

Ring Lights **OPT-RI Series**

Patented



Product Features

- Providing extreme bright, uniform and diffuse illumination with different emitting angles.
- Profile design with expanded heating dissipation area for improving heading design

Application Cases

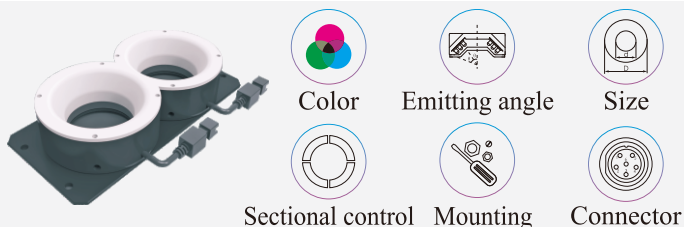
- PCB & plastic containers inspection
- Electronic components inspection; OCR for integrated circuits
- Microscope illumination; surface inspection

Selection Guide

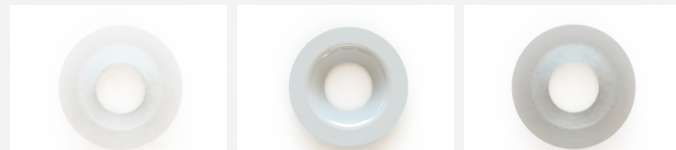
OPT-RI12000

- Emitting angle
- Outer diameter
- Ring light
- Brand name

Customizable Items



- Optional diffusers for uniform illumination

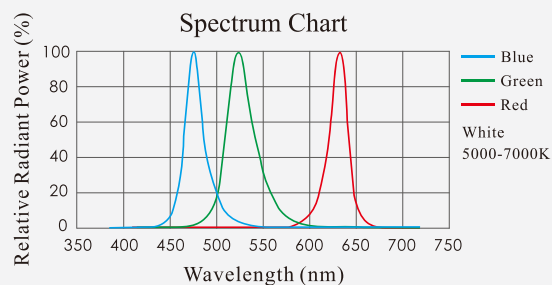
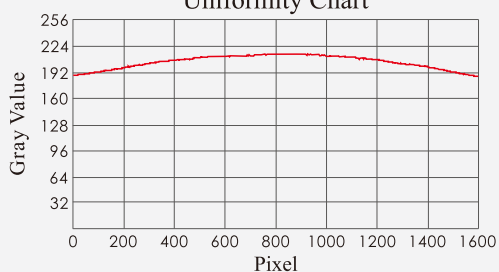


Transparent

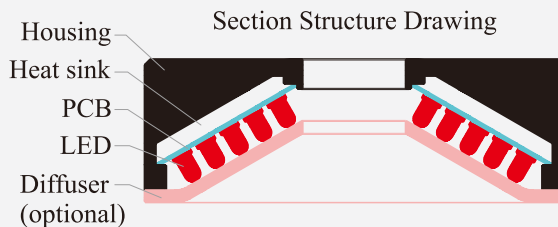
Uniform

Standard

Uniformity Chart

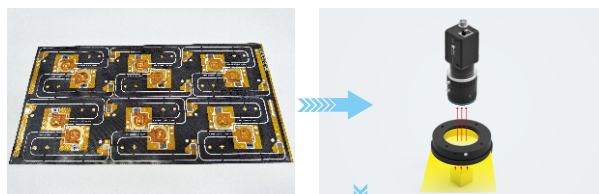


Note: The data is for reference only.



