

# Right-angle coaxial light (COXR)

LS-COXR series · Coaxial lights · 6 models

Right-angle coaxial light: compact and space saving, with the light ray at 90 degrees to the CCD camera for a compact structure.

## Features

- Compact, space saving
- 90 degrees between the light ray and the CCD camera, compact structure
- Customizable: Viewport, Length and width, Combined light, Colour & colour temperature, Cable length, Installation method
- UV & IR versions can be customized as required



## Applications

- Surface scratch inspection of bright, clear objects
- Food packing
- Imaging example: contour detection on a mobile phone shell (LS-COXR40-W), clear uniform image strengthens the edge

## Colours

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

## Common specifications

|                              |                 |
|------------------------------|-----------------|
| Voltage                      | 24 V            |
| Min. emitting area           | 25 mm x 19 mm   |
| Max. emitting area           | 100 mm x 100 mm |
| Recommended working distance | 5mm~150mm       |
| FOV                          | 1mm~45mm        |

|                             |                                                                                                                                                                                                               |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Colour temperature of white | 6600 K                                                                                                                                                                                                        |
| 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-COXR##-R/G/B/W/IR/UV (## = width of luminous zone; last field = colour)

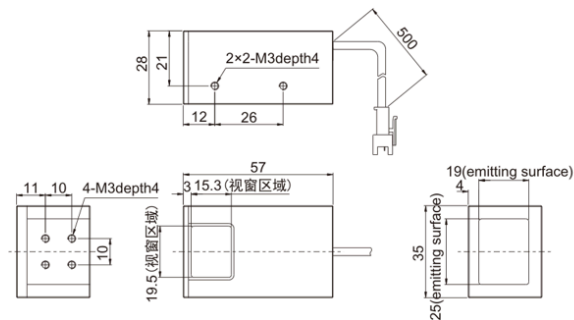
## Models

| Model                              | Power (R) | Power (G/B/W) | Weight | Dimension drawing no. | Emitting surface (mm) | Viewport (mm) |
|------------------------------------|-----------|---------------|--------|-----------------------|-----------------------|---------------|
| LS-COXR2520<br>colours: R, G, B, W | 1.0W      | 1.5W          | 63 g   | 1                     | 19 x 25               | 15.3 x 19.5   |
| LS-COXR30<br>colours: R, G, B, W   | 2.0W      | 2.2W          | 116 g  | 2                     | 27.5 x 28             | -             |
| LS-COXR3520<br>colours: R, G, B, W | 1.0W      | 1.5W          | 125 g  | 3                     | 19 x 35               | 15.3 x 29.5   |
| LS-COXR40<br>colours: R, G, B, W   | 3.6W      | 5.0W          | 205 g  | 4                     | 38 x 38               | -             |
| LS-2COXR60<br>colours: R, G, B, W  | 5.5W      | 7.2W          | 339 g  | 5                     | 59 x 56               | 55 x 56       |
| LS-2COXR100<br>colours: R, G, B, W | 12.3W     | 18.4W         | 964 g  | 6                     | 100 x 100             | 90 x 90       |

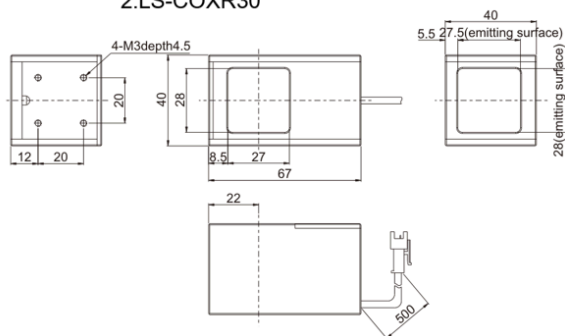
More values per model (Common model) are on each product page.

