

Ring light (RS series)

LS-RS series · Ring lights · 41 models

Ring light with a high-density LED array for high brightness, in a compact housing that saves installation space. A unique heat-dissipation structure improves stability; an optional diffuse plate spreads the light evenly.



Features

- High density LED array, high brightness
- Compact structure design, saves installation space
- Optional diffuse plate to make light diffusion even
- Unique heat dissipation structure, improves the stability of the light source

Applications

- Various character recognition
- Various appearance inspection
- Various damage and defect inspection
- QR codes, one-dimension bar code reading
- Part inspection on substrates
- Mint-mark on the metal surface
- Various edge extraction
- Inspection of foreign matter mixed in medicine

Colours

R	620-630 nm
G	520-530 nm

B	465-475 nm
W	6000-10000 K
IR	850-940 nm
UV	365-405 nm

Common specifications

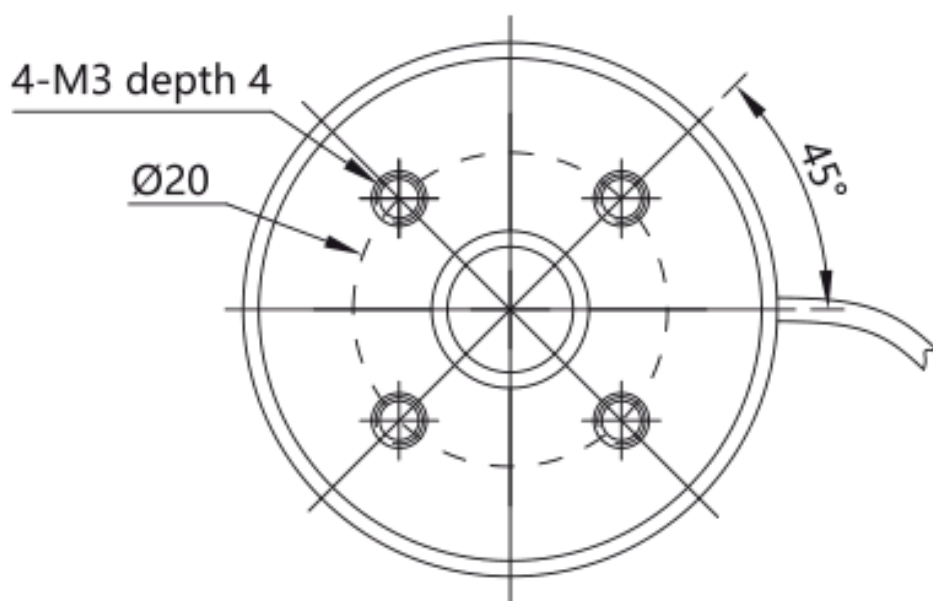
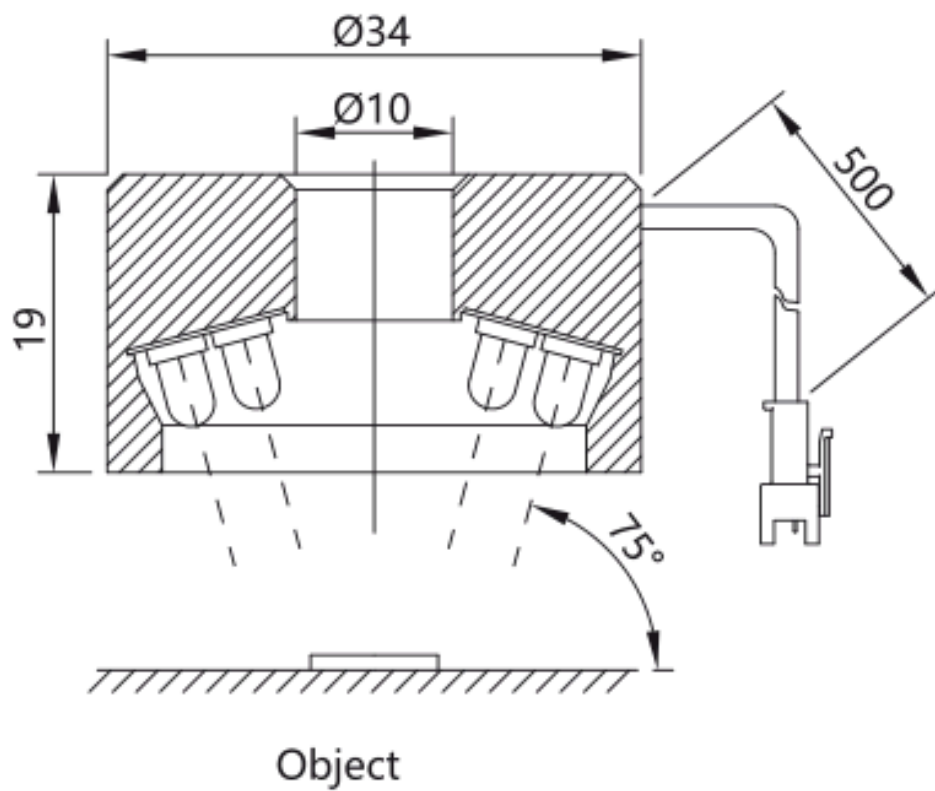
Wavelength red	620-630 nm
Wavelength green	520-530 nm
Wavelength blue	465-475 nm
Colour temperature white	6000-10000 K
Wavelength IR	850-940 nm
Wavelength UV	365-405 nm
Storage temperature	20 to 60 °C
Operating temperature	0 to 40 °C
Humidity	20-85 %RH (non-condensing)
Optional accessories	Extension cable, diffuse plate
Controller	LS-DPS series, LS-APS series, LS-SPS series (the selected controller should match the power of the light source)
Service life	Red: 60000 h continuous at 25 °C and 50% illumination until 50% decrement; white: 30000 h under the same conditions
Warranty	1 year free maintenance or replacement for faults not caused by the user
Cable length	500 mm (drawings)

