

Dome light (HDL)

LS-HDL series · Dome lights · 6 models

Dome light is a diffuse-reflection shadowless light: optimally arranged LEDs shine into a spherical diffuse reflector, which spreads the light smoothly and evenly over the object surface. Its large diffusing surface lights the object evenly from all directions; suited to uneven, reflective objects, even curved metal surfaces.



Features

- Highly uniform diffuse illumination; eliminates interference from uneven product surfaces

Applications

- Reflective and uneven surfaces
- Capacitor surface damage; inkjet codes on can bottoms
- Instrument dials with glass covers
- Capacitor polarity on uneven circuit boards

Colours

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

Common specifications

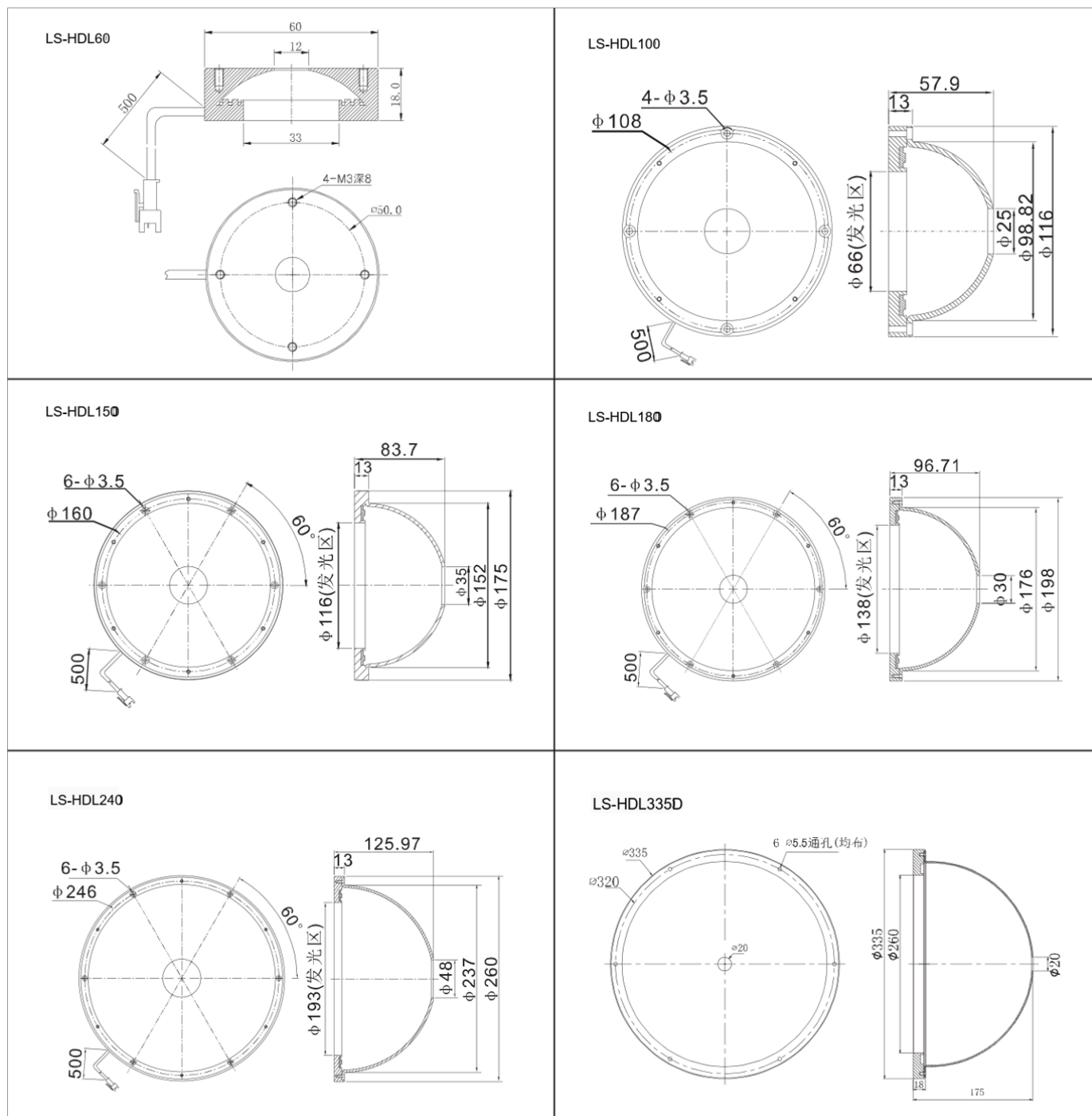
Cable length (mm)	500
Operating environment	Ambient about 25 °C, operating temperature within 35 °C
Expected life	Red and white: 30000 h continuous, decays to 50% (typical one-year decay 8-15%); blue and green: 30000 h continuous, decays to 60% (typical one-year decay 10-18%)
Support	1 year of free standard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

Ordering code: H-DL-<max. outer dia. mm>-D-<colour> (example H-DL-335-D-W; D = ABS material)

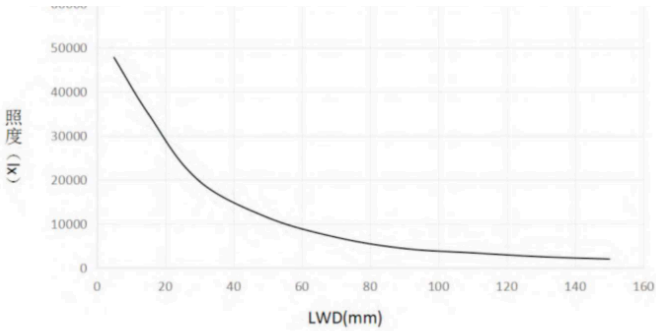
Models

Model	Emitting dia. (mm)	Power, green/blue/white (W)	Power, red (W)	Recommended controllers	Outer dia. (mm, drawing)	Height (mm, drawing)	Camera hole dia. (mm, drawing)
LS-HDL60 colours: R, G, B, W	33	3.0	3.0	HMAPC2420 / HAPC2424P	60	18	12
LS-HDL100 colours: R, G, B, W	66	14.5	7.5	HMAPC2420 / HAPC2424P	116	57.9	25
LS-HDL150 colours: R, G, B, W	116	18.0	11.0	HAPC2424P / HAPC2460P	175	83.7	35
LS-HDL180 colours: R, G, B, W	138	22.0	14.5	HAPC2424P / HAPC2460P	198	96.71	30
LS-HDL240 colours: R, G, B, W	193	25.5	18.0	HAPC2424P / HAPC2460P	260	125.97	48
LS-HDL335D colours: R, G, B, W	260	67.5	67.5	HMDPC2480	335	175	20

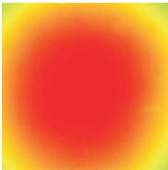
Dimensions



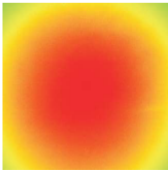
Performance



工作距离: 10mm



工作距离: 20mm



工作距离: 30mm

