

Ring light (HLR)

LS-HLR series · Ring lights · 47 models



Ring light series with a high-density LED array for even brightness. Angles are customizable to requirements, wavelength/colour temperature and colour combinations are optional, and an optional diffuser gives uniform light.

Features

- Angles customizable to requirements.
- Wavelength and color temperature are optional, and different color combinations are also available.
- Compact design, easy installation.
- High-density LED array for even brightness.
- Optional diffuser for uniform light.

Applications

- Size/recognition
- Microscope illumination
- LCD calibration
- 2D code reading

Common specifications

Voltage (V)	24
Colours	Red, Green, Blue, White
Mounting (all drawn models)	4-M3 tapped holes, depth 4, on a P.C.D. (value per model)
Illumination chart	HLR-50-75: illuminance (lx) vs working distance (mm); uniformity maps at LWD 15/30/45/60 mm

Models

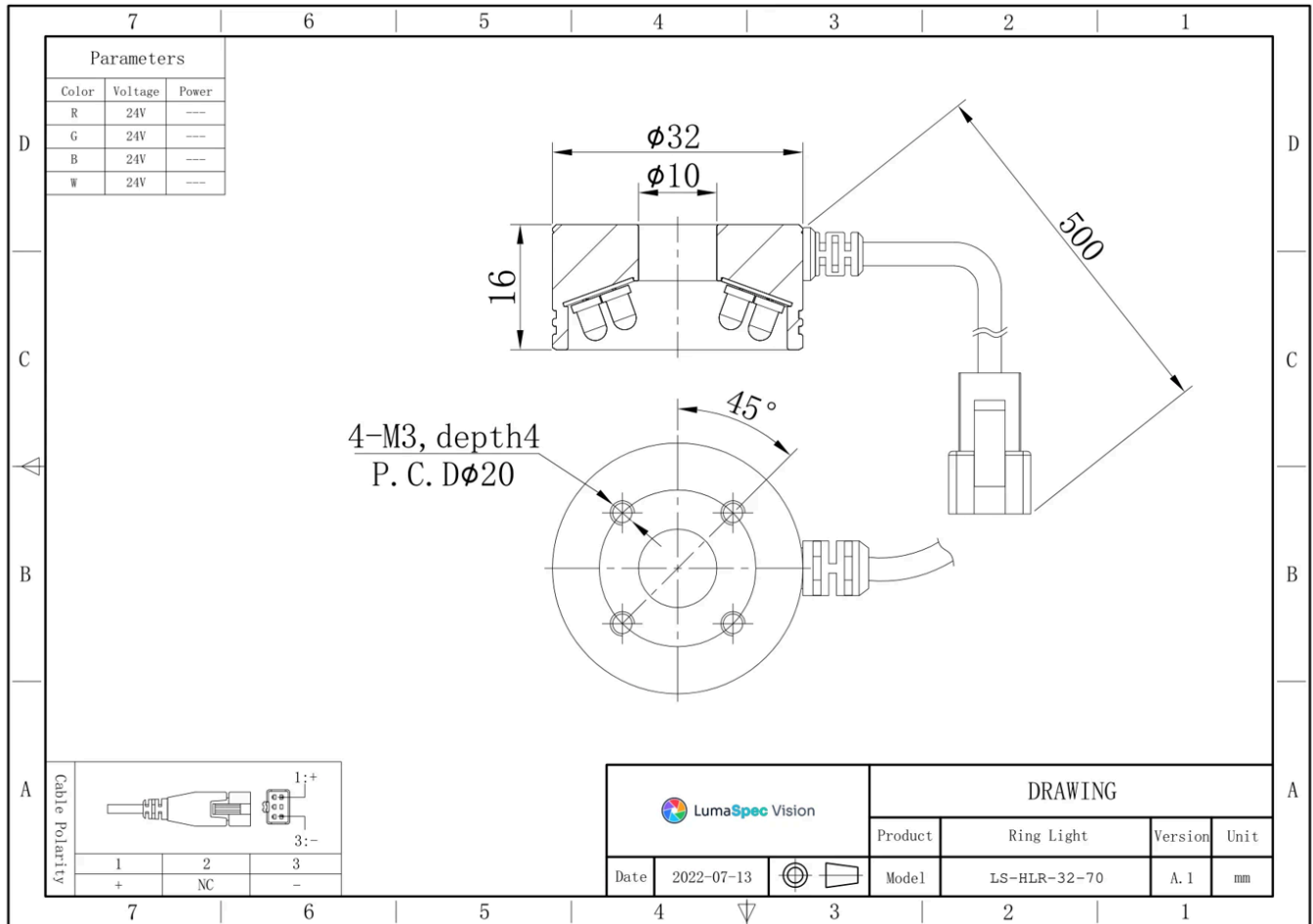
Model	LED rows	Angle (°)	Power R (W)	Power G/B/W (W)	OD x ID x H (mm)
LS-HLR-32-70 colours: Red, Green, Blue, White	2	70	1	1.5	32x10x16
LS-HLR-35-90 colours: Red, Green, Blue, White	2	90	1.5	2	35x14x18

