

Collimated collector light (HSL)

LS-HSL series · Collimated lights · 3 models



High-luminance collimated light with concentrated light and good parallelism, for long-distance inspection; durable structure with high heat dissipation.

Features

- High luminance, concentrated light, good parallelism
- Suits long-distance inspection
- Durable steady structure, high heat dispersion performance

Applications

- PCB printed character inspection
- Surface scratch inspection
- Edge contour inspection
- Mark position inspection
- Imaging example: dead pixel inspection on transparent glass (LS-HSL15058-W)

Colours

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

Common specifications

Adapted controller	Constant current controller
Light spot (LS-HSL15058-W)	WD 50: dia. 50, 7561 lx; WD 100: dia. 50, 7019 lx; WD 150: dia. 50, 6695 lx; WD 200: dia. 50, 6422 lx; WD 300: dia. 52, 5936 lx; WD 2000: dia. 170, 912 lx
Customizable	colour and colour temperature, cable length, installation method
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-HSL<length><outer diameter>-<R/G/B/W/IR/UV>

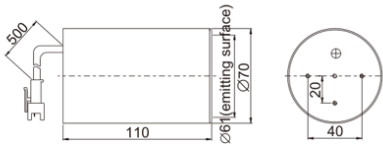
Models

Model	Weight (g)	Length (mm)	Outer dia. (mm)	Emitting dia. (mm)	Dimension drawing	Common	Power, R/G/B (W)
LS-HSL11070 colours: R, G, B, W	328	110	70	61	1	N	-
LS-HSL15058 colours: R, G, B, W	416	150.5	58	50	2	Y	3
LS-HSL14861 colours: R, G, B, W	416	148	61	51	2 (table) / 3 (drawing)	N	3

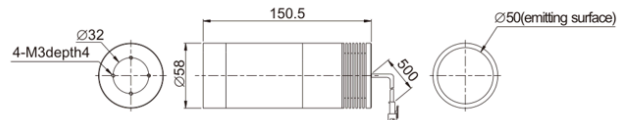
More values per model (Power, R (W), Power, G/B/W (W), Voltage, Power, W (W), Mounting) are on each product page.

Dimensions

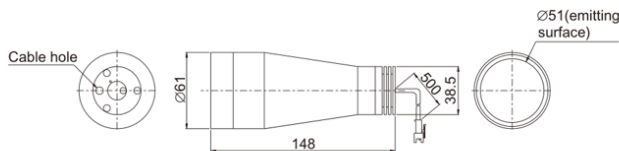
1.LS-HSL11070



2.LS-HSL15058

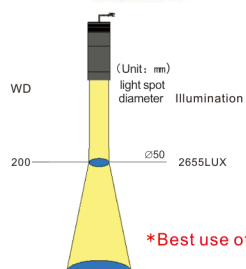
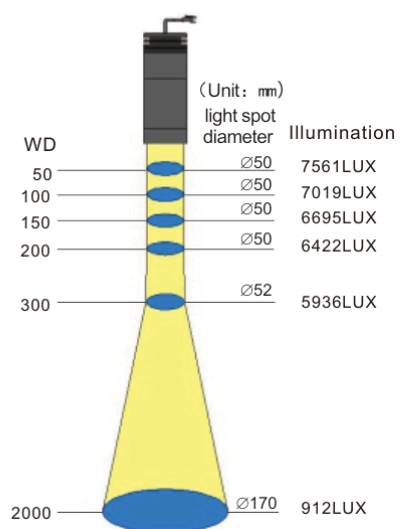


3.LS-HSL14861

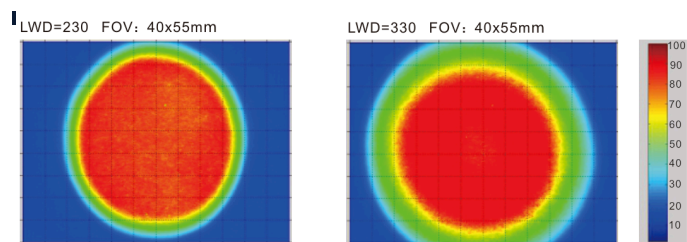


Performance

Model: LS-HSL15058-W



*Best use of working distance 200 mm.



*Above diagram only for reference.