

Collimated coaxial light (COPA)

LS-COPA series · Coaxial lights · 3 models



Coaxial light with a special optical path design for high parallelism, using high-power LEDs for high luminance; the uniform light rays are easy for software to recognize.

Features

- Special optical path design, high parallelism
- High power LED, high luminance
- Uniform light ray, easy to recognize by software

Applications

- Defect inspection of metal surfaces
- Glass inspection
- Scratch inspection of light disks
- Drink bottleneck inspection
- Imaging example: dirty part inspection on a glass plate (LS-COPA40-B)

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-COPA50-W)	WD 25: dia. 50, 16350 lx; WD 100: dia. 52, 9330 lx; WD 200: dia. 55, 6435 lx
Customizable	viewport, length and width, 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-COPA<width of luminous zone>-<R/G/B/W/IR/UV>

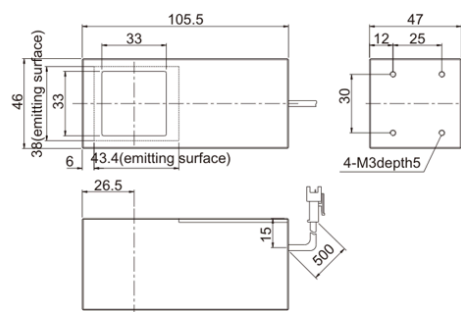
Models

Model	Weight (g)	Emitting surface (mm)	Mounting	Dimension drawing
LS-COPA40 colours: R, G, B, W	234	33 x 33 (window), emitting 38 x 43.4	4-M3 depth 5	1
LS-COPA50 colours: R, G, B, W	432	38 x 38 (window), emitting 50 x 50	4-M3 depth 5	2
LS-COPA80 colours: R, G, B, W	432	70 x 70 (window), emitting 80 x 80	4-M4 depth 4.5	3

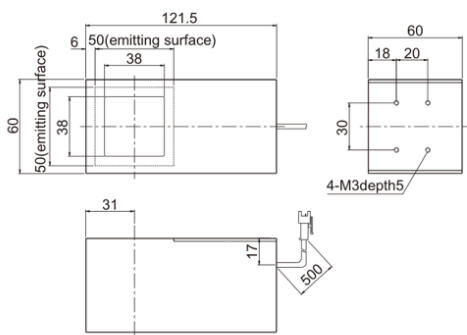
More values per model (Power, R (W), Power, G/B/W (W), Common) are on each product page.

Dimensions

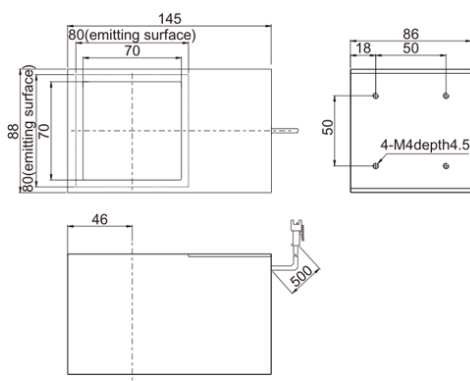
1.LS-COPA40



2.LS-COPA50



3.LS-COPA80



Performance

Model: LS-COPA50-W

