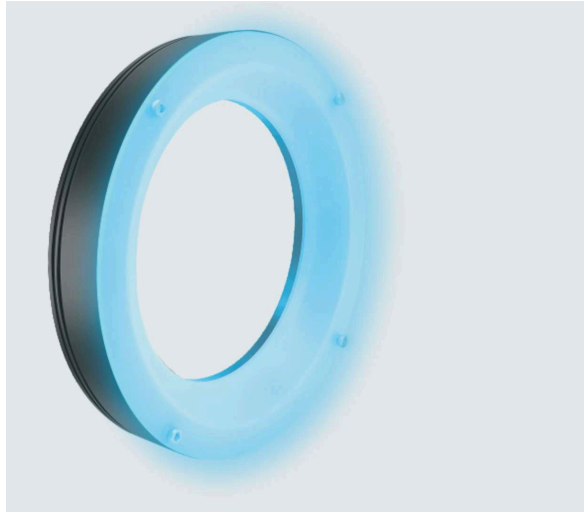


Ring shadowless light (HHRL)

LS-HHRL series · Shadowless lights · 8 models

The LEDs of the ring shadowless light have a unique structured arrangement; after a special diffuser the light forms an even illumination area directly below the centre of the light, similar to a round shadowless lamp. One of the most widely used lights in machine vision.



Features

- Eliminates reflection interference, high brightness
- Highly uniform diffuse illumination

Applications

- Defects on highly reflective but uneven surfaces
- Aluminium-foil packaging of medicines
- Characters on bright metal phone housings and panels
- Silk-screen print on bright plastic IC packages

Colours

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

Common specifications

Recommended controllers	HAPC2424P / HDPC2465D
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-HRL-<outer dia. mm>-<colour> (example H-HRL-75-W)

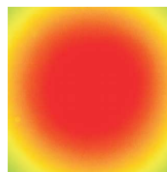
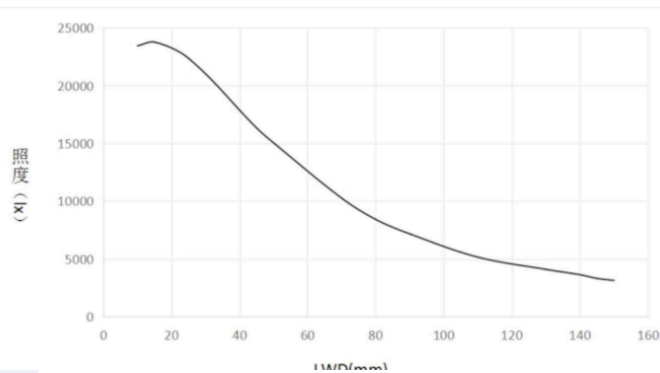
Models

Model	Outer diameter (mm)	Inner diameter (mm)	Power, green/blue/white (W)	Power, red (W)	Height (mm, drawing)
LS-HHRL75 colours: R, G, B, W	75.5	42	4.0	3.0	22
LS-HHRL80 colours: R, G, B, W	80	36	8.0	7.0	26.5
LS-HHRL8860 colours: R, G, B, W	88	60	5.5	5.5	37
LS-HHRL100 colours: R, G, B, W	100	66	5.0	3.0	25.5
LS-HHRL136 colours: R, G, B, W	136	107	10.0	9.0	40
LS-HHRL150 colours: R, G, B, W	166	116	22.0	15.0	25.5
LS-HHRL180 colours: R, G, B, W	196	146	30.0	20.0	29.5
LS-HHRL240 colours: R, G, B, W	228	164	13.0	10.0	38

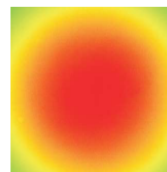
Dimensions

LS-HHRL75	LS-HHRL80	LS-HHRL8860
LS-HHRL100	LS-HHRL136	LS-HHRL150
LS-HHRL180	LS-HHRL240	

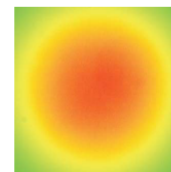
Performance



工作距离: 50mm



工作距离: 80mm



工作距离: 120mm