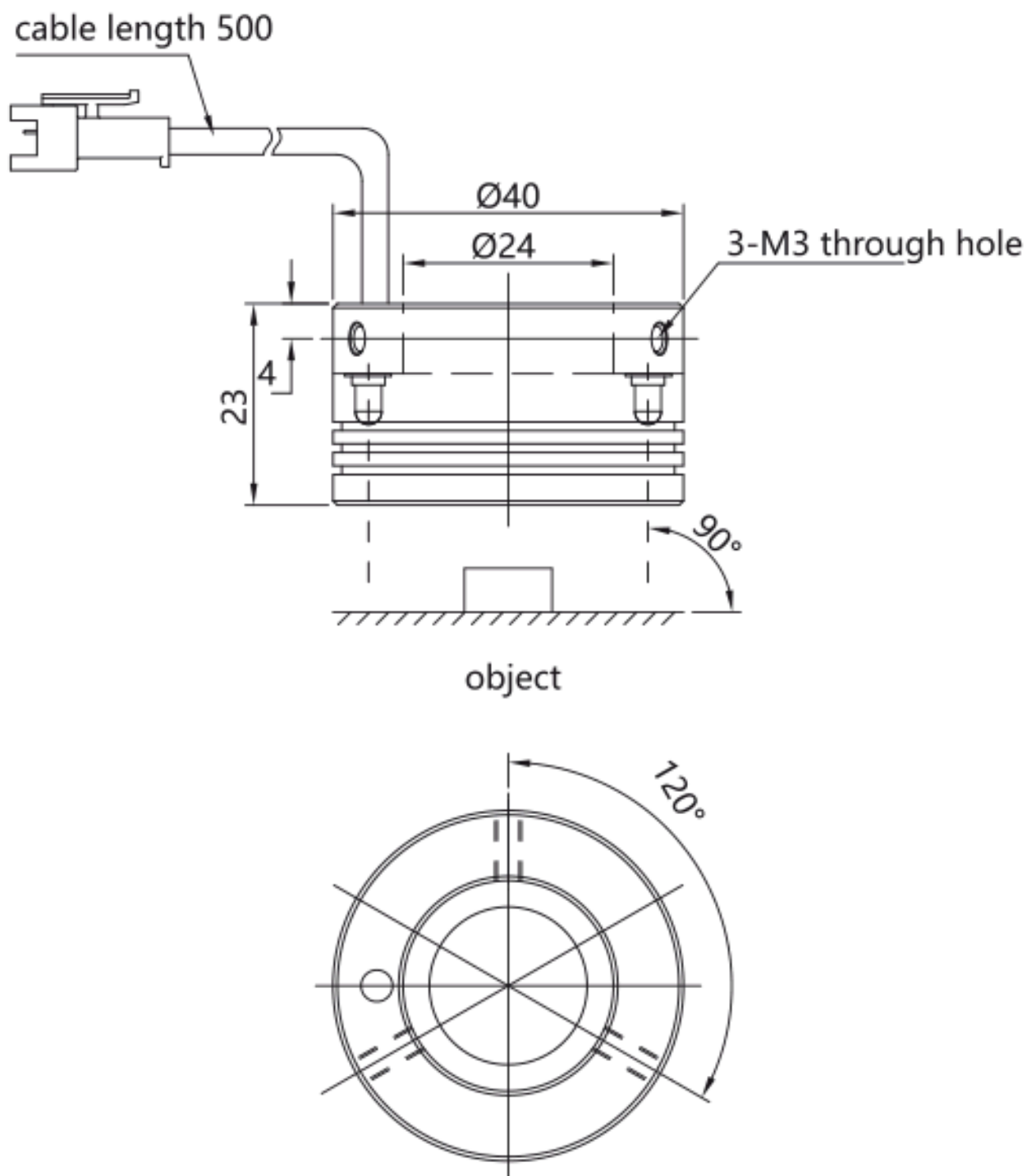
Ordering code: LS-RS<OD mm><luminous angle>-<R/G/B/W> (e.g. LS-RS5390-R: OD 53 mm, 90°, red); 'G' in G means overseas version

