

Half-ring light (HSPRL)

LS-HSPRL series · Ring lights · 9 models



Half-ring light with densely arranged LEDs for higher brightness and uniformity; the special half-ring design gives matching illumination for half-ring workpieces and ultra-low-angle lighting; one or more can be used as the situation requires.

Features

- Ultra-low-angle illumination

Applications

- Outline and size measurement of arc-shaped objects
- PCB inspection
- Product label inspection

Colours

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

Common specifications

Recommended controllers	HAPC2424P / HMAPC2420
Cable length (mm)	500
Operating environment	Ambient about 25 °C, operating temperature within 35 °C
Expected life	Red and white: 30000 h continuous, decays to 50% (typical one-year decay 8-15%); blue and green: 30000 h continuous, decays to 60% (typical one-year decay 10-18%)
Support	1 year of free standard technical support; can be customised to the inspected feature, working distance, illumination angle and field of view

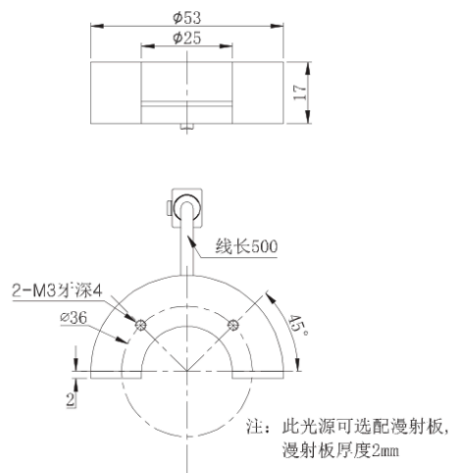
Ordering code: H-SPRL-<outer dia. mm>-<emitting angle, deg>-<colour> (example H-SPRL-53-90-W)

Models

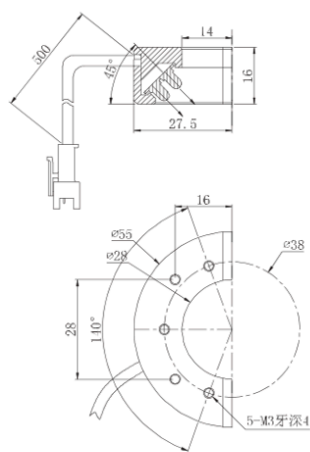
Model	Outer diameter (mm)	Inner diameter (mm)	Angle (deg)	Power (W)	Height (mm, drawing)
LS-HSPRL5390 colours: R, G, B, W	53	25	90	3.5	17
LS-HSPRL5545 colours: R, G, B, W	55	28	45	1	16
LS-HSPRL6000 colours: R, G, B, W	30	61	0	1	9
LS-HSPRL9030 colours: R, G, B, W	45	25	30	4.5	23
LS-HSPRL9045 colours: R, G, B, W	90	52	45	3.5	20.5
LS-HSPRL9070 colours: R, G, B, W	90	45	70	4	20
LS-HSPRL10030 colours: R, G, B, W	100	60	30	3.5	23
LS-HSPRL12070 colours: R, G, B, W	120	65	70	4.5	20
LS-HSPRL16500 colours: R, G, B, W	165	110	0	5	27.3

