

Parallel coaxial light (HCOPL)

LS-HCOPL series · Coaxial lights · 3 models

Diffuse light from high-power, high-brightness LEDs passes through a special lens module and optical glass to form parallel light, so it reaches every point of the object at the same angle; especially suited to defect inspection on smooth flat surfaces and to laser-engraving recognition.



Features

- Special lens combination
- Highly collimated coaxial illumination

Applications

- Stains, scratches and smudges on CD, DVD and Blu-ray disc surfaces
- Scratches on reflective flat surfaces
- Small bubbles in glass; laser-engraved character recognition
- Fine scratches on the surfaces of iPod, iPad, iPhone and similar devices

Colours

R	620-630 nm
G	525 nm
B	470 nm
W	5000-8000 K

Common specifications

Recommended controllers	HMAPC2420 / HAPC2424P
Cable length (mm)	500
Operating environment	Ambient about 25 °C, operating temperature within 35 °C
Expected life	Red, white, blue and green: 30000 h continuous, decays to 40% (typical one-year decay 5-10%)
Support	1 year of free standard technical support; can be customised to the inspected feature, working distance, illumination angle and field of view

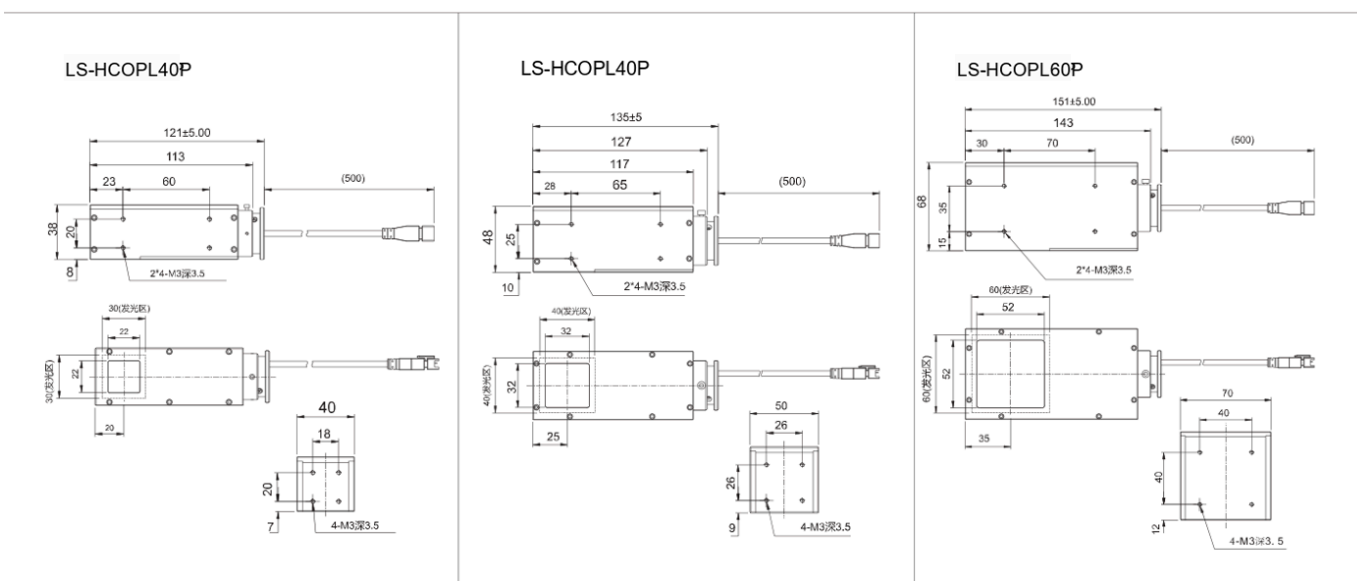
Ordering code: H-COPL-<emitting area mm: side length if square, length and width if rectangular>-P-<colour>
(example H-COPL-30-P-W; P = upgraded version)

Models

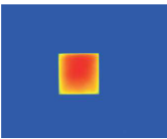
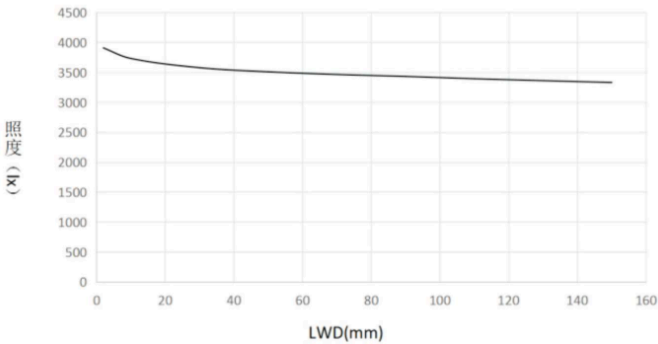
Model	Emitting area (mm)	Overall length (mm, drawing)
LS-HCOPL30P colours: R, G, B, W	30 x 30	121 +/-5
LS-HCOPL40P colours: R, G, B, W	40 x 40	135 +/-5
LS-HCOPL60P colours: R, G, B, W	60 x 60	151 +/-5

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

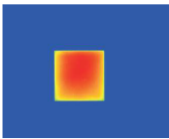
Dimensions



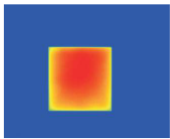
Performance



LS-HCOPL30P-R



LS-HCOPL40P-R



LS-HCOPL60P-R

