

Narrow angle coaxial light (3CON)

LS-3CON series · Coaxial lights · 6 models



Narrow angle coaxial light (new) with high uniformity and high luminance; the light rays are approximately parallel, suited to mirror surfaces.

Features

- High uniformity, high luminance
- Light rays approximately parallel
- Suited to mirror surfaces
- 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-3CON40-W has higher luminance and gives better contrast and a steadier effect
- Customizable: Viewport, Length and width, Parallel film, Colour & colour temperature, Combined light, Cable length, Installation method
- UV & IR versions can be customized as required

Applications

- Defect inspection of reflective surfaces
- Mark position location
- Crack or scratch inspection of metal surfaces
- Edge measurement and contour inspection
- Surface character inspection of electronic components
- Imaging example: character inspection on a watch shell (LS-3CON40-W), white characters on a black background

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)

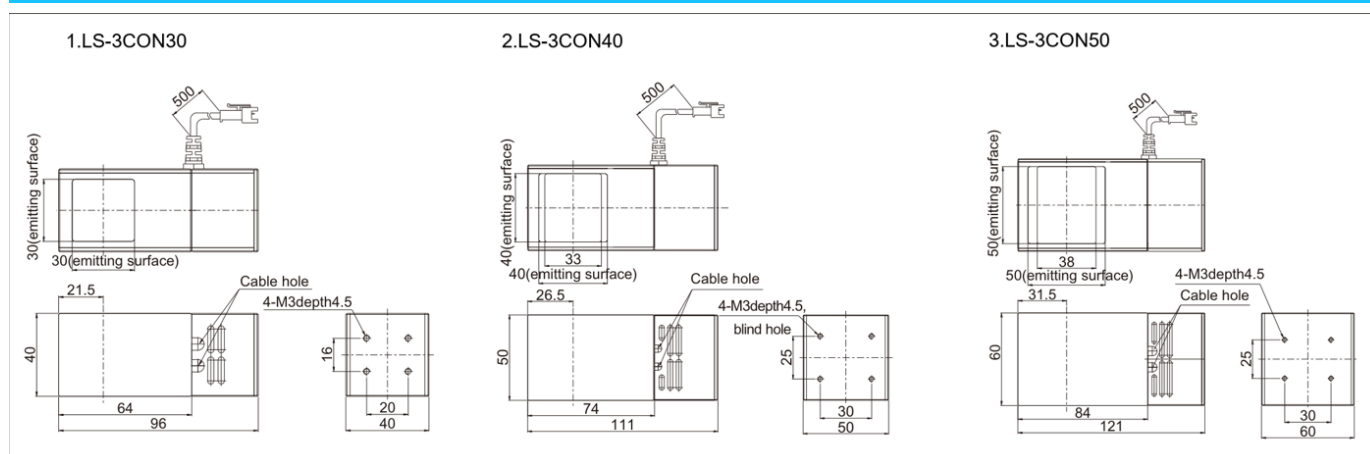
Ordering code: LS-3CON##-R/G/B/W/IR/UV (## = width of luminous zone; last field = colour)

