

# High brightness coaxial light (HCOS series)

LS-HCOS series · Coaxial lights · 3 models

High-brightness coaxial light, 4-5 times brighter than standard coaxial lights, with air-cooled heat dissipation. Because of the heat dissipation the housing is larger than a standard coaxial light of the same luminous area.

## Features

- High brightness (4-5 times the brightness of standard coaxial lights)
- Because of the heat dissipation, the light is larger than a standard coaxial light of the same luminous area
- Air cooling heat dissipation

## Applications

- Suitable for all coaxial optical applications
- Suitable for high-speed flight photography
- Inspection of reflective surfaces, including dents, damage and defects
- Printed circuit board character and pattern inspection
- Mark positioning
- All kinds of QR code recognition
- Motor center positioning



## Colours

|    |             |
|----|-------------|
| R  | 620-630 nm  |
| G  | 520-530 nm  |
| B  | 465-475 nm  |
| W  | 6000-6500 K |
| IR | 850-940 nm  |
| UV | 365-405 nm  |

## Common specifications

|                  |            |
|------------------|------------|
| Wavelength red   | 620-630 nm |
| Wavelength green | 520-530 nm |

|                          |                                                                                                                     |
|--------------------------|---------------------------------------------------------------------------------------------------------------------|
| Wavelength blue          | 465-475 nm                                                                                                          |
| Colour temperature white | 6000-6500 K                                                                                                         |
| Wavelength IR            | 850-940 nm                                                                                                          |
| Wavelength UV            | 365-405 nm                                                                                                          |
| Storage temperature      | 20 to 60 °C                                                                                                         |
| Operating temperature    | 0 to 40 °C                                                                                                          |
| Humidity                 | 20-85 %RH (non-condensing)                                                                                          |
| Optional accessories     | Extension cable                                                                                                     |
| Controller               | LS-CPL48150B-2T                                                                                                     |
| Service life             | Red: 60000 h continuous at 25 °C and 50% illumination until 50% decrement; white: 30000 h under the same conditions |
| Warranty                 | 1 year free maintenance or replacement for faults not caused by the user                                            |
| Cooling                  | Air cooling                                                                                                         |
| Cable length             | 500 mm (drawings)                                                                                                   |

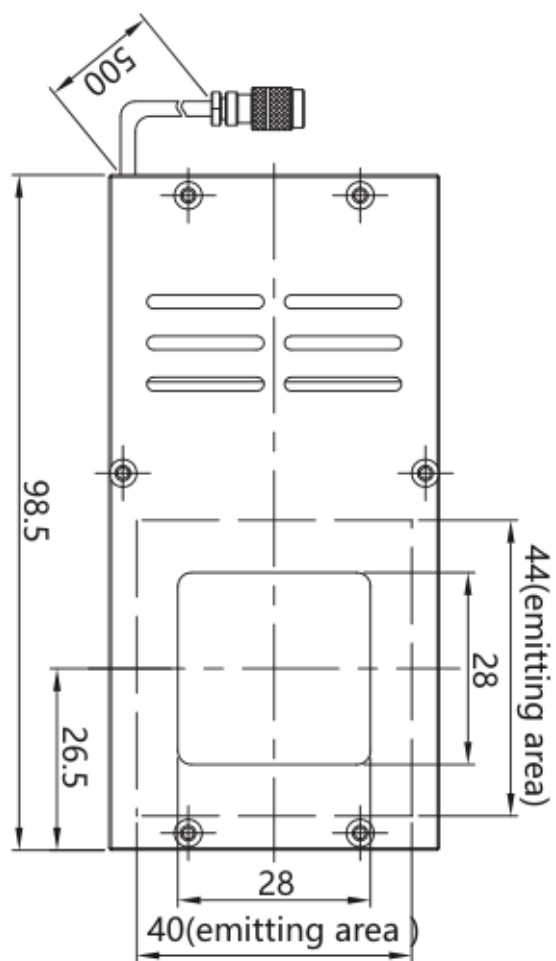
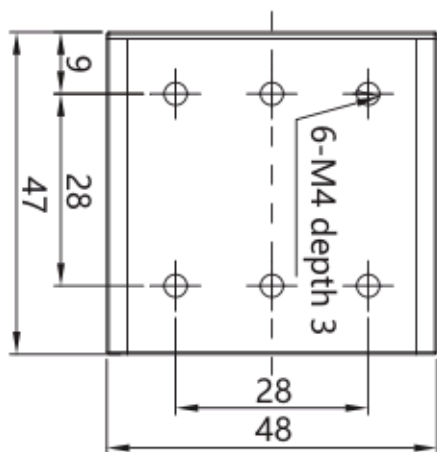
Ordering code: LS-HCOS<luminous size mm: side for square, L-W for rectangle>-<R/G/B/W> (e.g. LS-HCOS40-R); 'G' in G means overseas version