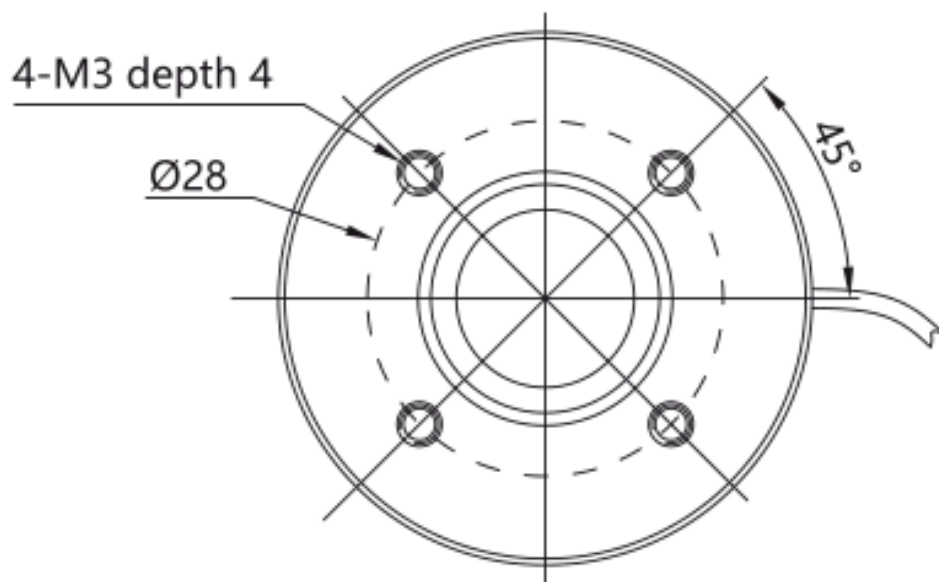
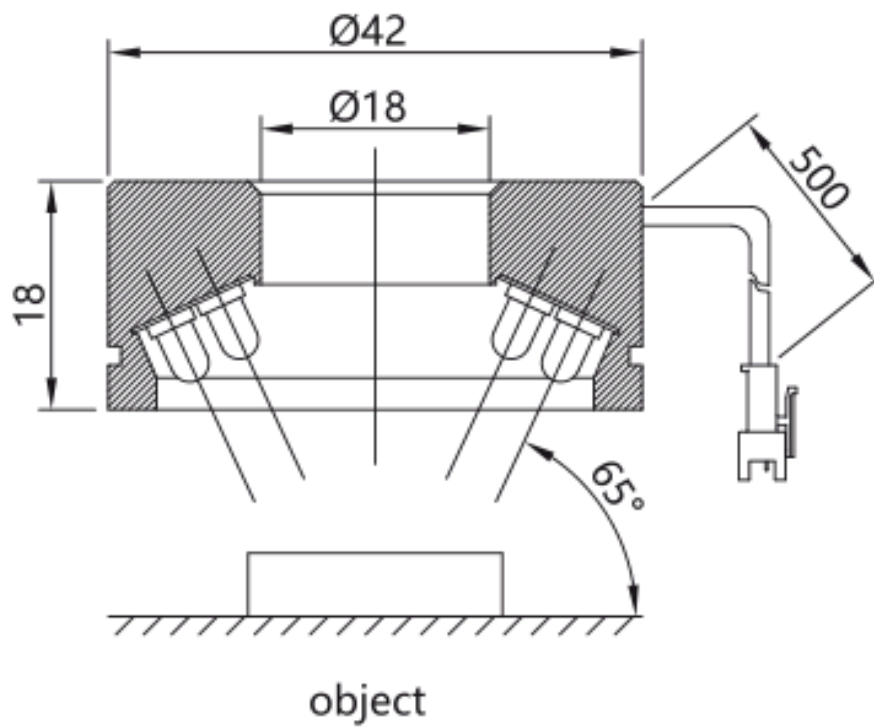
Models

