

Flat shadowless light (HFSL)

LS-HFSL series · Shadowless lights · 4 models

LEDs are densely arranged around the edge of a diffuser plate, so the emitted light is guided efficiently into the plate; a reflective film on the plate surface refracts and reflects it, producing very even, omnidirectional illumination.



Features

- Very even, omnidirectional illumination

Applications

- Tablet/pill appearance inspection
- Reading 2D codes on metal surfaces
- Small metal parts surface inspection
- Laser characters on ceramic capacitor surfaces

Colours

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

Common specifications

Recommended controllers	HL-MAPC2420 / HL-APC2424P
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

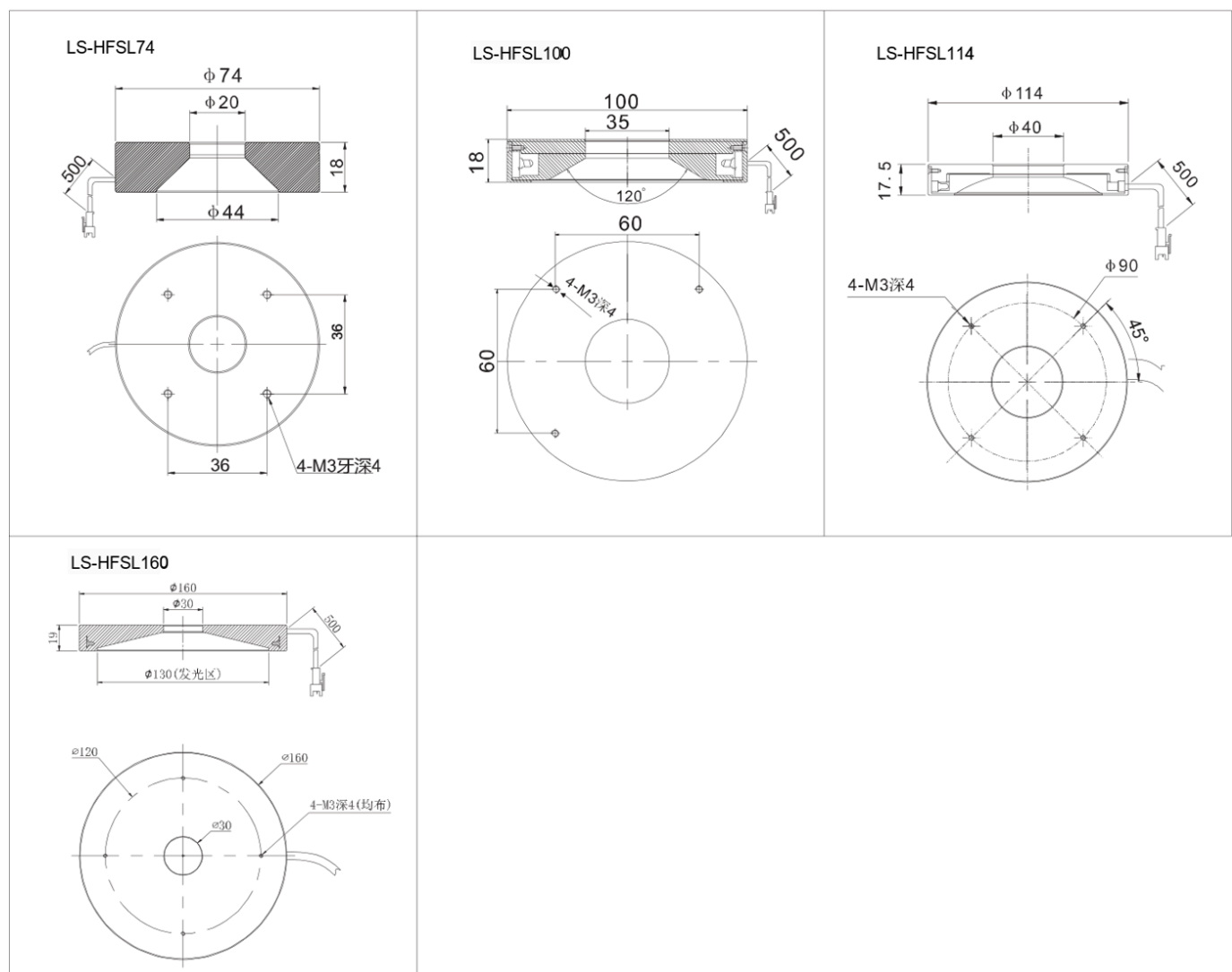
1 year of free standard technical support; can be customised to the inspected feature, working distance, illumination angle and field of view

Ordering code: H-FSL-<max. outer dia. mm>-P-<colour> (example H-FSL-116-P-W; P = upgraded version)

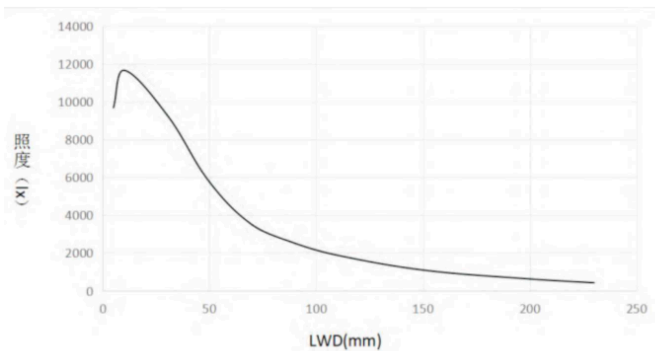
Models

Model	Outer diameter (mm)	Inner diameter (mm)	Power, green/blue/white (W)	Power, red (W)	Height (mm, drawing)
LS-HFSL74 colours: R, G, B, W	74	20	2.5	1.5	18
LS-HFSL100 colours: R, G, B, W	100	35	6.0	6.0	18
LS-HFSL114 colours: R, G, B, W	114	40	4.0	4.0	17.5
LS-HFSL160 colours: R, G, B, W	116	30	4.5	3.0	19

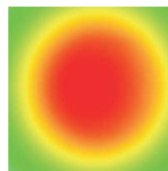
Dimensions



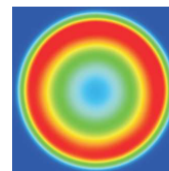
Performance



工作距离: 50mm



工作距离: 100mm



工作距离: 120mm