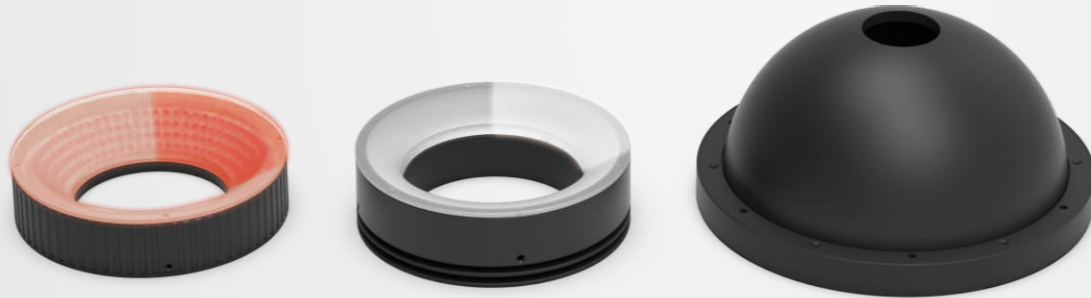


Zone Lighting Source **OPT-MS Series NEW**



Product Features

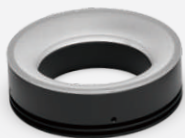
Main Features

- Light source divided into four illuminated areas, each area is controlled independently.
- Covering a variety of types of ring light sources.

Application Cases

- Directional scratch detection
- Detection of characters with PCB board irregularities
- Detection of curved surface defects in batteries

Customizable Items



Color



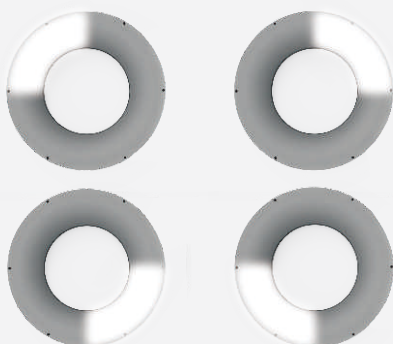
Size



Emissive area

Series Features

Sectional control



MSRI, MSRIIP, and MSRIIDD are divided into 4 equal emitting areas, each can be illuminated individually or combined.

Application Cases

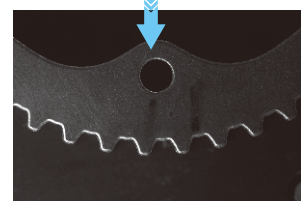
- Detection of gear pits and scratches.



Workpiece



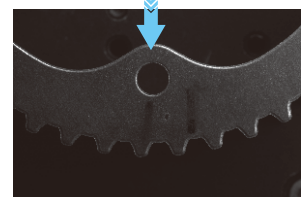
Illumination



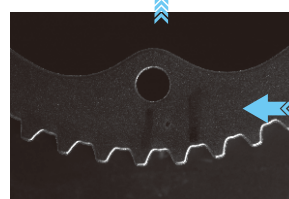
Image



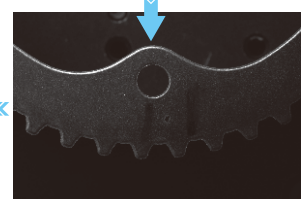
Smart3 Analysis Result



Image



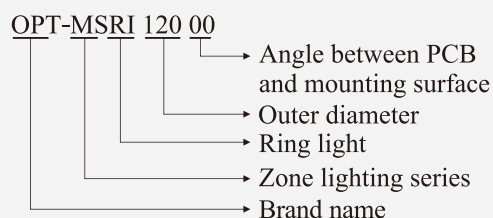
Image



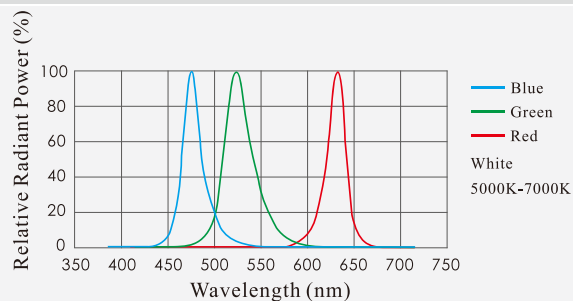
Image

OPT-MSRI Partitioned Light Source

Selection Guide



Spectrum Chart



Note: The data is for reference only.

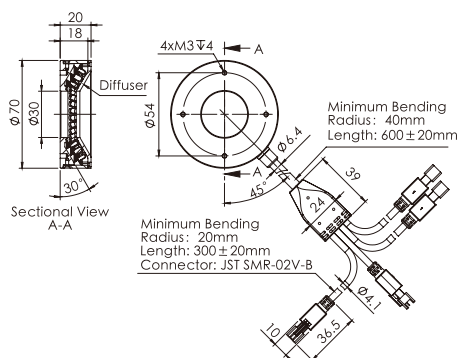
Model Table

No.	Model	* Power 	* Power 	* Power 	* Power 	Angle between the light ray and the central axis	Recommended controller
1	OPT-MSRI7030	5.7W@24V	6.7W@24V	4.8W@24V	4.6W@24V	30°	OPT-DPA2024E
2	OPT-MSRI9030	7.3W@24V	5.7W@24V	7W@24V	6.7W@24		
3	OPT-MSRI12030	13.4W@24V	9.3W@24V	12.8W@24V	12.5W@24V		
4	OPT-MSRI15030	15W@24V	10.3W@24V	16.8W@24V	15.3W@24V		

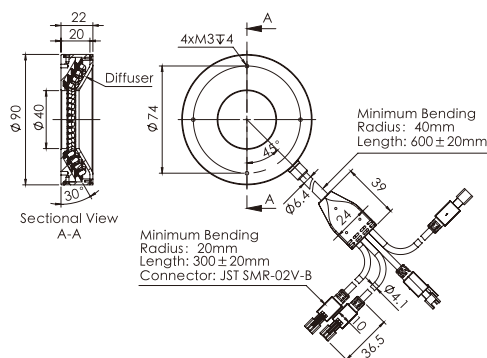
Note: Data provided for reference only, actual values may vary. Rated power refers to the total power consumption of the light source.

