

Ring light with diffuser (2RND series)

LS-2RND series · Ring lights · 41 models

Ring light with a uniformity diffuser; light angle (between the light direction and the horizontal line) of 30, 45, 60 or 90 degrees, SMD and DIP LEDs.



Features

- Uniformity diffuser on every model
- Light angles 30, 45, 60 and 90 degrees
- SMD and DIP LED versions
- Three-colour RGB light source, diameter/ height, wavelength/ colour temperature, illumination angle, mounting and wire length customization

Applications

- Surface bumps, scratches and other defects detection
- Print character, mark, bar code, fingerprint image recognition
- Auto parts defect detection
- Nut defect detection

Colours

R	620-630 nm
G	520-530 nm
B	460-470 nm
W	6000-7500 K

Common specifications

Voltage	24 V DC
Operating environment (indoor)	temperature 0~40 °C, humidity 20~85% (non condensing)
Working life	white: 30000 hours, red: 30000 hours (the value varies according to the use environment)
Wire length	500 mm (drawing)
Power tolerance	actual product power within $\pm 10\%$ of the table is the normal range
Quality service	one year product warranty, technical support

Ordering code: LS-2RND<outer dia.><inner dia.>A<angle>--<R/G/B/W/IR/UV>

Models

Model	Angle (°)	Power SMD red (W)	Power SMD blue/white (W)	Power DIP red (W)	Power DIP blue/white (W)	Inner diameter (mm)	Outer diameter (mm)
LS-2RND6022A30 colours: R, B, W	30	2.7	2.9	1.6	1.2	22	60
LS-2RND7035A30 colours: R, B, W	30	4.0	4.8	1.6	2.8	35	70
LS-2RND8045A30 colours: R, B, W	30	4.3	5.3	2.2	3.1	45	80
LS-2RND9045A30 colours: R, B, W	30	5.8	6.9	3.1	5.0	45	90
LS-2RND10055A30 colours: R, B, W	30	5.8	6.9	3.7	5.9	55	100
LS-2RND12075A30 colours: R, B, W	30	8.6	9.5	4.7	7.2	75	120
LS-2RND150105A30 colours: R, B, W	30	11.5	12.7	6.2	10.0	105	150
LS-2RND180130A30 colours: R, B, W	30	17.3	19.0	10.3	15.9	130	180
LS-2RND200158A30 colours: R, B, W	30	19.4	23.8	11.3	18.8	158	200
LS-2RND250206A30 colours: R, B, W	30	25.9	28.5	14.1	22.5	206	250
LS-2RND5320A45 colours: R, B, W	45	2.7	2.9	1.2	1.9	20	53
LS-2RND6025A45 colours: R, B, W	45	3.4	3.8	1.6	2.2	25	60
LS-2RND7035A45 colours: R, B, W	45	4.0	3.4	1.9	2.8	35	70
LS-2RND8045A45 colours: R, B, W	45	5.0	5.8	2.2	3.4	45	80
LS-2RND9045A45 colours: R, B, W	45	7.2	6.9	3.4	5.3	45	90
LS-2RND10055A45 colours: R, B, W	45	9.4	9.0	3.7	5.9	55	100
LS-2RND12070A45 colours: R, B, W	45	13.0	14.8	6.2	9.7	70	120
LS-2RND150100A45 colours: R, B, W	45	15.8	19.0	8.1	13.1	100	150

LS-2RND180130A45 colours: R, B, W	45	15.1	23.8	10.3	15.9	130	180
LS-2RND200154A45 colours: R, B, W	45	19.4	23.8	10.3	16.9	154	200
LS-2RND250204A45 colours: R, B, W	45	25.9	29.6	13.8	22.5	204	250
LS-2RND6025A60 colours: R, B, W	60	2.7	2.9	1.6	2.2	25	60
LS-2RND7035A60 colours: R, B, W	60	4.0	4.8	1.9	2.8	35	70
LS-2RND8045A60 colours: R, B, W	60	4.3	5.3	2.2	3.1	45	80
LS-2RND9040A60 colours: R, B, W	60	7.2	7.9	3.1	5.0	40	90
LS-2RND10050A60 colours: R, B, W	60	7.9	8.4	3.7	5.6	50	100
LS-2RND12060A60 colours: R, B, W	60	11.5	13.2	5.9	9.0	60	120
LS-2RND15095A60 colours: R, B, W	60	13.0	18.0	8.1	12.5	95	150
LS-2RND180125A60 colours: R, B, W	60	17.3	23.2	10.0	15.6	125	180
LS-2RND208154A60 colours: R, B, W	60	21.6	25.3	11.3	17.5	154	208
LS-2RND250202A60 colours: R, B, W	60	23.0	25.3	13.8	22.5	202	250
LS-2RND6030A90 colours: R, B, W	90	1.9	2.9	1.2	2.2	30	60
LS-2RND7040A90 colours: R, B, W	90	2.4	3.4	1.9	2.8	40	70
LS-2RND8040A90 colours: R, B, W	90	3.8	5.8	2.8	4.4	40	80
LS-2RND9040A90 colours: R, B, W	90	5.3	8.2	4.1	6.6	40	90
LS-2RND10040A90 colours: R, B, W	90	7.2	11.5	5.3	8.4	40	100
LS-2RND12050A90 colours: R, B, W	90	8.6	13.4	6.9	10.6	50	120
LS-2RND15095A90 colours: R, B, W	90	10.6	16.3	7.8	12.2	95	150
LS-2RND180125A90 colours: R, B, W	90	13.0	20.6	9.7	15.3	125	180
LS-2RND200154A90 colours: R, B, W	90	13.4	21.1	11.3	17.5	154	200
LS-2RND250204A90 colours: R, B, W	90	17.3	26.9	15.0	22.5	204	250

More values per model (Thickness (mm), Voltage (V), LED SMD, LED DIP, Uniformity diffuser) are on each product page.

Dimensions

