

High luminance spot light (SL)

LS-SL series · Spot lights · 4 models



High-power LED spot light with a column lens, used with microscope lenses and telecentric lenses.

Features

- High power LED, high luminance
- Column lens adopted
- Used with microscope lens, telecentric lens

Applications

- Mark position location
- Chip inspection
- Wafer inspection
- Liquid crystal glass base counterpoint
- Imaging example: location inspection on ITO film (LS-SL085-UV)

Colours

R	620-630 nm
G	525-530 nm
B	465-470 nm
W	6600 K

Common specifications

Adapted controller	Constant current controller
Customizable	multi-area control, colour and colour temperature, cable length, installation method, power
Cable (mm)	500 (drawings)
Operating temperature	0-50 °C
Operating humidity	20-85% (non-condensing)

Life span	50000 h (to 50% of factory-default luminance)
Extension cable options	PVC extension cable (high flexibility, bending and heat resistant, for use inside equipment) or high-flexibility extension cable (harder and more abrasion resistant than PVC, for drag-chain production lines)
Custom wavelengths	UV & IR light can be customized as required

Ordering code: LS-SL<diаметer><power>--<R/G/B/W/IR/UV>

Models

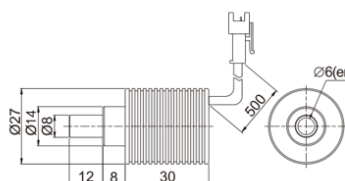
Model	Power (W)	Weight (g)	Length segments (mm)	Max. dia. (mm)	Dimension drawing	Common	Mounting
LS-SL081 colours: R, G, B, W	1	43	12 + 8 + 30	27	1	Y	-
LS-SL083 colours: R, G, B, W	3	55	12 + 8 + 42	27	2	Y	2-M3 depth 3.5 on dia. 14
LS-SL085 colours: W	5	87	12 + 8 + 60.5	32	3	Y	M4 depth 6, 2-M3 depth 4
LS-SL0810 colours: W	10	122	12 + 8 + 69.5	44 (fins), 32 (body)	4	N	M4 depth 6, 2-M3 depth 4

More values per model (Emitting port dia. (mm)) are on each product page.

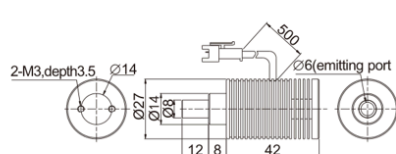
Dimensions

→ Boundary dimension(mm)

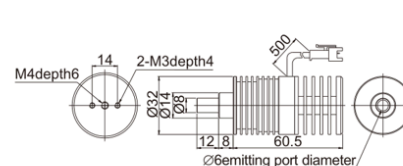
1.LS-SL081



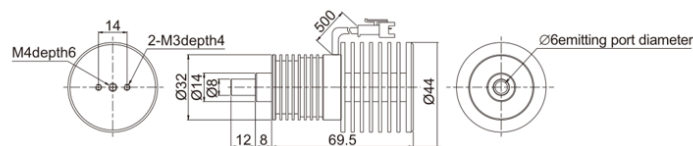
2.LS-SL083



3.LS-SL085



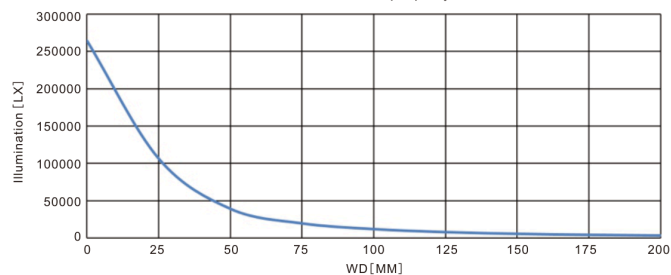
4.LS-SL0810



Performance

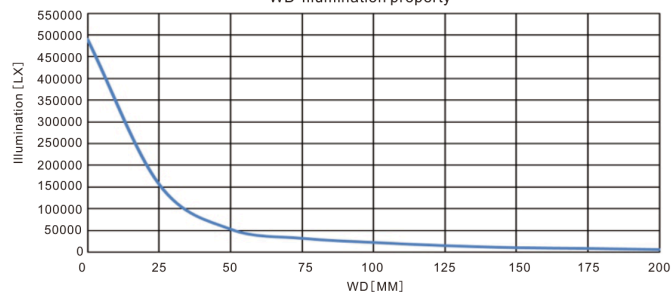
Model: LS-SL083-W

WD-Illumination property

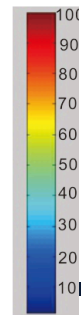
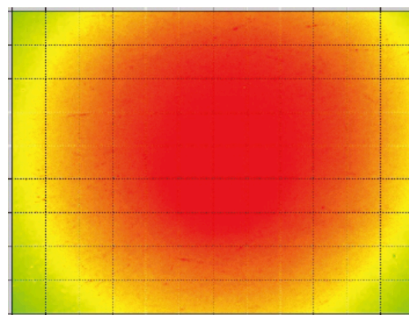


Model: LS-SL085-W

WD-Illumination property

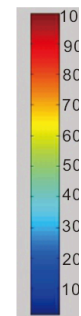
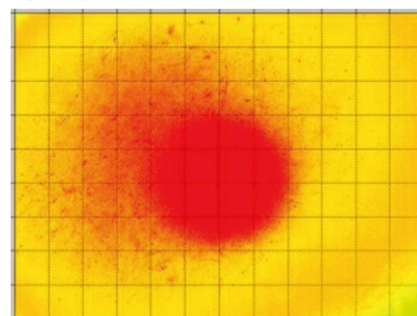


FOV: 15x11mm



*Above diagram only for reference.

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