

High power coaxial light (3COH)

LS-3COH series · Coaxial lights · 6 models



High power coaxial light (new) with luminance two to three times that of a normal coaxial light and high uniformity, for inspection of objects shot in motion or with short exposure.

Features

- Luminance 2-3 times that of a normal coaxial light, high uniformity
- For inspection of objects shot in motion or with short exposure
- Fan cooled; fan and light are powered independently
- Wire jacket covers the cable exit, anti-pull
- Compared with coaxial light LS-3COX40-W in the same test environment, LS-3COH40-W has high luminance and long life-span, suitable for shooting in motion and strobe
- Customizable: Viewport, Length and width, Combined light, Colour & colour temperature, Cable length, Installation method
- UV & IR versions can be customized as required

Applications

- Scratch inspection of metal or plastic surfaces
- Indentation or defect inspection of reflective surfaces
- Character or line inspection of printed circuit boards
- Inspection of surface characters on a mobile charging port
- Imaging example: edge inspection of a pad shell (LS-3COH40-W), strengthens the contour feature

Colours

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

Common specifications

Voltage	24 V
Min. emitting area	20 mm x 20 mm
Max. emitting area	100 mm x 100 mm

Recommended working distance	5mm~300mm
FOV	1mm~100mm
Colour temperature of white	6600 K
Cooling	Fan (fan and light powered independently)
Cable length (drawing)	500 mm
Operating temperature	0-50 °C
Operating humidity	20-85% (non-condensing)
Life-span	50000 h (to 50% of factory default luminance)
Adapted controllers	Strobe controller, analog controller, digital controller
Extension cable options	PVC extension cable (high flexibility, bending and high-temperature resistant, for use inside equipment); high-flexibility extension cable (harder, more abrasion resistant, for drag-chain production lines)

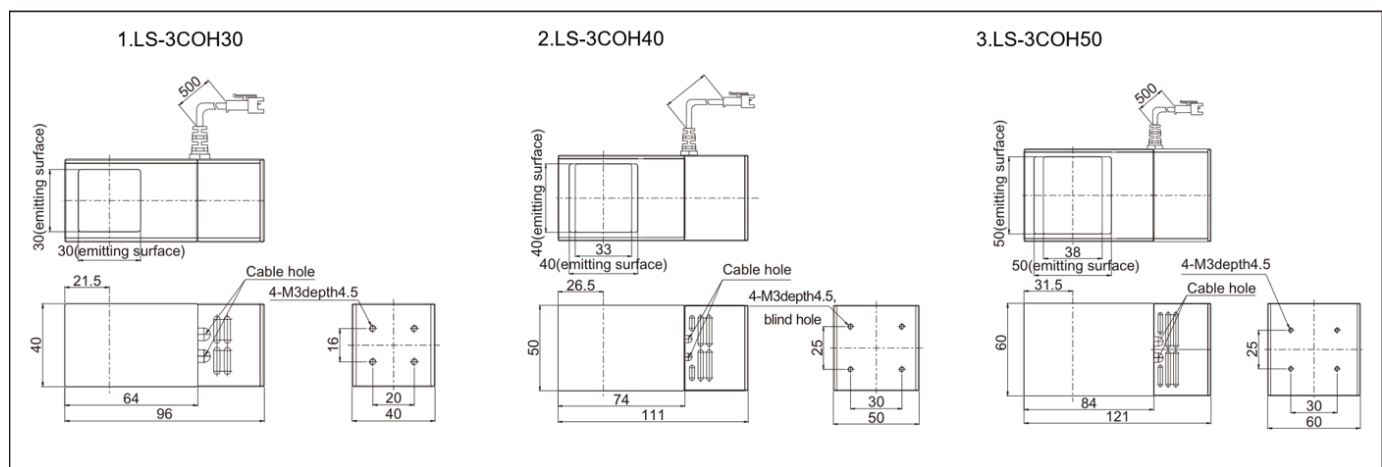
Ordering code: LS-3COH##-R/G/B/W/IR/UV (## = width of luminous zone; last field = colour)