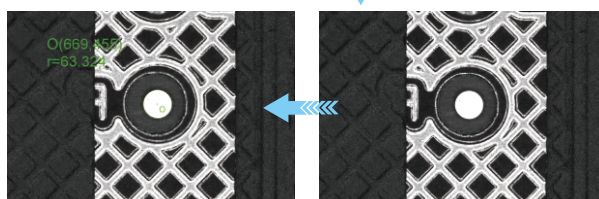
Application Example

- FPC mark positioning



Workpiece

Illumination



SciSmart Analysis Result

Image

Model Table

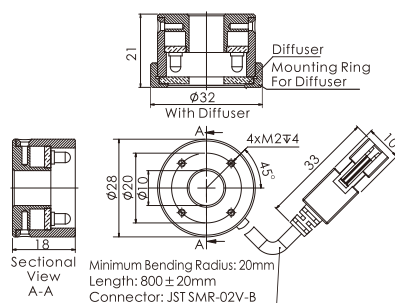
No.	Model	* Output 	* Output  	Emitting angle	Recommended controller
1	OPT-RI2800	24V/0.2W	24V/0.5W	0°	OPT-DPA1024E OPT-DPA2024E
2	OPT-RI3500	24V/0.7W	24V/1.4W		
3	OPT-RI5000	24V/0.7W	24V/1.9W		
4	OPT-RI7000	24V/1.4W	24V/3.2W		
5	OPT-RI9000	24V/3.5W	24V/6.2W		
6	OPT-RI12000	24V/3.4W	24V/8W		
7	OPT-RI15000	24V/7W	24V/18W		
8	OPT-RI5015	24V/1.4W	24V/3W	15°	
9	OPT-RI6915	24V/2.7W	24V/3.8W		
10	OPT-RI9215	24V/2.1W	24V/4.7W		
11	OPT-RI10015	24V/4.4W	24V/7.6W		
12	OPT-RI3220	24V/0.7W	24V/0.8W	20°	
13	OPT-RI2825	24V/0.2W	24V/0.5W	25°	
14	OPT-RI4225	24V/0.4W	24V/1.2W		
15	OPT-RI5030	24V/0.6W	24V/1.7W	30°	
16	OPT-RI7030	24V/1.3W	24V/3.1W		
17	OPT-RI9030	24V/2.3W	24V/5.3W		
18	OPT-RI12030	24V/3.8W	24V/11W		
19	OPT-RI15030	24V/4.3W	24V/10W		
20	OPT-RI18030	24V/10W	24V/18.5W		
21	OPT-RI5045	24V/0.9W	24V/2.3W	45°	

No.	Model	* Output 	* Output  	Emitting angle	Recommended controller
22	OPT-RI7045	24V/1.5W	24V/4.2W	45°	OPT-DPA1024E OPT-DPA2024E
23	OPT-RI9045	24V/1.9W	24V/4.8W		
24	OPT-RI12045	24V/3.5W	24V/8W		
25	OPT-RI15045	24V/4.6W	24V/11.3W		
26	OPT-RI7060	24V/1.6W	24V/3.8W	60°	
27	OPT-RI9060	24V/1.9W	24V/4.8W		
28	OPT-RI12060	24V/4W	24V/10.4W		
29	OPT-RI15060	24V/4.4W	24V/11W		
30	OPT-RI18060	24V/5.5W	24V/13W	70°	
31	OPT-RI27270	24V/3.6W	24V/6.8W		
32	OPT-RI5080	24V/1.2W	24V/1.6W	80°	
33	OPT-RI10080	24V/1.7W	24V/3.9W		
34	OPT-RI12080	24V/5.3W	24V/8.1W		
35	OPT-RI27280	24V/6W	24V/11W	90°	
36	OPT-RI5090	24V/0.5W	24V/0.8W		
37	OPT-RI7090	24V/0.4W	24V/1.3W		
38	OPT-RI9090	24V/0.8W	24V/1.3W		
39	OPT-RI12090	24V/1.8W	24V/2.2W		
40	OPT-RI15090	24V/2W	24V/2.9W		
41	OPT-RI18090	24V/1.4W	24V/3.2W		

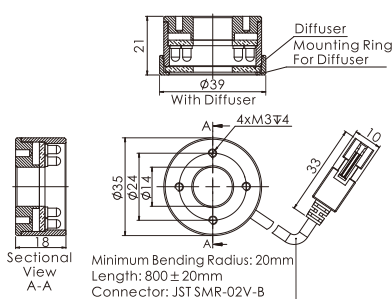
* Note: The data is for reference only.