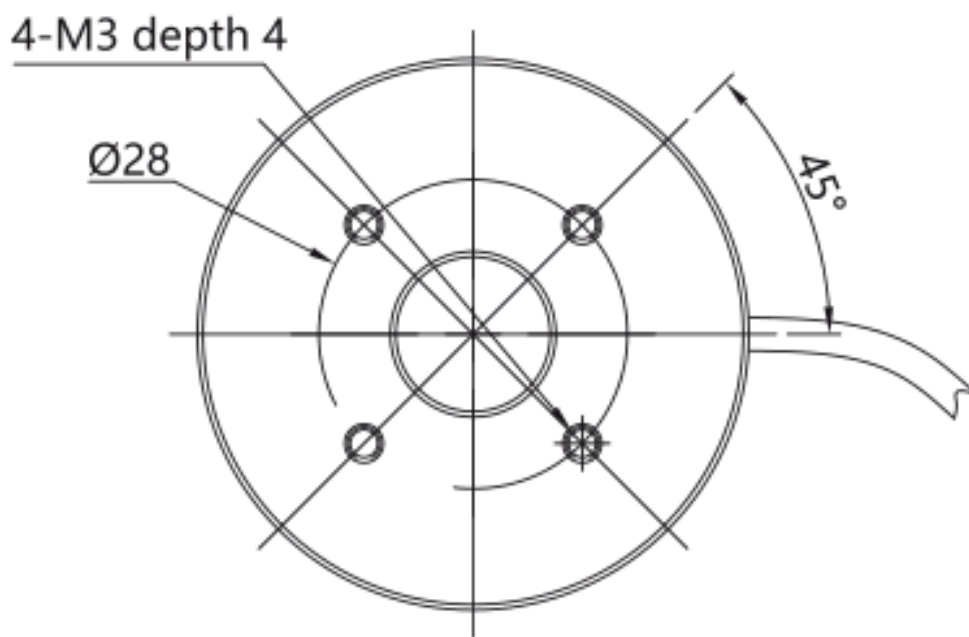
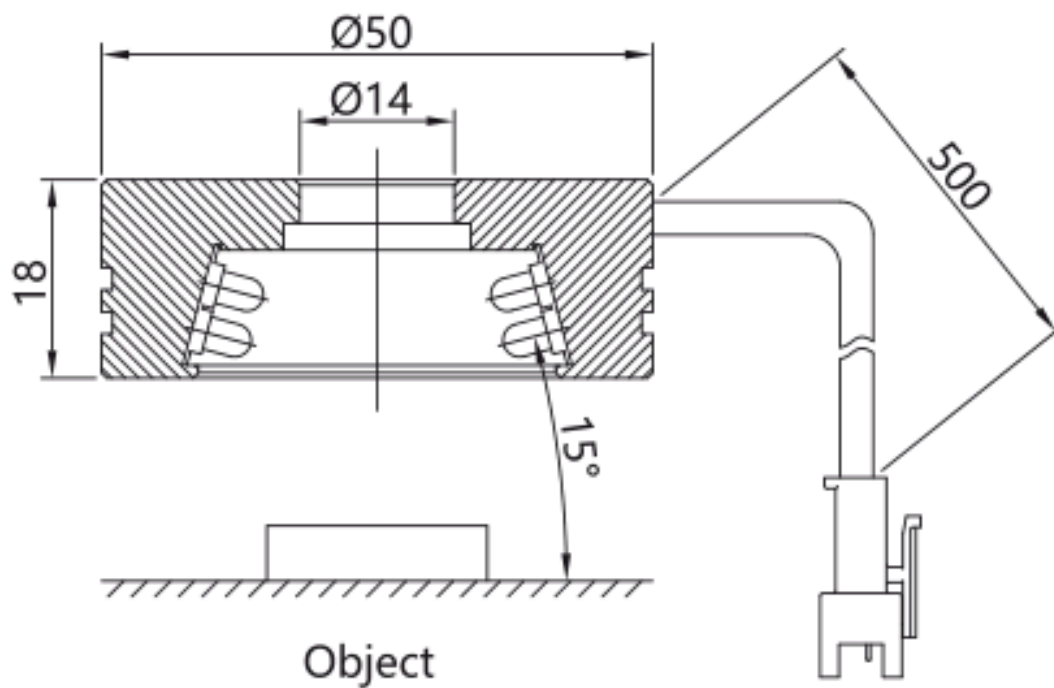
Model	Item	Power R (W)	Power G/B/W (W)	Lamp bead rows	OD (mm)	ID (mm)	H (mm)
LS-RS3475-R/G/B/W colours: R, G, B, W	1	1.2	2	2	34	10	19
LS-RS4090-R/G/B/W colours: R, G, B, W	2	0.8	1.2	1	40	24	23
LS-RS4265-R/G/B/W colours: R, G, B, W	3	1.6	2.4	2	42	18	18
LS-RS5015-R/G/B/W colours: R, G, B, W	4	1.6	2.4	2	50	14	18
LS-RS5045-R/G/B/W colours: R, G, B, W	5	3.2	4.8	3	50	20	19
LS-RS5260-R/G/B/W colours: R, G, B, W	6	2.4	3.6	2	52	28	20
LS-RS5390-R/G/B/W colours: R, G, B, W	7	2	3.2	2	53	25	17
LS-RS6000-R/G/B/W colours: R, G, B, W	8	1.2	2	1	60	30	9
LS-RS6030-R/G/B/W colours: R, G, B, W	9	2.4	3.6	2	60	22	18