Models

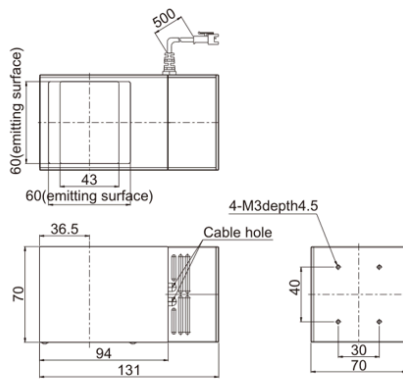
Model	Power (R)	Power (G/B/W)	Weight	Dimension drawing no.	Emitting surface (mm)
LS-3COH30 colours: R, G, B, W	5.8W	8.7W	124 g	1	30 x 30
LS-3COH40 colours: R, G, B, W	8.7W	10.1W	161 g	2	40 x 40
LS-3COH50 colours: R, G, B, W	14.4W	21.6W	333 g	3	50 x 50
LS-3COH60 colours: R, G, B, W	17.3W	28.8W	395 g	4	60 x 80
LS-3COH80 colours: R, G, B, W	30.3W	50.4W	522 g	5	80 x 80
LS-3COH100 colours: R, G, B, W	49.0W	73.5W	649 g	6	100 x 100

More values per model (Common model) are on each product page.

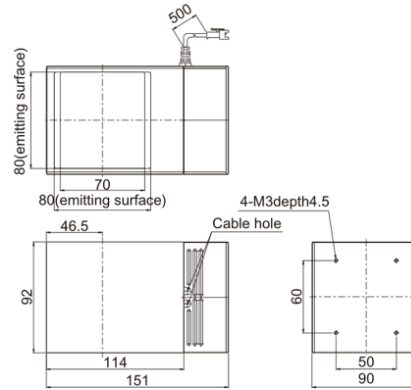
Dimensions



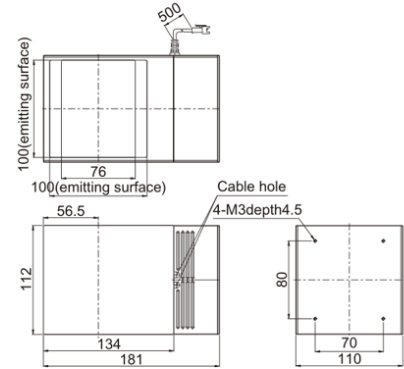
4.LS-3COH60



5.LS-3COH80

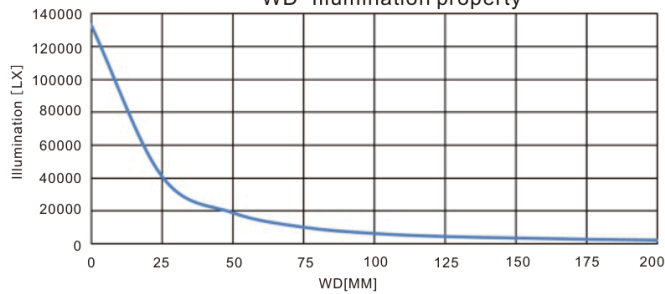


6.LS-3COH100

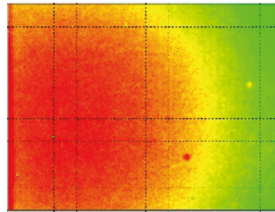


Performance

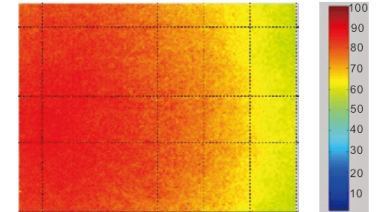
WD-Illumination property



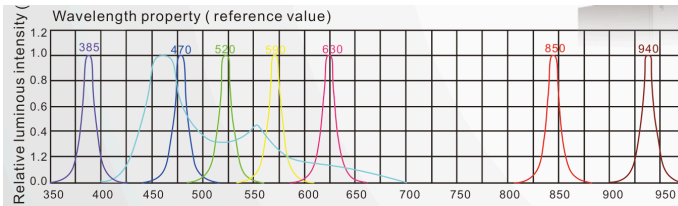
LWD=60 FOV :55x40mm



LWD=150 FOV :55x40mm



*Above diagram only for reference



Product views