Model	LED rows	Angle (°)	Power R (W)	Power G/B/W (W)	OD x ID x H (mm)
LS-HLR-42-65 colours: Red, Green, Blue, White	2	65	1.5	1.7	42x18x18
LS-HLR-50-45 colours: Red, Green, Blue, White	3	45	1.8	2	50x20x19
LS-HLR-50-60 colours: Red, Green, Blue, White	2	60	1.9	2.5	50x24x16
LS-HLR-50-75 colours: Red, Green, Blue, White	2	75	2	2.5	50x28x16
LS-HLR-50-90 colours: Red, Green, Blue, White	2	90	1.8	2.5	50x25x19
LS-HLR-48-30 colours: Red, Green, Blue, White	2	30	1.7	2.5	48x22x18.5
LS-HLR-50-30 colours: Red, Green, Blue, White	2	30	2	3	50x24x16
LS-HLR-60-60 colours: Red, Green, Blue, White	2	60	2.1	2.5	60x33.5x19.5
LS-HLR-66-60 colours: Red, Green, Blue, White	3	60	2.4	4	60x30x17
LS-HLR-70-45 colours: Red, Green, Blue, White	3	45	3	6	70x38x21
LS-HLR-70-60 colours: Red, Green, Blue, White	3	60	4.5	4.5	70x30x20
LS-HLR-70-90 colours: Red, Green, Blue, White	3	90	4	4.6	70x35x22
LS-HLR-72-75 colours: Red, Green, Blue, White	3	75	5	5	72x40x18
LS-HLR-66-30 colours: Red, Green, Blue, White	3	30	2.4	4	66x30x22
LS-HLR-74-60 colours: Red, Green, Blue, White	3	60	5.4	6	74x35x20
LS-HLR-74-30 colours: Red, Green, Blue, White	2	30	3	4.5	74x48x19
LS-HLR-75-00 colours: Red, Green, Blue, White	1	0	1.5	2	75x47x9.8
LS-HLR-90-45 colours: Red, Green, Blue, White	4	45	6	8	90x46x21

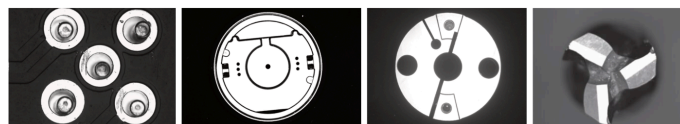
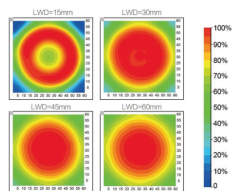
Model	LED rows	Angle (°)	Power R (W)	Power G/B/W (W)	OD x ID x H (mm)
LS-HLR-90-70 colours: Red, Green, Blue, White	4	70	8	8	90x50x20
LS-HLR-90-80 colours: Red, Green, Blue, White	6	80	9	12.5	90x30x20
LS-HLR-90-15 colours: Red, Green, Blue, White	2	15	4	6	90x52x20.6
LS-HLR-100-75 colours: Red, Green, Blue, White	4	75	9	9.5	100x55x17
LS-HLR-100-90 colours: Red, Green, Blue, White	5	90	9	10	100x40x18
LS-HLR-96-00 colours: Red, Green, Blue, White	1	0	2	3.5	96x68x10
LS-HLR-100-30 colours: Red, Green, Blue, White	3	30	6	7.5	100x70x22
LS-HLR-110-60 colours: Red, Green, Blue, White	5	60	10.5	13	110x60x25
LS-HLR-114-80 colours: Red, Green, Blue, White	9	80	11	14.5	114x30x20
LS-HLR-120-45 colours: Red, Green, Blue, White	4	45	13	16	120x80x18
LS-HLR-120-50 colours: Red, Green, Blue, White	4	50	13	16	120x60x31.5
LS-HLR-120-75 colours: Red, Green, Blue, White	5	75	13	16	120x65x17
LS-HLR-120-90 colours: Red, Green, Blue, White	6	90	13	16	120x76x18
LS-HLR-120-30 colours: Red, Green, Blue, White	3	30	8.5	10	120x88x22
LS-HLR-132-15 colours: Red, Green, Blue, White	3	15	8.5	12	132x96x22
LS-HLR-140-70 colours: Red, Green, Blue, White	5	70	13.5	18	140x85x20
LS-HLR-150-90 colours: Red, Green, Blue, White	9	90	15	22	150x70x22
LS-HLR-146-00 colours: Red, Green, Blue, White	1	0	3	4.5	146x118x9.8

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LS-HLR-150-30 colours: Red, Green, Blue, White	4	30	16	18.5	150x120x22
LS-HLR-164-70 colours: Red, Green, Blue, White	5	70	18	23	164x105x20
LS-HLR-180-60 colours: Red, Green, Blue, White	5	60	20	26	180x126x21
LS-HLR-180-80 colours: Red, Green, Blue, White	8	80	20	26	180x100x20
LS-HLR-176-00 colours: Red, Green, Blue, White	1	0	4	6	176x148x9.8
LS-HLR-180-30 colours: Red, Green, Blue, White	5	30	18	22	180x132x29
LS-HLR-210-60 colours: Red, Green, Blue, White	7	60	25	31	210x145x25
LS-HLR-206-00 colours: Red, Green, Blue, White	1	0	5	8	206x178x9.8
LS-HLR-208-25 colours: Red, Green, Blue, White	3	25	13.5	18.5	208x182x22

Dimensions



Performance



Solder joint defects
on circuit boards

Plastic part positioning

Metal part round
hole dia dimension

Tool damage inspection

