	LS-AC24P6-LX	10	Fig. 3	LS-CPL48760C-1T

LS-LSH900 colours: R, B, W	444	444	2	LS-AC24P6- LX	11	Fig. 3	LS-CPL48760C-1T
LS-LSH975 colours: R, B, W	481	481	2	LS-AC24P6- LX	11	Fig. 3	LS-CPL48760C-1T
LS- LSH1050 colours: R, B, W	518	518	2	LS-AC24P6- LX	12	Fig. 3	LS-CPL48760C-1T
LS-LSH1125 colours: R, B, W	555	555	2	LS-AC24P6- LX	13	Fig. 3	LS-CPL48760C-1T
LS- LSH1200 colours: R, B, W	592	592	2	LS-AC24P6- LX	14	Fig. 3	LS-CPL48760C-1T
LS-LSH1275 colours: R, B, W	629	629	2	LS-AC24P6- LX	15	Fig. 3	LS-CPL48760C-1T
LS- LSH1350 colours: R, B, W	666	666	2	LS-AC24P6- LX	16	Fig. 3	LS-CPL48760C-1T

More values per model (Emitting area (mm, drawing), Overall length (mm, drawing formula $L = 10 + X$), Width (mm, drawing), Height (mm, drawing), Connector, Cable length (mm), Mounting) are on each product page.

Dimensions

图 1

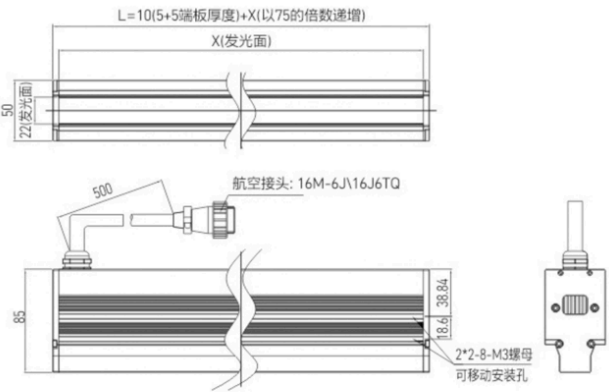


图 2

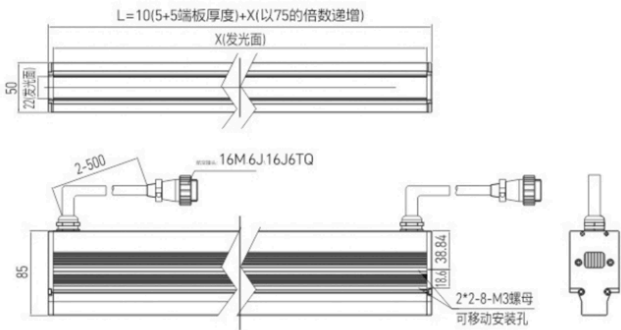
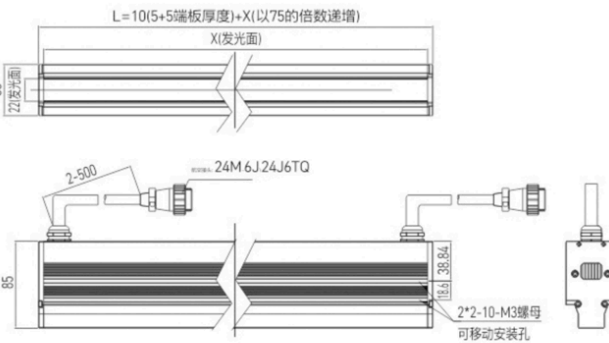
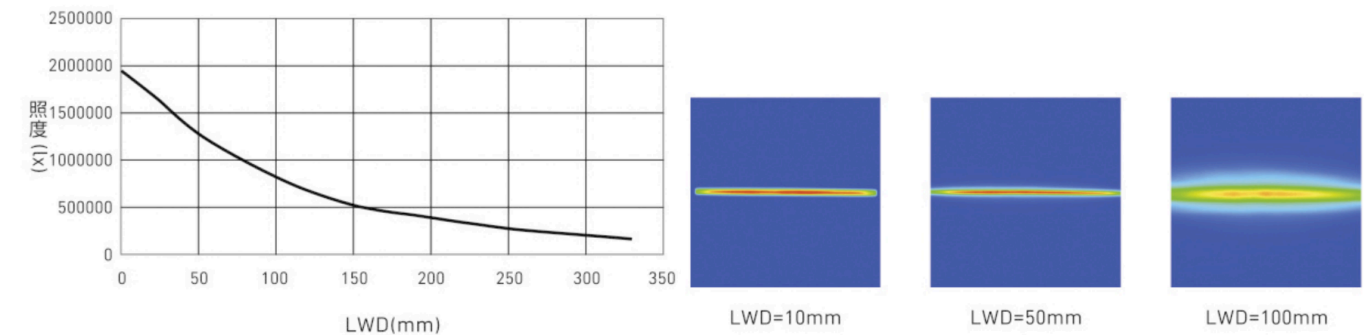


图 3



Performance



Product views

