

Arc-shaped light (SRN)

LS-SRN series · Ring lights · 19 models



Arc-shaped light with an LED arc array; the arc angle can be customized and many models are available. It adapts to working environments of various shapes and is more flexible than a common ring light.

Features

- LED arc-shaped array
- Arc angle can be customized, various models
- Adapts to various working-environment shapes, more flexible than a common ring light
- Wire jacket covers the cable exit against pulling
- Customizable: emitting angle, outer & inner diameter, shape, colour & colour temperature, combined light, cable length, multi-area control, installation method

Applications

- PCB inspection
- Product label inspection
- Arc-shaped component inspection
- Mobile 3D glass screen contour detection

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
Diameter range (overview)	dia. 50-500

Recommended working distance	0-50 mm
FOV	1-100 mm
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-SRN<outer diameter><angle>-<R/G/B/W/IR/UV>

Models

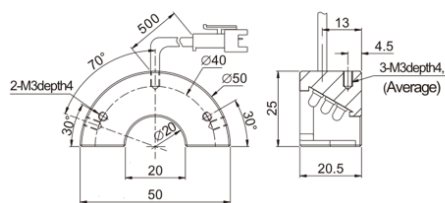
Model	Power R (W)	Power G/B/W (W)	Weight (g)	Drawing no.	Common model	Dimensions	Cable (mm)
LS-SRN5030 colours: R, G, B, W	0.7	1	41	1	Y	Outer dia. 50, inner dia. 20, height 25, depth 20.5; 2-M3 depth 4 and 3-M3 depth 4 (evenly spaced); hole circle dia. 40	500
LS-SRN7010 colours: R, G, B, W	0.8	1.2	60	2	N	Outer dia. 70, inner dia. 40, height 35, depth 21; 150° arc; 4-M3 depth 4 on dia. 60	500
LS-SRN7045 colours: R, G, B, W	1	1.7	64	3	N	Outer dia. 70, inner dia. 31, height 35, depth 21; 4-M3 depth 4 (evenly spaced) on dia. 54	500
LS-SRN7430 colours: R, G, B, W	1.2	1.9	76	4	Y	Outer dia. 74, inner dia. 40, height 20; arc height 54; 4-M3 depth 4 on dia. 60	500
LS-SRN9045 colours: R, G, B, W	2	3.2	101	5	Y	Outer dia. 90, inner dia. 52, height 45, depth 20.5; 4-M3 depth 4.5 (evenly spaced) on dia. 75	500
LS-SRN9120 colours: R, G, B, W	1.2	2	86	6	N	90° sector, R45.5 outer / R20 inner (R39 hole radius), (64.35) wide, (31.36) high, 33 deep; 2-M3 depth 6	500
LS-SRN10000 colours: R, G, B, W	1	1.4	60	7	N	-	-
LS-SRN12000 colours: R, G, B, W	2	2.9	111	8	N	-	-
LS-SRN12060 colours: R, G, B, W	5.8	8.7	115	9	N	-	-
LS-SRN17200 colours: R, G, B, W	1.2	2	115	10	N	-	-
LS-SRN17315 colours: R, G, B, W	2.2	3.6	136	11	N	-	-
LS-SRN18000 colours: R, G, B, W	5.8	9.6	339	12	N	-	-

LS-SRN24000 colours: R, G, B, W	2.4	3.8	104	13	N	-	-
LS-SRN28600 colours: R, G, B, W	2	2.9	112	14	N	-	-
LS-SRN29015 colours: R, G, B, W	2.9	4.4	138	15	Y	-	-
LS-SRN35000 colours: R, G, B, W	1	1.7	182	16	N	-	-
LS-SRN35090 colours: R, G, B, W	23.1	38.4	229	17	N	-	-
LS-SRN50000 colours: R, G, B, W	1	1.7	260	18	N	-	-
LS-SRNH9045 colours: G, B, W	-	8.6	118	19	N	-	-

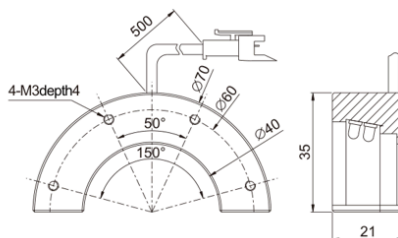
More values per model (Voltage (V)) are on each product page.