LS-RS6660-R/G/B/W colours: R, G, B, W	10	4	6.7	3	66	35	20
LS-RS7390-R/G/B/W colours: R, G, B, W	11	4.8	7.1	3	73	36	17.5
LS-RS7430-R/G/B/W colours: R, G, B, W	12	3.2	4.8	2	74	40	20
LS-RS7460-R/G/B/W colours: R, G, B, W	13	4.8	7.1	3	74	35	20
LS-RS9030-R/G/B/W colours: R, G, B, W	14	6.3	9.5	3	90	50	21
LS-RS9045-R/G/B/W colours: R, G, B, W	15	7.1	12	4	90	46	21
LS-RS9070-R/G/B/W colours: R, G, B, W	16	7.1	12	4	90	44	20
LS-RS9600-R/G/B/W colours: R, G, B, W	17	2.4	3.6	1	96	60	10
LS-RS10090-R/G/B/W colours: R, G, B, W	18	8.3	14	5	100	40	18
LS-RS12030-R/G/B/W colours: R, G, B, W	19	8.3	14	3	120	80	23
LS-RS12050-R/G/B/W colours: R, G, B, W	20	11	17	4	120	80	23
LS-RS12070-R/G/B/W colours: R, G, B, W	21	11	17	4	120	65	22
LS-RS12090-R/G/B/W colours: R, G, B, W	22	8.7	13	3	120	76	18
LS-RS13220-R/G/B/W colours: R, G, B, W	23	9.5	15	3	132	96	22
LS-RS14600-R/G/B/W colours: R, G, B, W	24	3.2	4.8	1	146	104	11
LS-RS15030-R/G/B/W colours: R, G, B, W	25	13.4	20	4	150	102	27
LS-RS15045-R/G/B/W colours: R, G, B, W	26	11	16	3	150	110	21
LS-RS15060-R/G/B/W colours: R, G, B, W	27	11	16	3	150	110	21
LS-RS15090-R/G/B/W colours: R, G, B, W	28	26	37	9	150	40	18
LS-RS17020-R/G/B/W colours: R, G, B, W	29	13	19	3	170	134	22
LS-RS17090-R/G/B/W colours: R, G, B, W	30	16	22	4	170	120	22
LS-RS17200-R/G/B/W colours: R, G, B, W	31	4.8	6.3	1	172	130	9
LS-RS18030-R/G/B/W colours: R, G, B, W	32	24	26	5	180	132	27
LS-RS18060-R/G/B/W colours: R, G, B, W	33	18	26	4	180	126	21
LS-RS18090-R/G/B/W colours: R, G, B, W	34	16	23	4	180	130	22
LS-RS20820-R/G/B/W colours: R, G, B, W	35	15	19	3	208	172	23