Dimensions

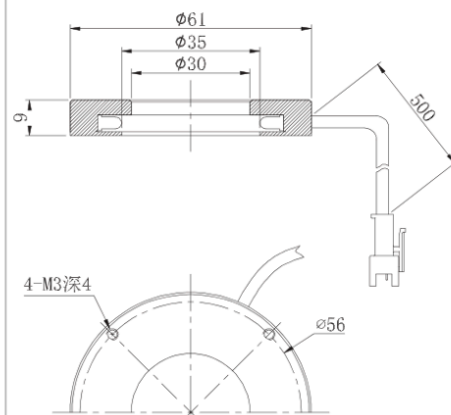
LS-HSPRL5390



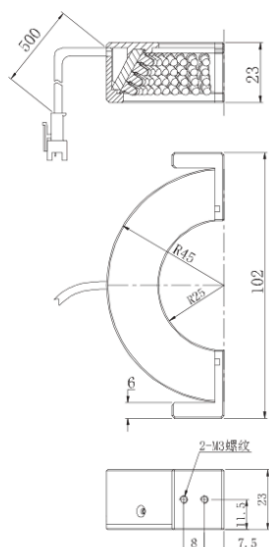
LS-HSPRL5545



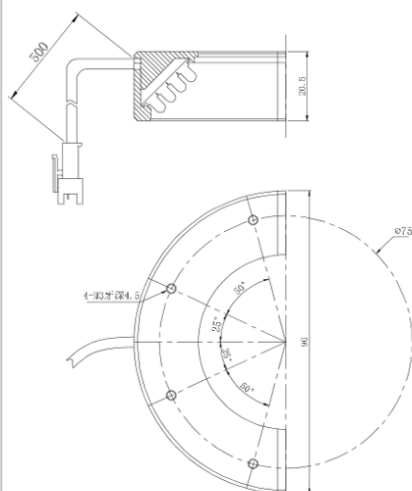
LS-HSPRL6000



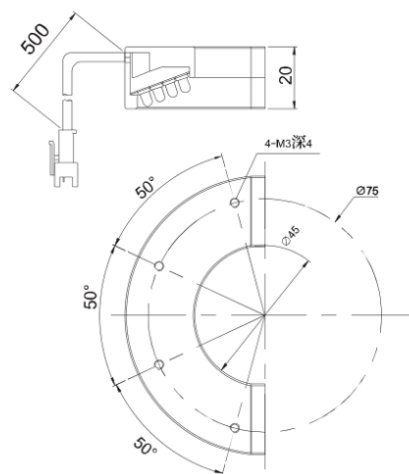
LS-HSPRL9030



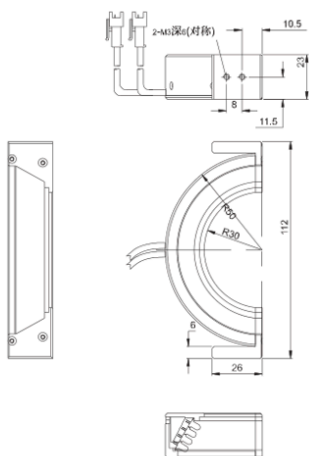
LS-HSPRL9045



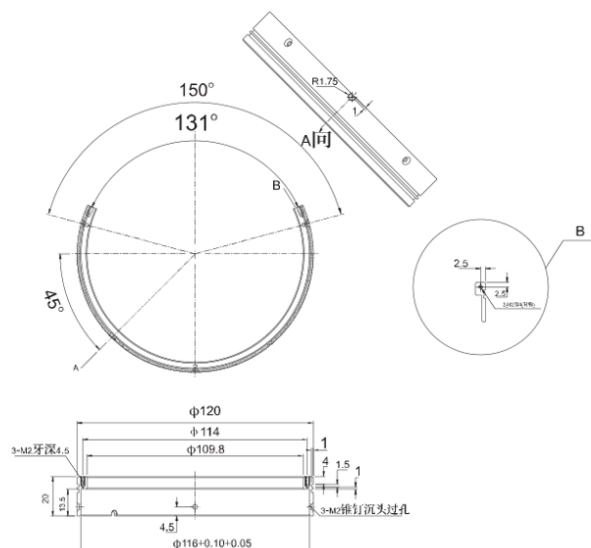
LS-HSPRL9070



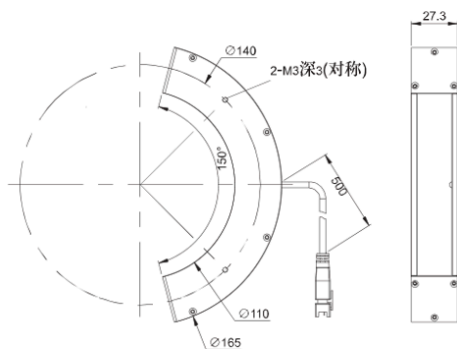
LS-HSPRL10030



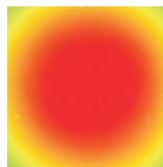
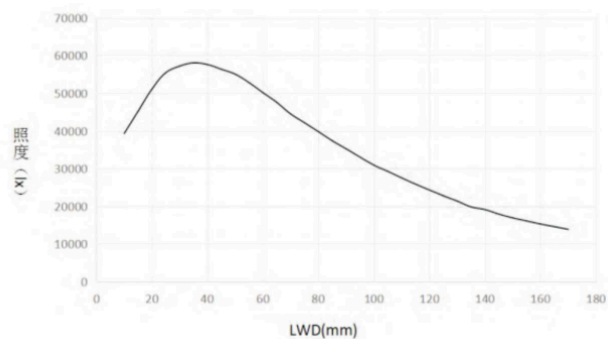
LS-HSPRL12070



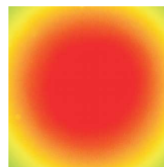
LS-HSPRL16500



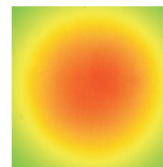
Performance



工作距离: 80mm



工作距离: 100mm



工作距离: 120mm