

Spot light (HNSPL)

LS-HNSPL series · Spot lights · 3 models

Spot light with a front-end diameter of 8 mm or 9 mm and a 6 mm emitting diameter; high brightness and a small emitting area. Can be used alone in a machine vision system or with a microscope lens or a telecentric lens with coaxial function.



Features

- Special lens combination for high brightness
- Highly uniform spot illumination

Applications

- Capacitor appearance inspection
- Screw surface defects, dents
- Electronic component solder joints

Colours

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

Common specifications

Recommended controllers	HCPL515D / HAPL515 / HMAPL515
Cable length (mm)	500
Operating environment	Ambient about 22 °C, operating temperature within 25 °C
Expected life	Red, white, blue and white (as printed): 20000 h continuous, decays to 60% (typical one-year decay 10-20%)
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-NSPL-<front port dia. mm>-<power W>-P-<colour> (example H-NSPL-8-5-P-W; P = upgraded)

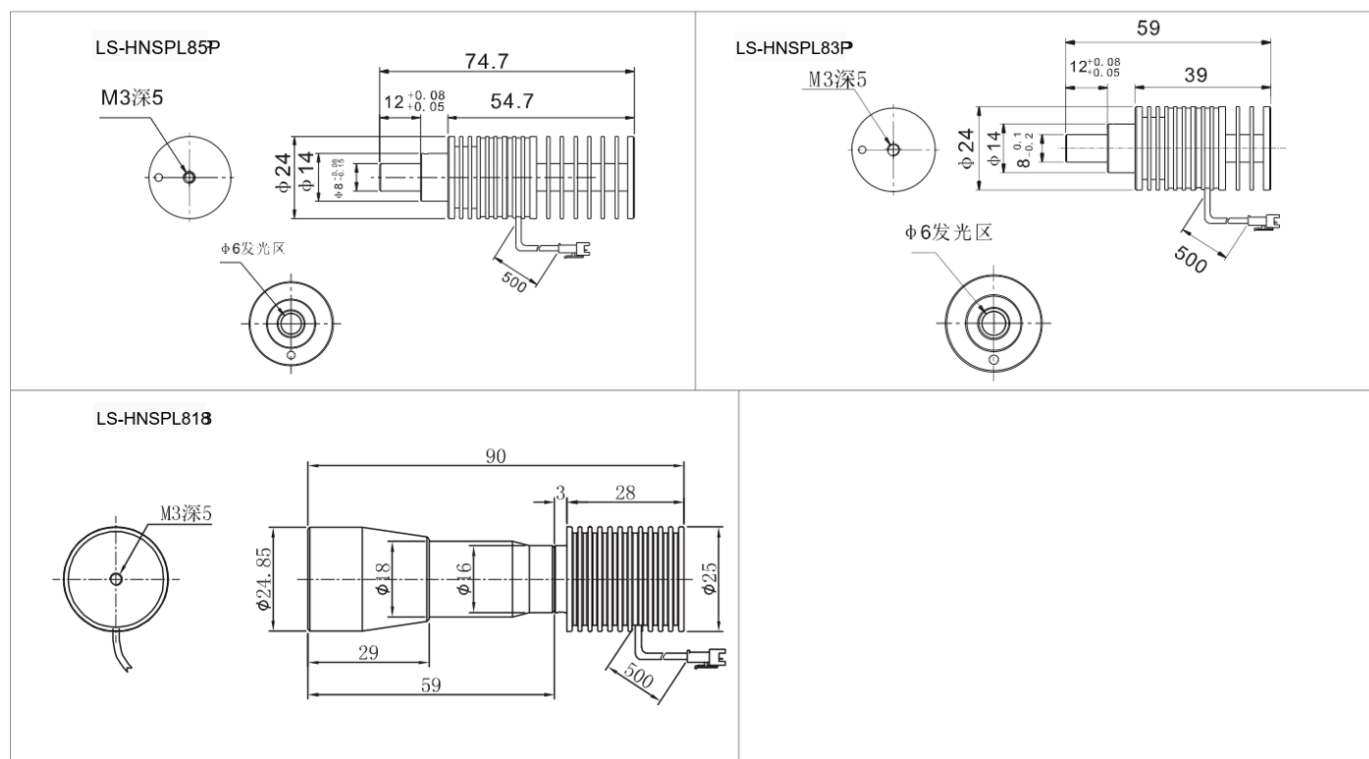
version)

Models

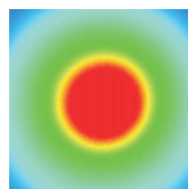
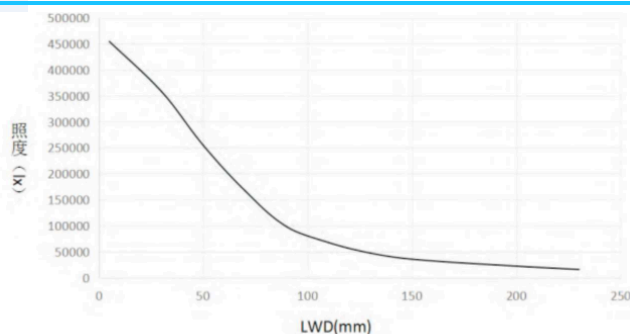
Model	Body dia. (mm, drawing)	Length (mm, drawing)
LS-HNSPL85P colours: R, G, B, W	24	74.7
LS-HNSPL83P colours: R, G, B, W	24	59
LS-HNSPL818 colours: R, G, B, W	25	90

More values per model (Emitting size (mm), Power (W), Emitting dia. (mm, drawing)) are on each product page.

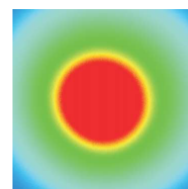
Dimensions



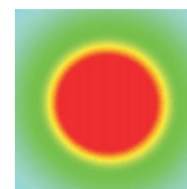
Performance



LS-HNSPL85P-B



LS-HNSPL85P-R



LS-HNSPL85P-W