

High power ring light (RNH)

LS-RNH series · Ring lights · 8 models



High power ring light using high power LEDs in a uniform array, with triple the luminance of a common ring light, good thermal design, steady emission and long life-span; dimensions can be customized.

Features

- High power LEDs, uniform arraying
- Triple luminance of a common ring light
- Good thermal design, steady emitting, long life-span
- Dimension can be customized
- Options: polarized plate, lens shackle
- Customizable: combined light, outer & inner diameter, colour & colour temperature, cable length, installation method

Applications

- Long distance illumination
- High speed assembly line illumination
- Large area illumination
- Type-C connector stitch inspection

Colours

R	620-630 nm
G	525-530 nm
B	465-470 nm
W	6600 K

Common specifications

Voltage	24 V DC
Peak wavelength / colour temperature	Red 620-630 nm, Green 525-530 nm, Blue 465-470 nm, White 6600 K (colour temperature)
Adapted controller	Strobe controller; analog controller; digital controller
Options	Polarized plate, lens shackle

Diameter range (overview)	dia. 45-300
Recommended working distance	50-250 mm
FOV	1-150 mm
Comparison	Under the same exposure and aperture, LS-RNH4590-W gives higher luminance, stable effect and higher contrast than ring light LS-RN5590-W for stitch inspection
Operating environment	Temperature 0-50 °C, humidity 20-85% (non-condensing)
Life-span	50000 h (to 50% of factory-default luminance)
Extension cable options	PVC extension cable (flexible, bend and heat resistant, for use inside equipment); high-flexibility extension cable (harder and more abrasion resistant than PVC, for drag-chain production lines)
UV / IR	UV & IR light can be customized as required

Ordering code: LS-RNH<outer diameter><angle>-<R/G/B/W/IR/UV>

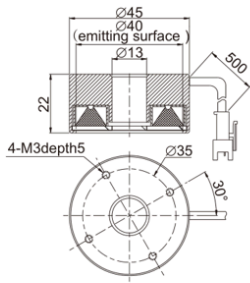
Models

Model	Power G/ B/W (W)	Weight (g)	Outer diameter (mm)	Inner diameter (mm)	Height (mm)	Emitting surface dia. (mm)	Mounting holes
LS-RNH4590 colours: G, B, W	2.4	67	45	13	22	40	4-M3 depth 5; hole circle dia. 35
LS-RNH8490 colours: R, G, B, W	4.8	162	84	47	33.5	77	4-M3 depth 5; 3-M3 (evenly spaced) on the front; hole circle dia. 70
LS-RNH10090 colours: R, G, B, W	7.2	223	100	60	24	92	4-M3 depth 5; hole circle dia. 80
LS-RNH11090 colours: R, G, B, W	9.6	318	110	70	20	102	4-M3 depth 4; cable hole dia. 4.2; hole circle dia. 90
LS-RNH12090 colours: R, G, B, W	7.2	379	120	70	33	110	4-M3 depth 5; 3-M3 (evenly spaced) on the front; hole circle dia. 100
LS-RNH15090 colours: R, G, B, W	9.6	404	150	102	24	142	4-M3 depth 5 (evenly spaced); hole circle dia. 140
LS-RNH22090 colours: R, G, B, W	14.4	525	220	172	24	212	6-M3 depth 5 (evenly spaced); hole circle dia. 210
LS-RNH30090 colours: R, G, B, W	19.2	807	300	252	24	292	6-M3 depth 5 (evenly spaced); hole circle dia. 290

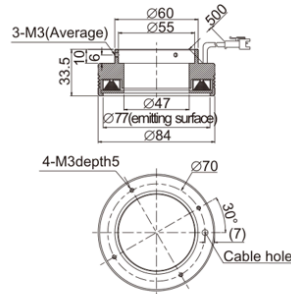
More values per model (Voltage (V), Cable (mm), Drawing no., Common model, Power R (W)) are on each product page.

Dimensions

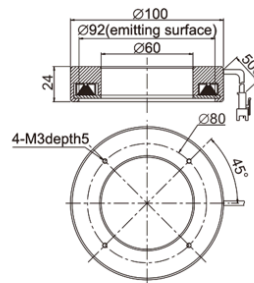
1.LS-RNH4590



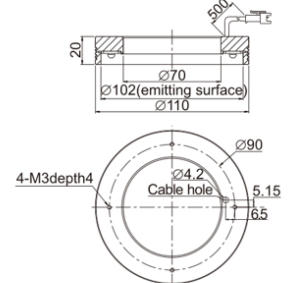
2.LS-RNH8490



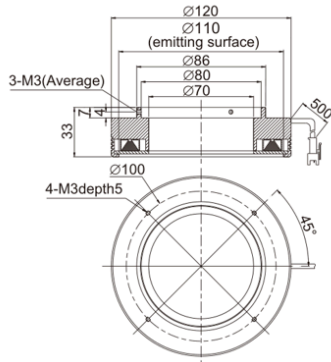
3.LS-RNH10090



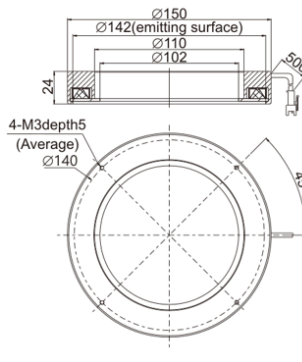
4.LS-RNH11090



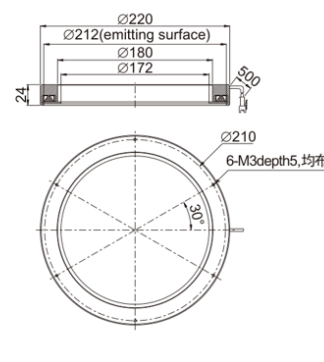
5.LS-RNH12090



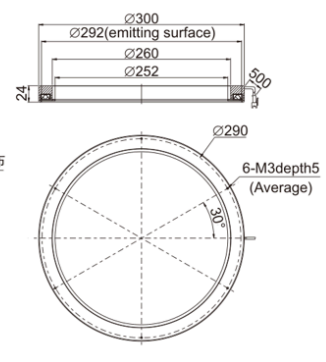
6.LS-RNH15090



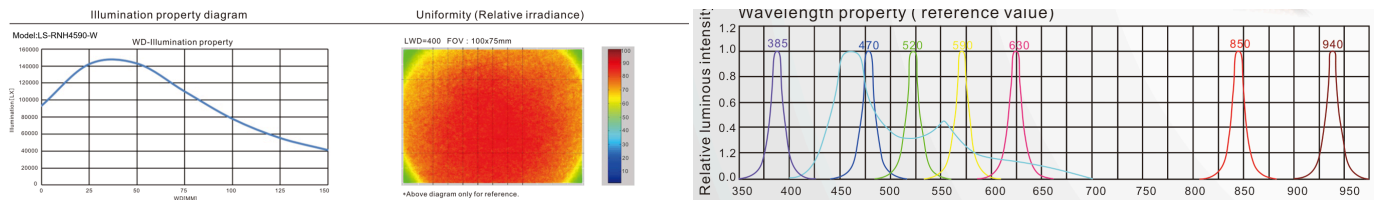
7.LS-RNH22090



8.LS-RNH30090



Performance



Product views

