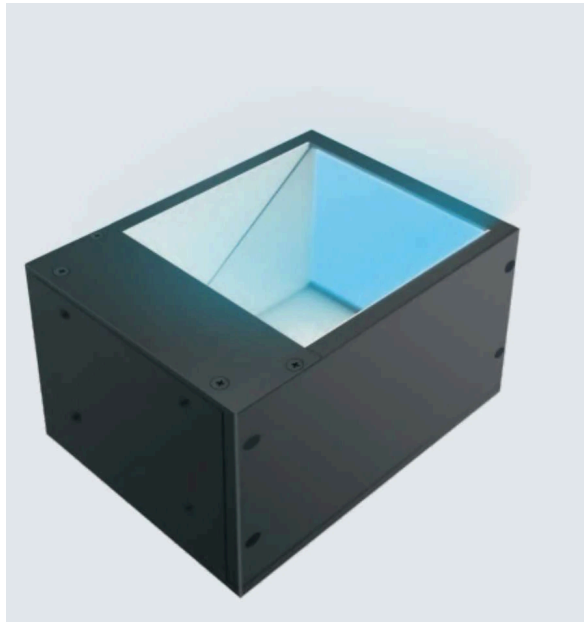


Coaxial light (HCOL)

LS-HCOL series · Coaxial lights · 12 models

A high-density LED array emits high-intensity, even light; a semi-transparent mirror with a special coating puts the light reflected from the workpiece on the same axis as the camera, eliminating reflections (ghosting) in the image. Very even light distribution, suited to scratch inspection on mirror-finished workpiece surfaces.



Features

- Sharp imaging, high brightness, good uniformity
- Size, emitting area and mounting holes can be customised

Applications

- Laser marking on wafers
- Engraved characters on metal surfaces, bearings and beverage cans
- 2D codes printed on metal and glass plates

Colours

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

Common specifications

Recommended controllers	HL-APC2424P / HL-APC2460P / HL-MDPC2480 / HL-DPC2465D (rows 1-11)
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

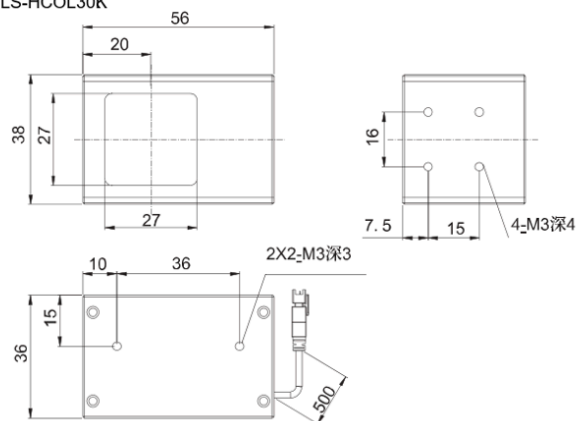
Ordering code: H-COL-<emitting area mm: side length if square, length and width if rectangular>-P/K-<colour>
(example H-COL-30-K-W; P or K = upgraded version)

Models

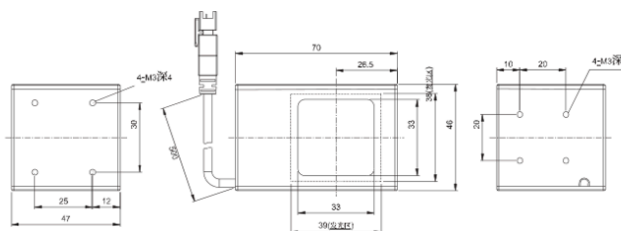
Model	Emitting area (mm)	Power, green/blue/white (W)	Power, red (W)
LS-HCOL30K colours: R, G, B, W	30 x 30	3.5	2
LS-HCOL40K colours: R, G, B, W	40 x 40	5	3
LS-HCOL60K colours: R, G, B, W	60 x 60	5	5
LS-HCOL80K colours: R, G, B, W	80 x 80	9.5	6.5
LS-HCOL100K colours: R, G, B, W	100 x 100	15	12
LS-HCOL120P colours: R, G, B, W	120 x 120	19	19
LS-HCOL140P colours: R, G, B, W	140 x 140	26	25
LS-HCOL180100 colours: R, G, B, W	180 x 100	30	30
LS-HCOL180130 colours: R, G, B, W	180 x 130	48	48
LS-HCOL20060 colours: R, G, B, W	200 x 60	16.5	12
LS-HCOL290110 colours: R, G, B, W	290 x 110	76	35
LS-HCOL300200 colours: R, G, B, W	300 x 200	72	50.4