Dimensions

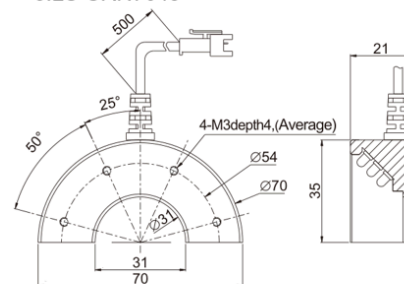
1.LS-SRN5030



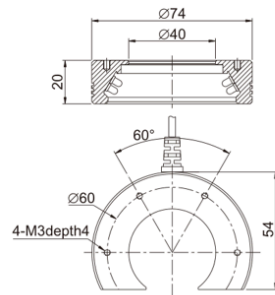
2.LS-SRN7010



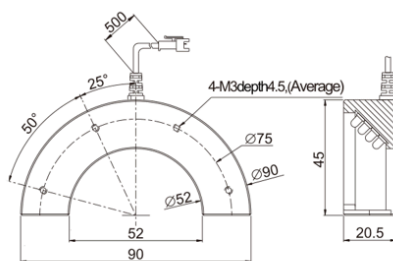
3.LS-SRN7045



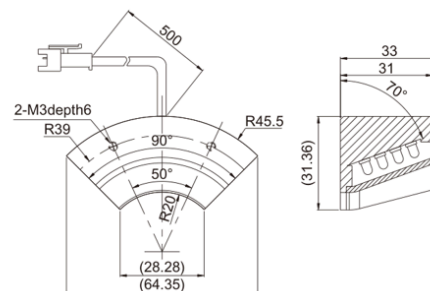
4.LS-SRN7430

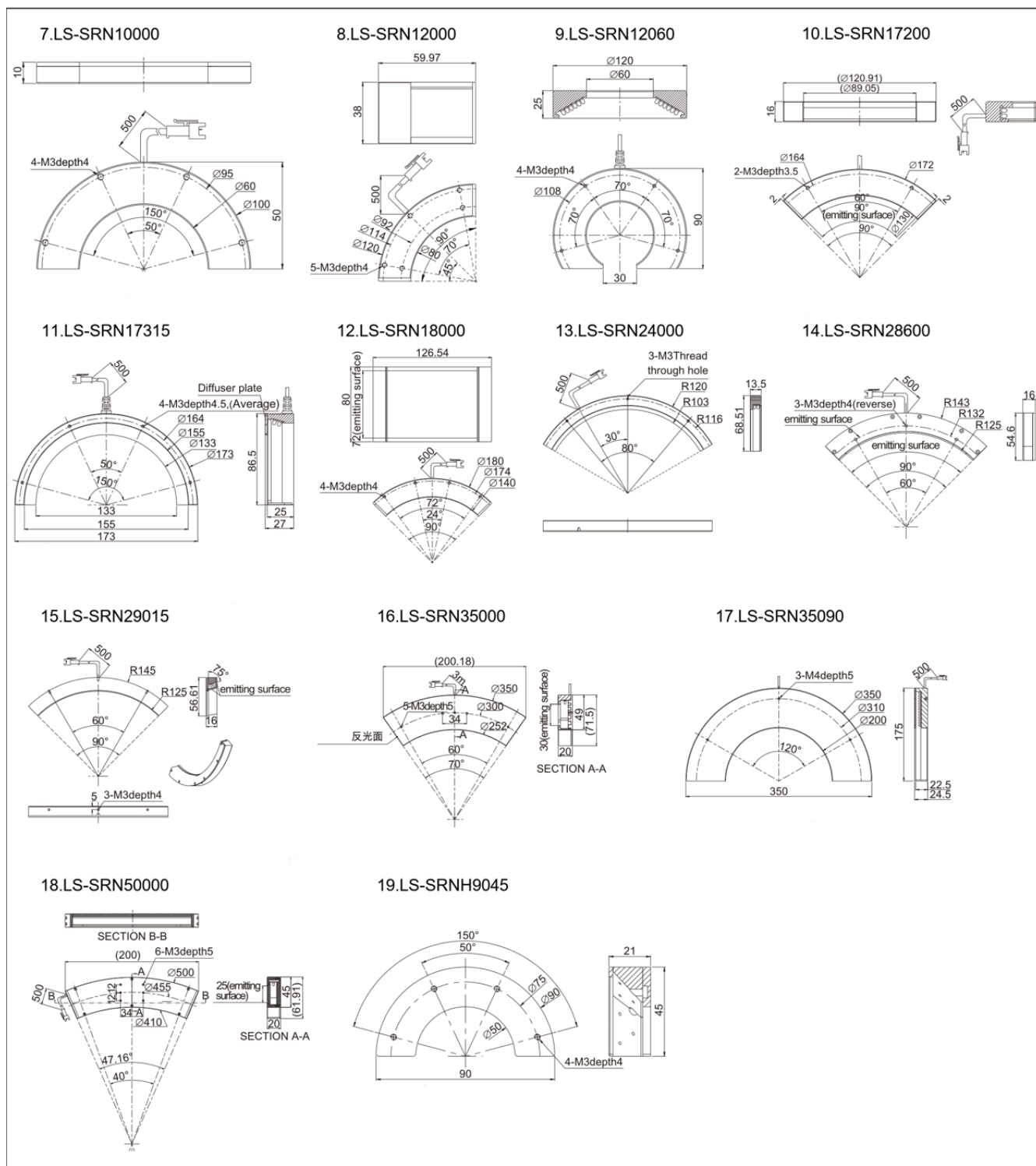


5.LS-SRN9045

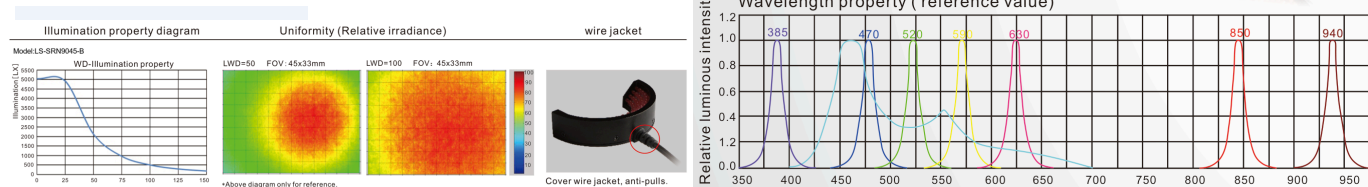


6.LS-SRN9120





Performance



Product views