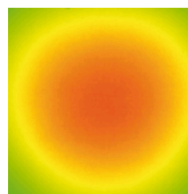
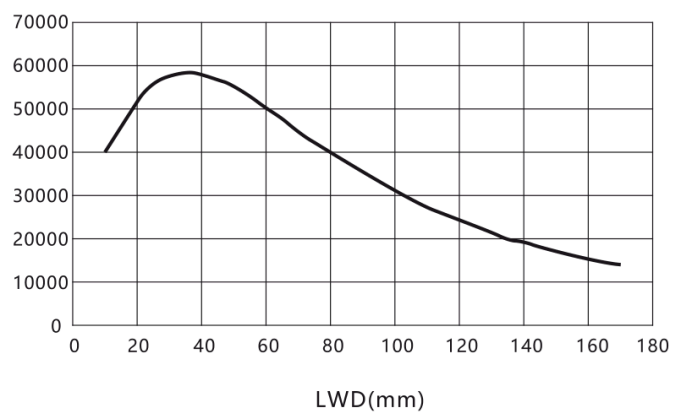




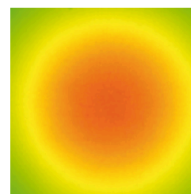




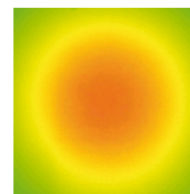
Performance



LWD=90mm



LWD=120mm



LWD=150mm

Product views