Dimensions (mm)

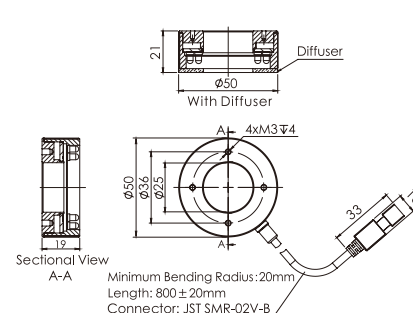
1.OPT-RI2800



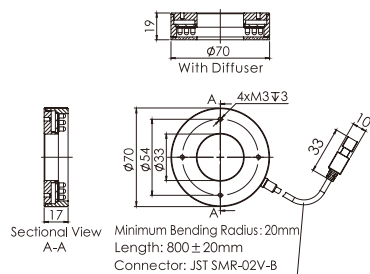
2.OPT-RI3500



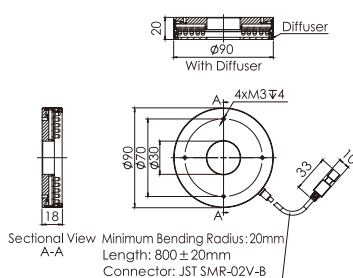
3.OPT-RI5000



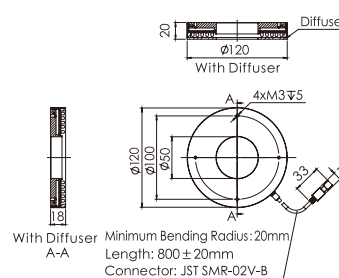
4.OPT-RI7000



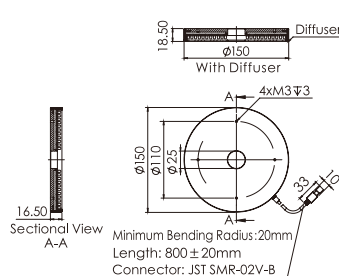
5.OPT-RI9000



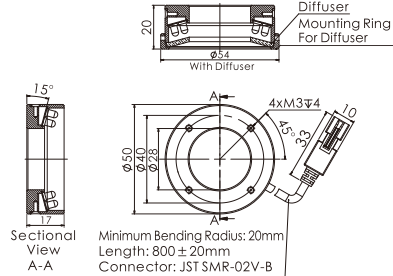
6.OPT-RI12000



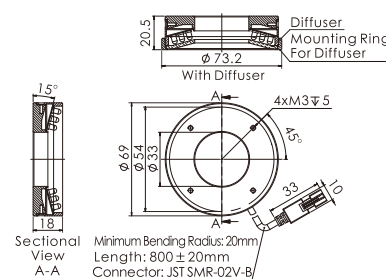
7.OPT-RI15000



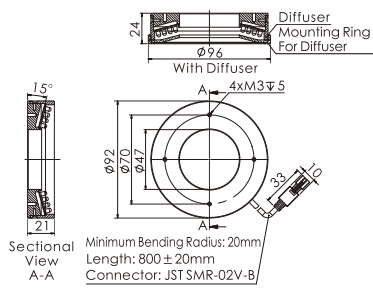
8.OPT-RI5015



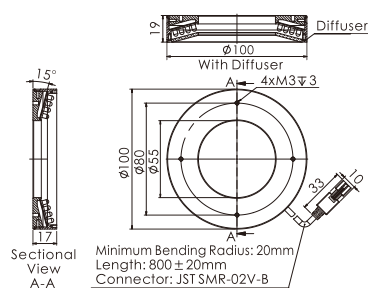
9.OPT-RI6915



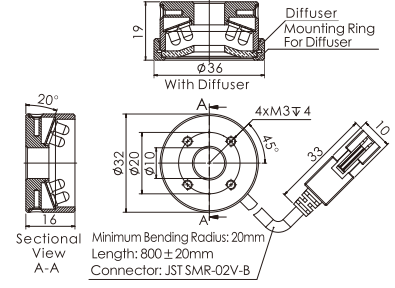