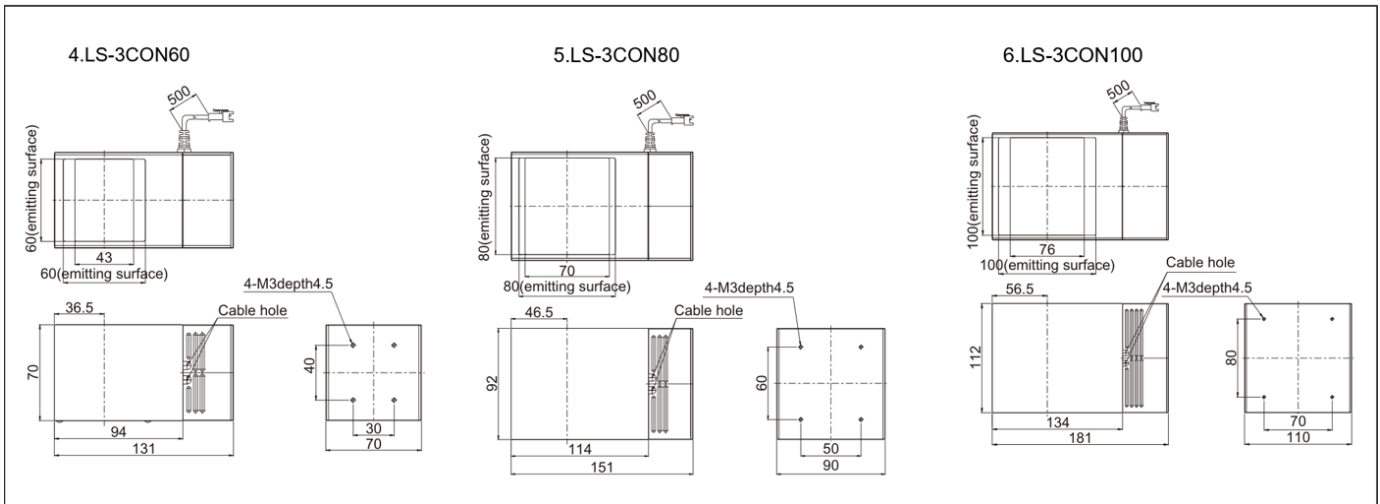
Models

Model	Power (R)	Power (G/B/W)	Weight	Dimension drawing no.	Emitting surface (mm)
LS-3CON30 colours: R, G, B, W	5.8W	8.7W	122 g	1	30 x 30
LS-3CON40 colours: R, G, B, W	8.7W	10.1W	159 g	2	40 x 40
LS-3CON50 colours: R, G, B, W	14.4W	21.6W	331 g	3	50 x 50
LS-3CON60 colours: R, G, B, W	17.3W	28.8W	393 g	4	60 x 60
LS-3CON80 colours: R, G, B, W	30.3W	50.4W	520 g	5	80 x 80
LS-3CON100 colours: R, G, B, W	49.0W	73.5W	648 g	6	100 x 100

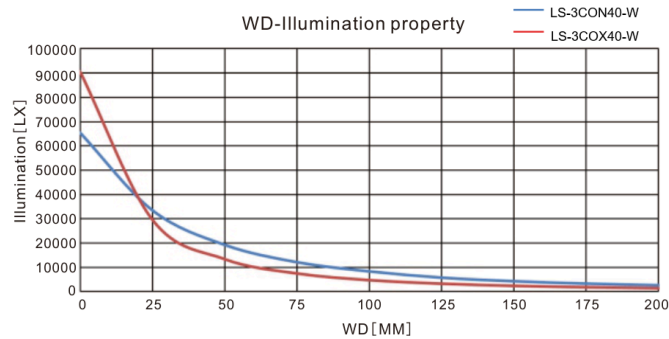
More values per model (Common model) are on each product page.

Dimensions

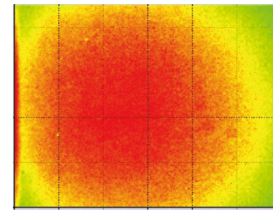




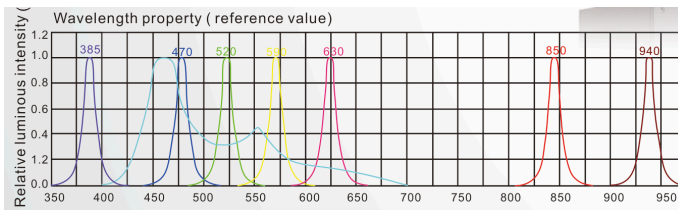
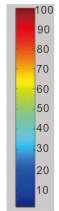
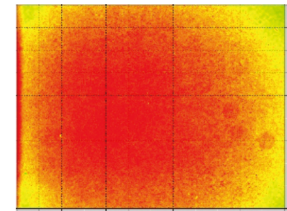
Performance



LWD=60mm FOV:50x40mm



LWD=100mm FOV:50x40mm



Product views