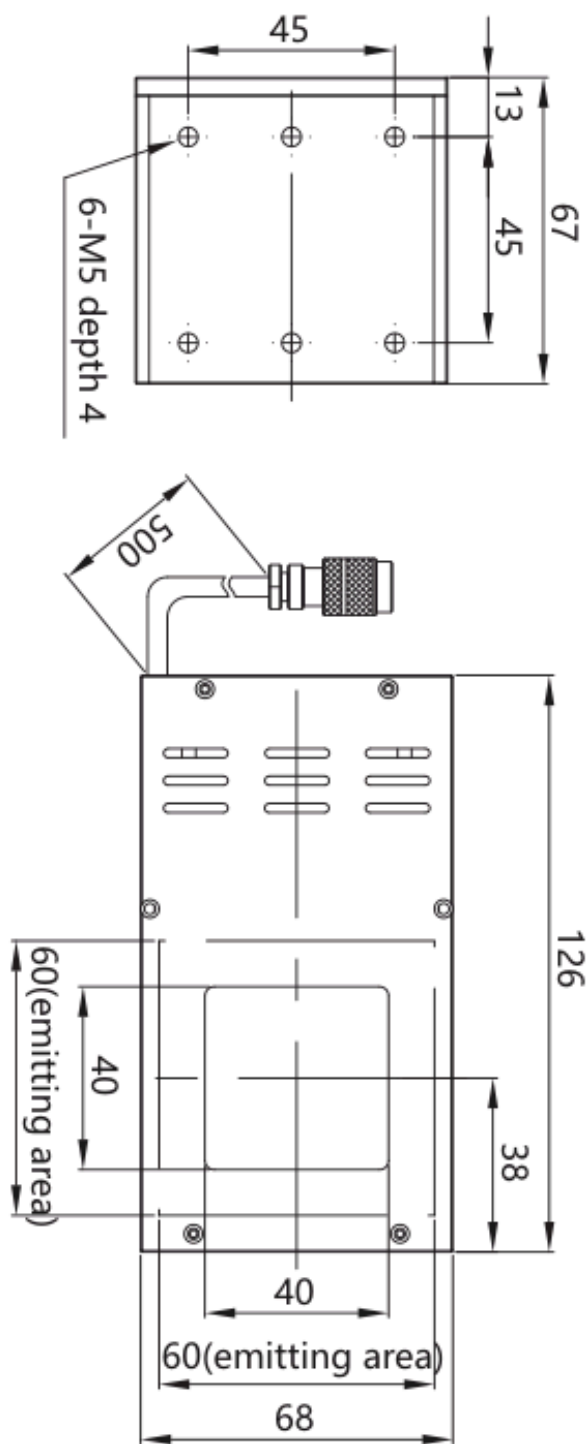
## Models

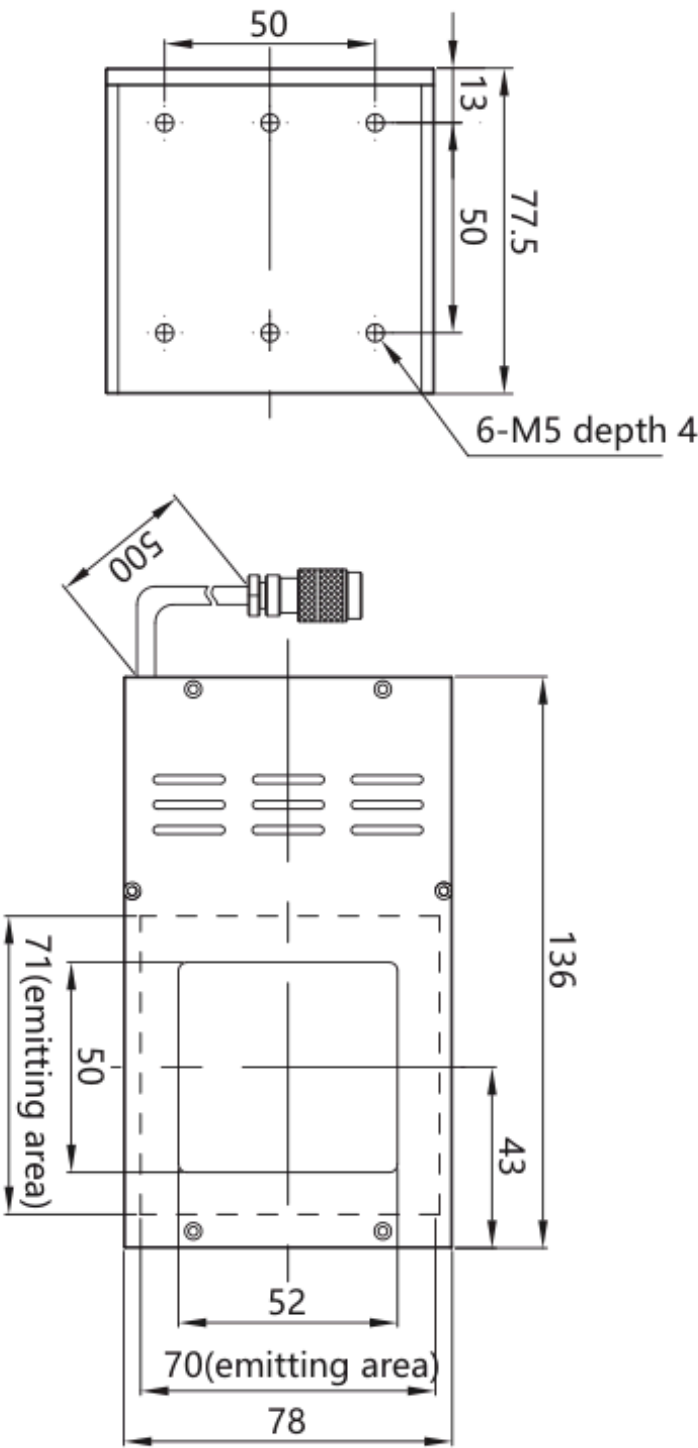
| Model                                    | Item | Power R (W) | Power G/B/W (W) | Luminous size (mm) | L (mm) | W (mm) | H (mm) |
|------------------------------------------|------|-------------|-----------------|--------------------|--------|--------|--------|
| LS-HCOS40-R/G/B/W<br>colours: R, G, B, W | 1    | 18          | 18              | 40 x 44            | 98.5   | 48     | 47     |