10.OPT-RI9215



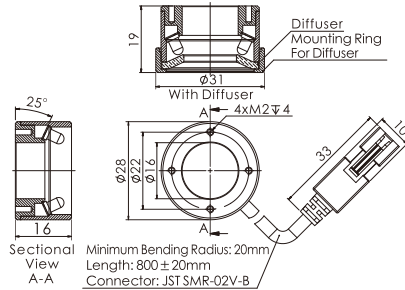
11.OPT-RI10015



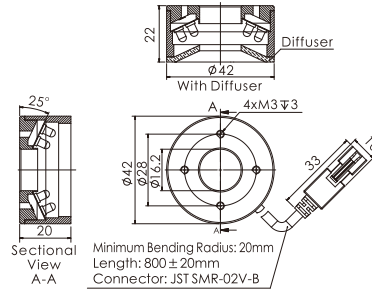
12.OPT-RI3220



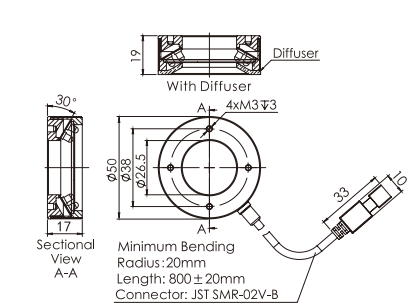
13.OPT-RI2825



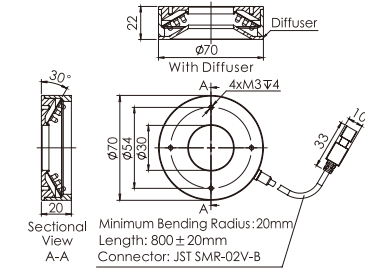
14.OPT-RI4225



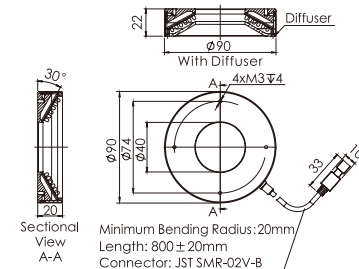
15.OPT-RI5030



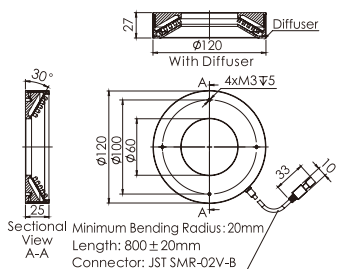
16.OPT-RI7030



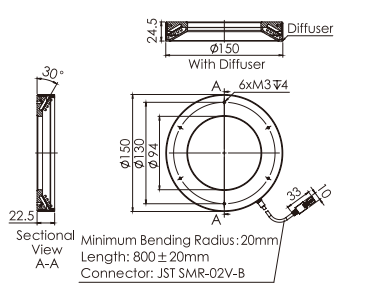
17.OPT-RI9030



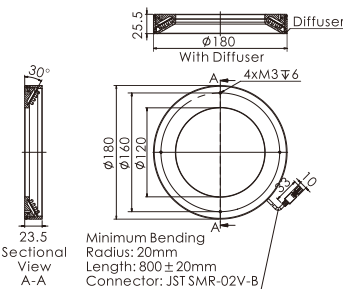
18.OPT-RI12030



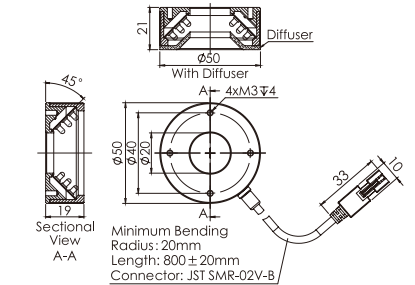
19.OPT-RI15030



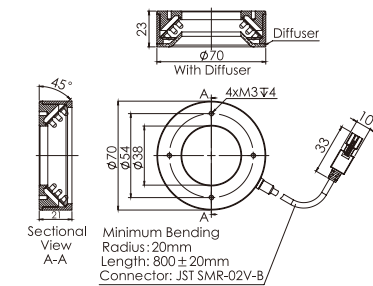