Dimensions

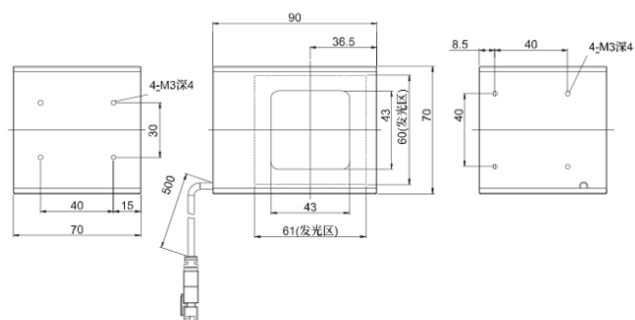
LS-HCOL30K



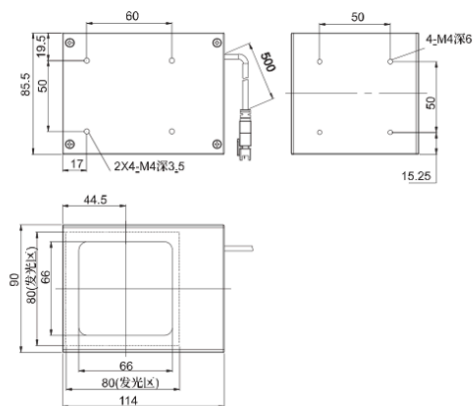
LS-HCOL40K



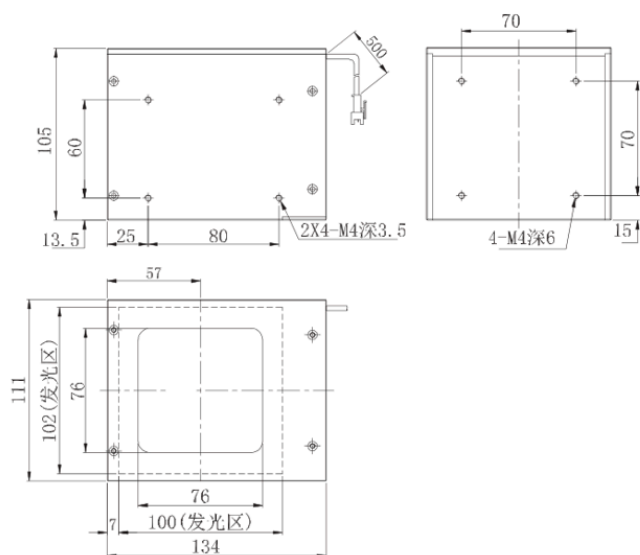
LS-HCOL60K



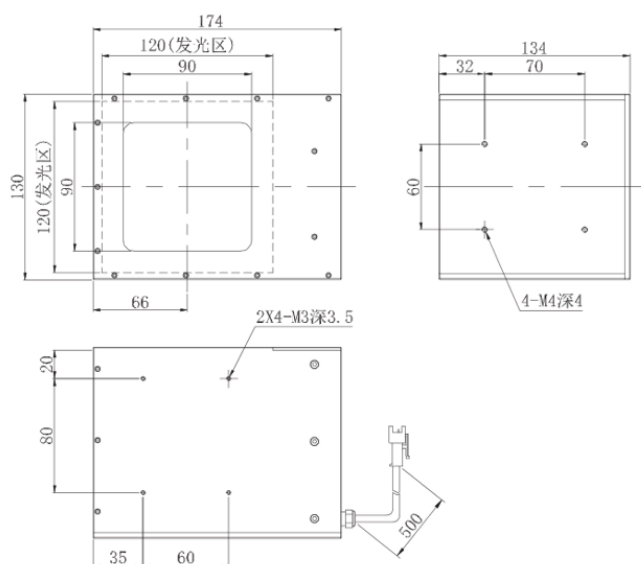