| LS-HCOS60-R/G/B/W<br>colours: R, G, B, W | 2    | 35          | 35              | 60 x 60            | 126    | 68     | 67     |
| LS-HCOS70-R/G/B/W<br>colours: R, G, B, W | 3    | 53          | 53              | 70 x 71            | 136    | 78     | 77.5   |

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

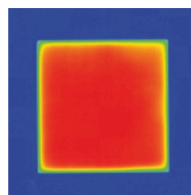
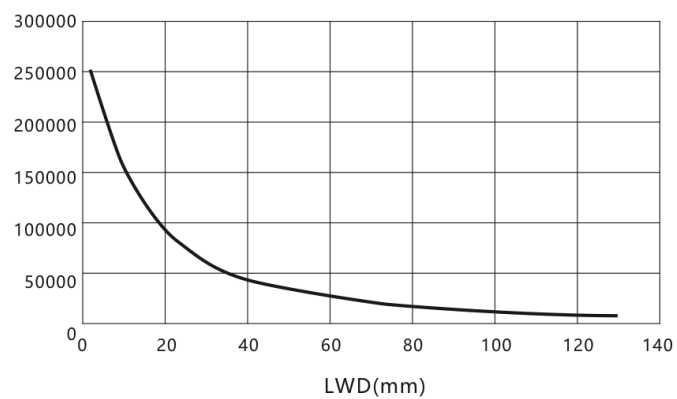
## Dimensions



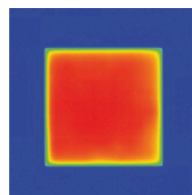




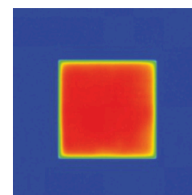
Performance



LWD=10mm



LWD=50mm



LWD=100mm

## Product views