20.OPT-RI18030



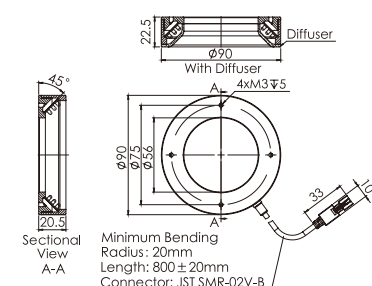
21.OPT-RI5045



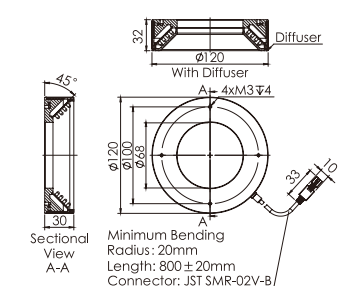
22.OPT-RI7045



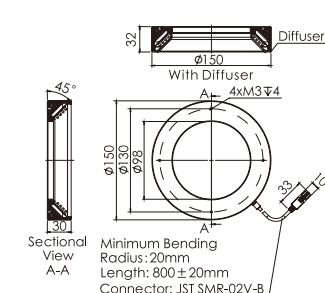
23.OPT-RI9045



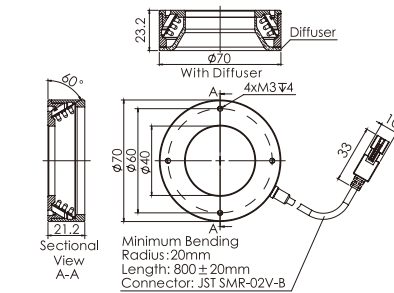
24.OPT-RI12045



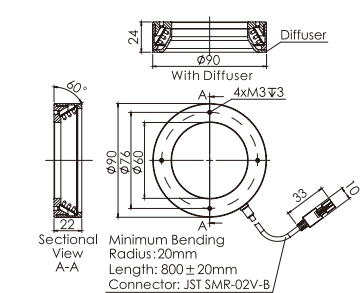
25.OPT-RI15045



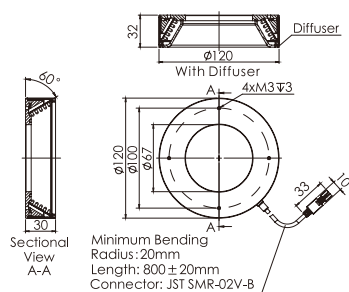
26.OPT-RI7060



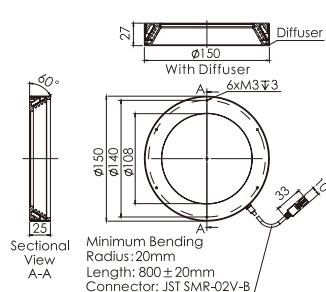
27.OPT-RI9060



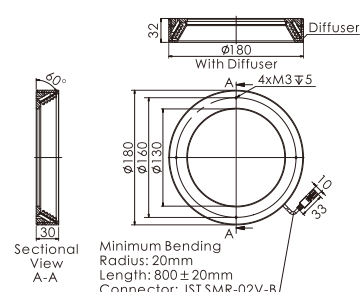
28.OPT-RI12060



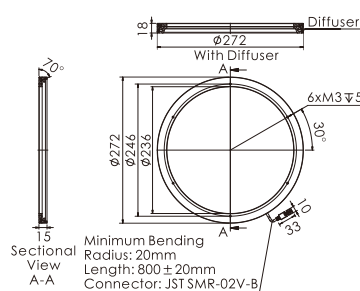
29.OPT-RI15060