LS-HCOL80K



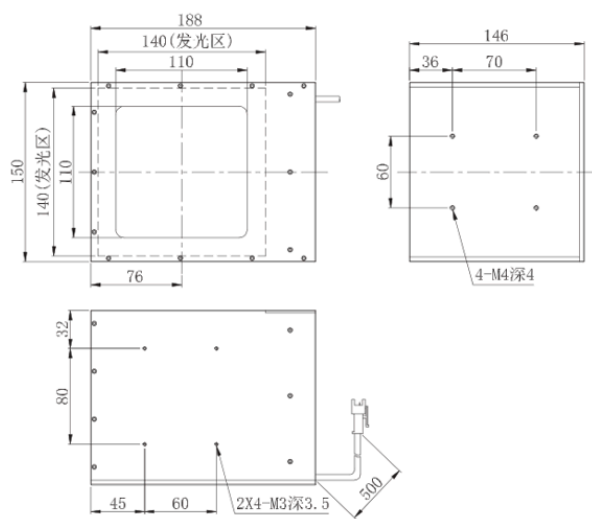
LS-HCOL100K



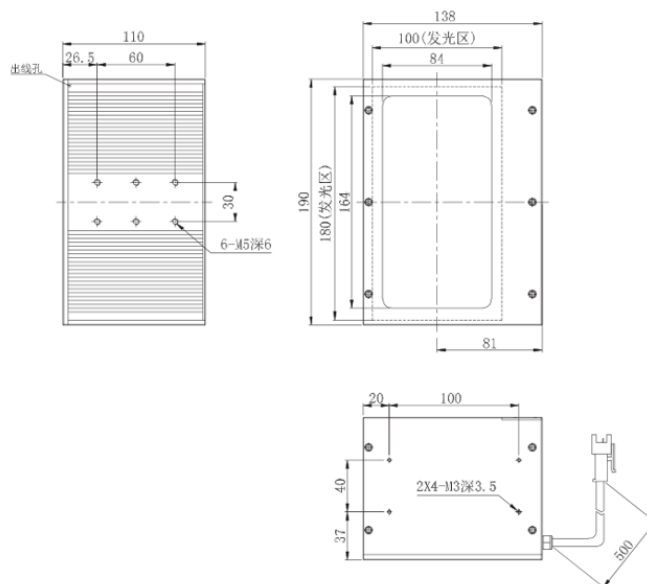
LS-HCOL120P

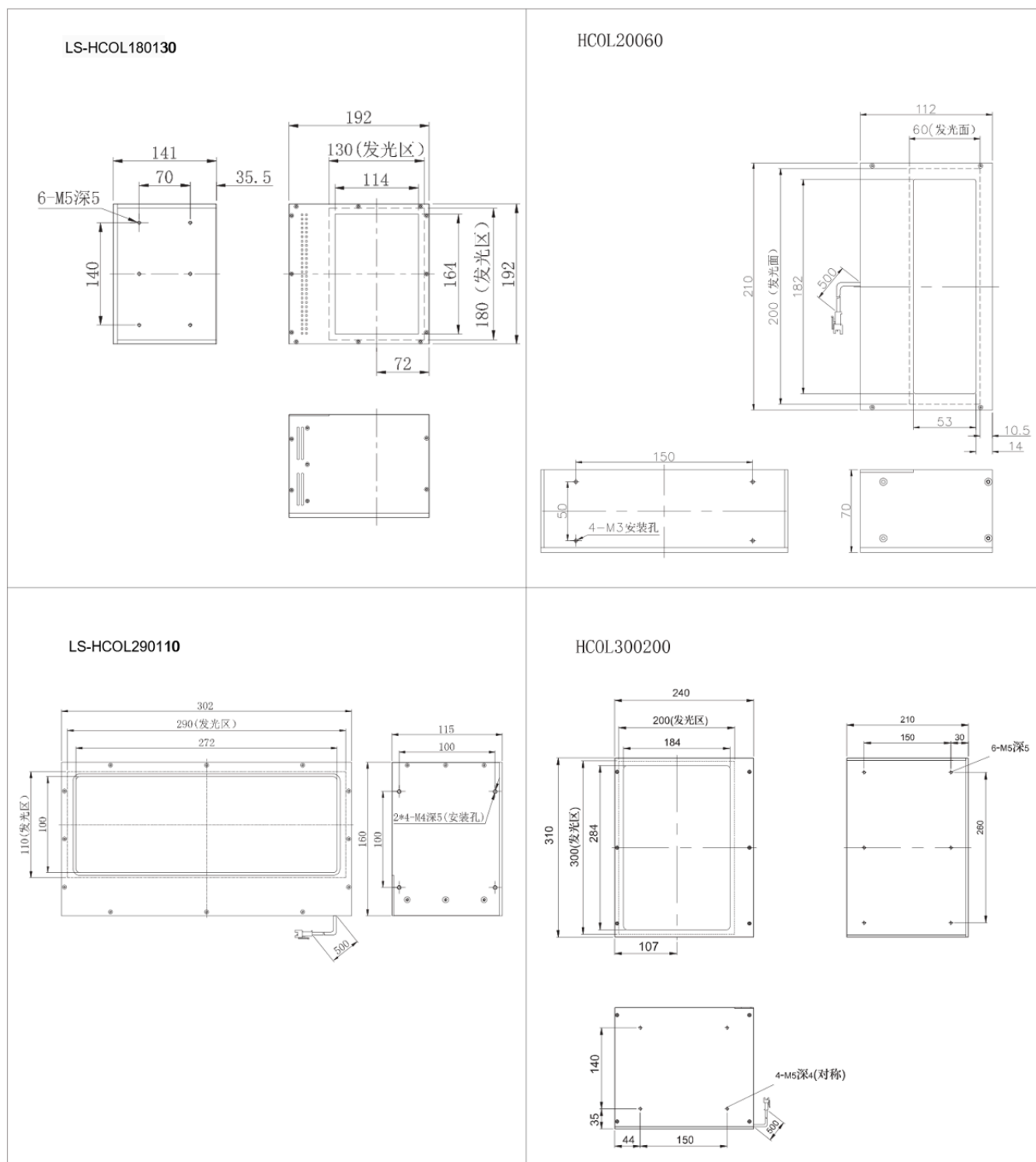


LS-HCOL140P

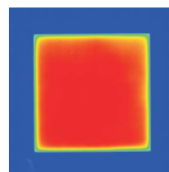
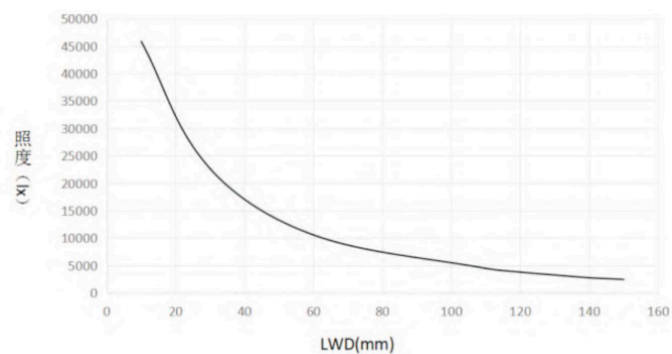


LS-HCOL180100

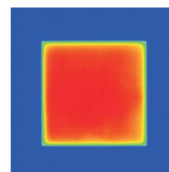




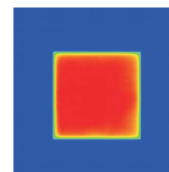
Performance



工作距离: 10mm



工作距离: 50mm



工作距离: 100mm