## Dimensions

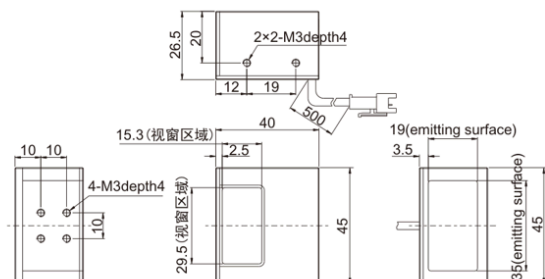
1.LS-COXR2520



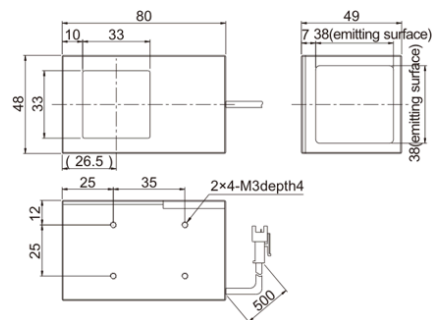
2.LS-COXR30



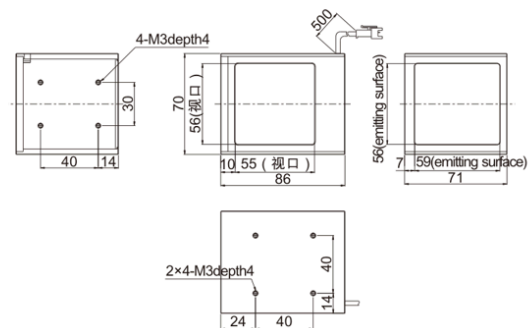
3.LS-COXR3520



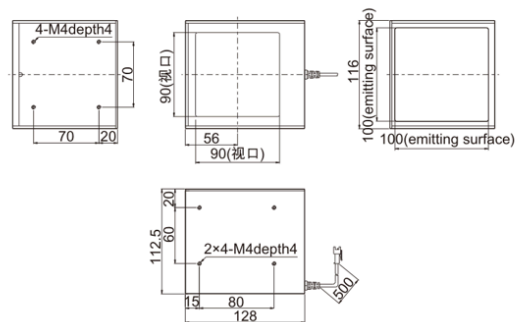
4.LS-COXR40



5.LS-2COXR60

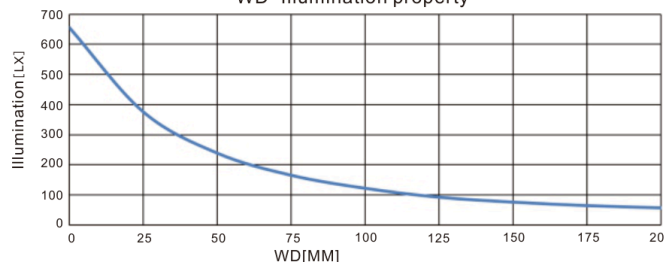


6.LS-2COXR100

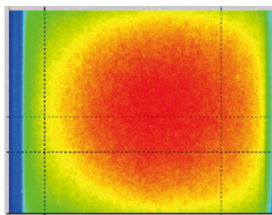


## Performance

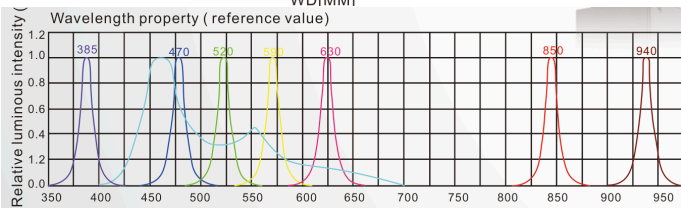
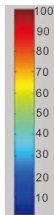
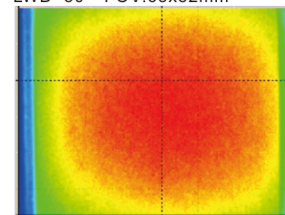
WD-Illumination property



LWD=20 FOV:63x52mm



LWD=50 FOV:63x52mm



## Product views

