

Coaxial light (3COX)

LS-3COX series · Coaxial lights · 8 models



Compact, cost-effective coaxial light with 50% higher luminance that effectively removes double images; cable has a protective wire jacket and a dust-proof mirror can be added.

Features

- Luminance up 50%
- Compact, high cost-effective
- Removes the double image effectively
- Cover wire jacket, anti-pull
- Can add dust-proof mirror

Applications

- Damage inspection of chips and wafers
- Scratches on reflective surfaces
- Bar code / QR code recognition
- Printing and silk-screen inspection
- Imaging example: stitch inspection on components (LS-3COX40-W)

Colours

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

Common specifications

Voltage	24 V
Adapted controller	Strobe controller, analog controller, digital controller
Customizable	viewport, length and width, parallel film, colour and colour temperature, combined light, cable length, installation method
Mounting	4-M3 depth 4.5 blind holes

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-3COX<width of luminous zone>-<R/G/B/W/IR/UV>

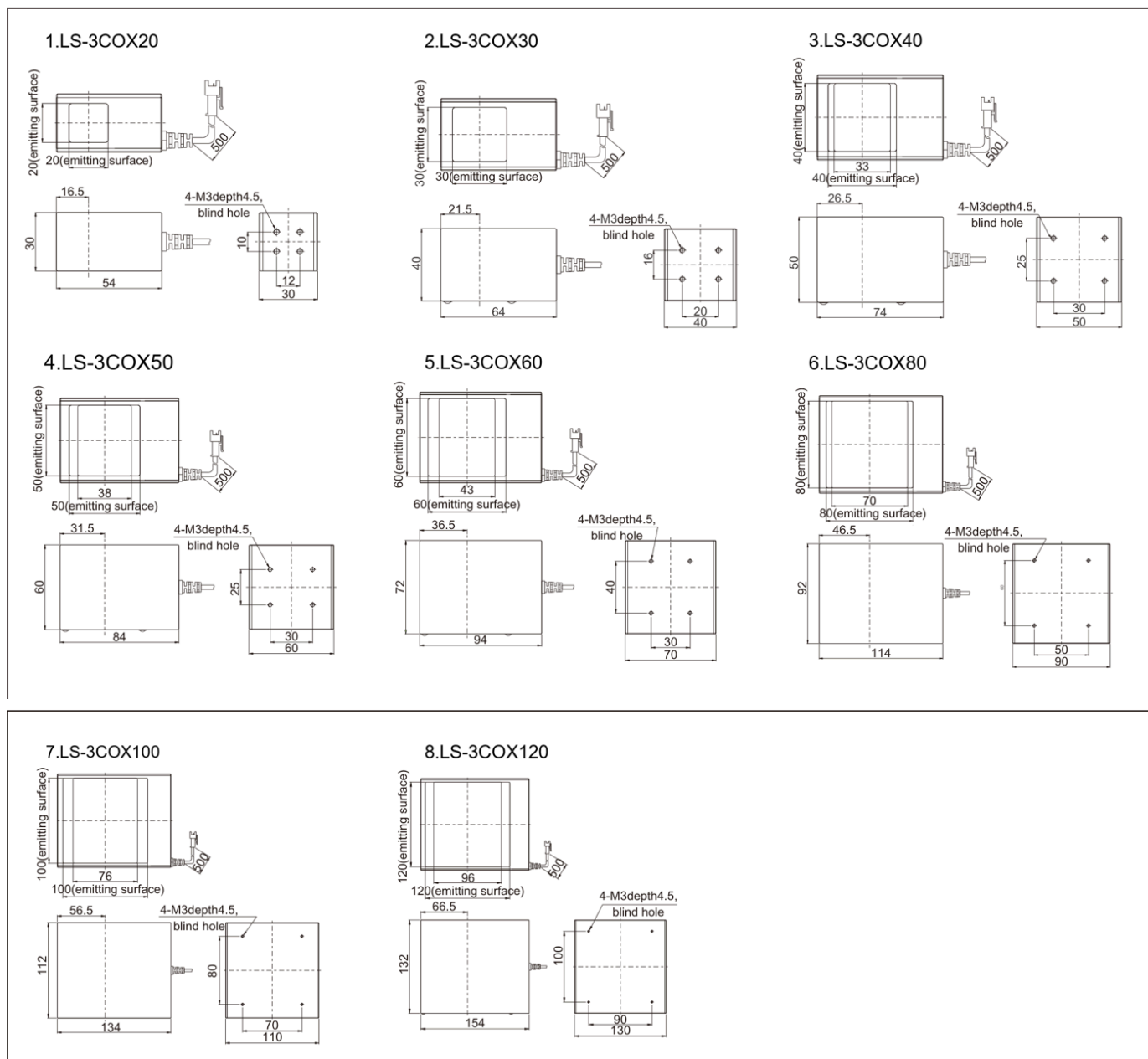
Models

Model	Power, R (W)	Power, G/B/W (W)	Weight (g)	Emitting surface (mm)	Dimension drawing
LS-3COX20 colours: R, G, B, W	0.8	0.8	47	20 x 20	1
LS-3COX30 colours: R, G, B, W	1.5	2.2	56	30 x 30	2
LS-3COX40 colours: R, G, B, W	2.2	2.6	67	40 x 40	3
LS-3COX50 colours: R, G, B, W	3.6	5.4	85	50 x 50	4
LS-3COX60 colours: R, G, B, W	4.4	7.2	112	60 x 60	5
LS-3COX80 colours: R, G, B, W	7.6	12.6	223	80 x 80	6
LS-3COX100 colours: R, G, B, W	12.3	18.4	225	100 x 100	7
LS-3COX120 colours: R, G, B, W	15.2	25.2	232	120 x 120	8

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

Dimensions

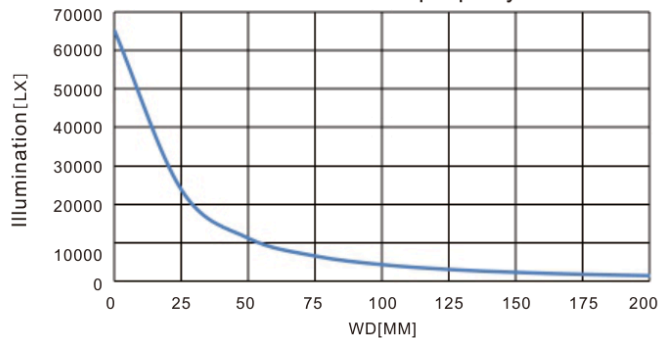




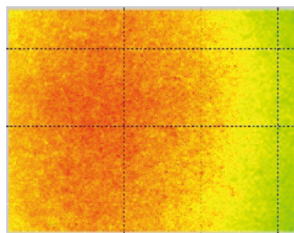
Performance

Model:LS-3COX50-W

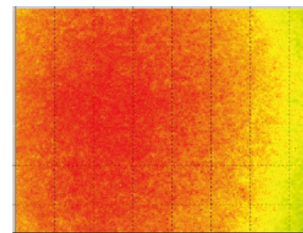
WD-Illumination property



LWD=50 FOV:52x40mm



LWD=100 FOV:52x40mm



*Above diagram only for reference