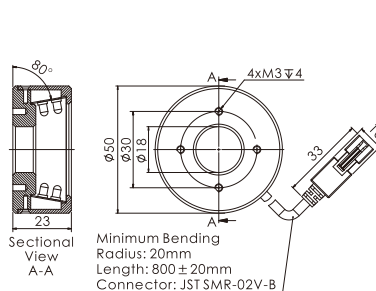
30.OPT-RI18060



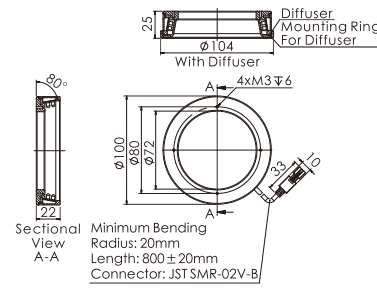
31.OPT-RI27270



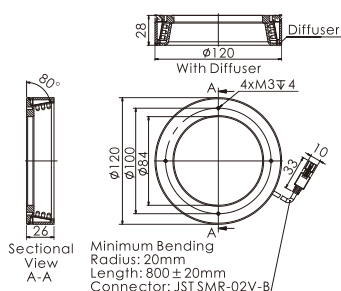
32.OPT-RI5080



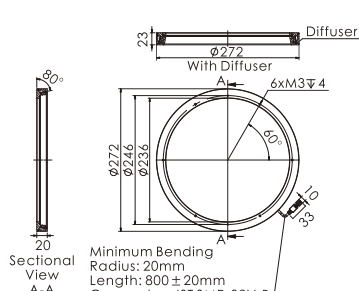
33.OPT-RI10080



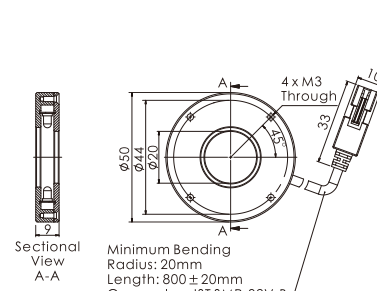
34.OPT-RI12080



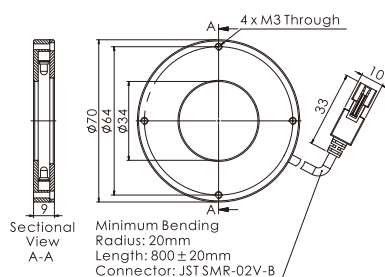
35.OPT-RI27280



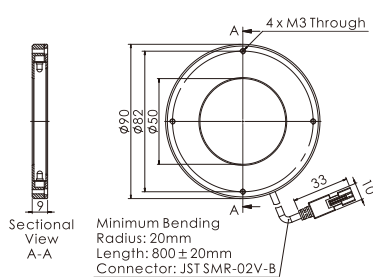
36.OPT-RI5090



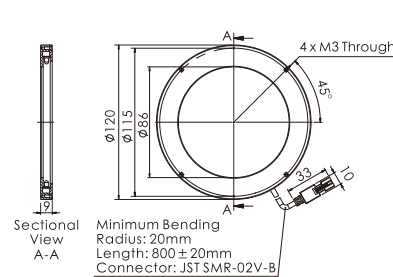
37.OPT-RI7090



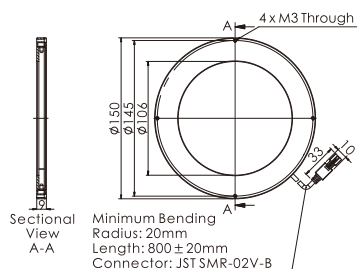
38.OPT-RI9090



39.OPT-RI12090



40.OPT-RI15090



41.OPT-RI18090