Dimensions (mm)

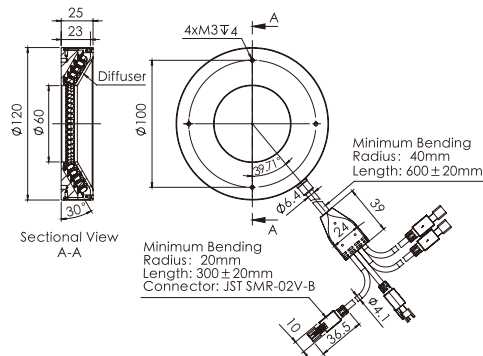
1. OPT-MSRI7030



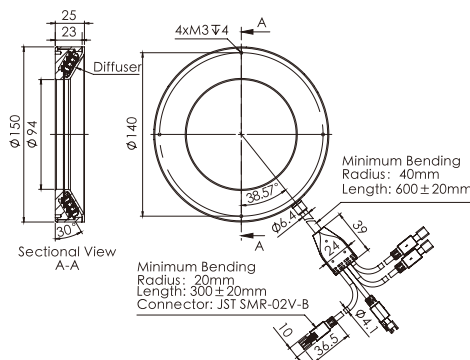
2. OPT-MSRI9030



3. OPT-MSRI12030



4. OPT-MSRI15030



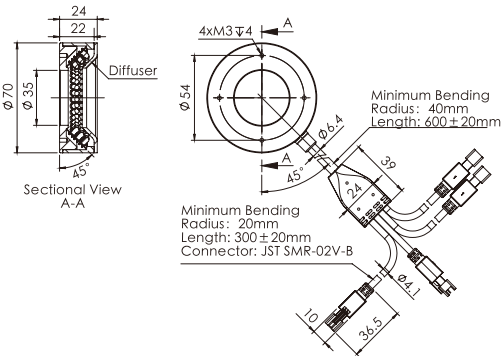
Model Table

No.	Model	* Power ○	* Power ●	* Power ●	* Power ●	Angle between the light ray and the central axis	Recommended controller
1	OPT-MSRI7045	4.8W@24V	3W@24V	4.7W@24V	4.7W@24V	45°	OPT-DPA2024E
2	OPT-MSRI9045	7.2W@24V	4.7W@24V	7.7W@24V	6.9W@24		
3	OPT-MSRII2045	11.1W@24V	8W@24V	13.4W@24V	12.2W@24V		
4	OPT-MSRII5045	15.8W@24V	11.8W@24V	18W@24V	17.1W@24		

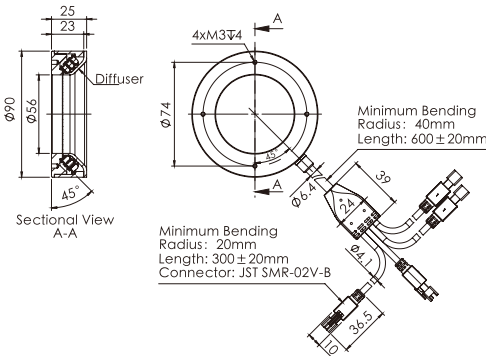
Note: Data provided for reference only, actual values may vary. Rated power refers to the total power consumption of the light source.

Dimensions (mm)

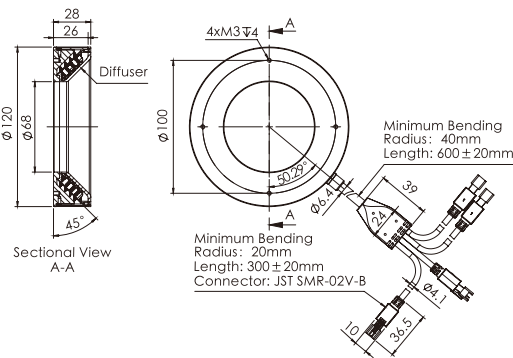
1. OPT-MSRI7045



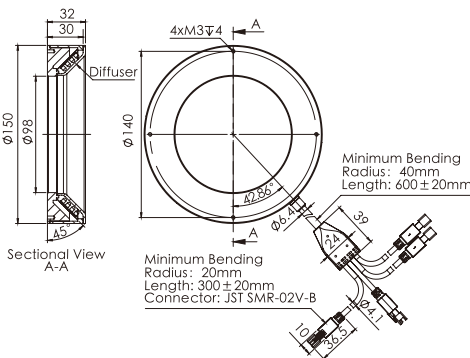
2. OPT-MSRI9045



3. OPT-MSRII2045



4. OPT-MSRII5045



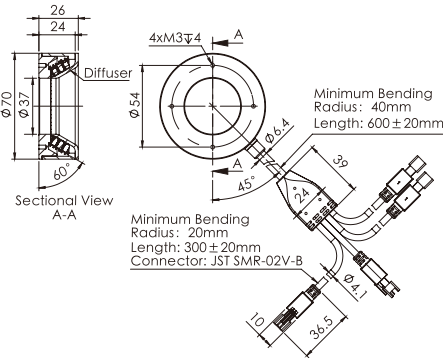
Model Table

No.	Model	* Power ○	* Power ●	* Power ●	* Power ●	Angle between the light ray and the central axis	Recommended controller
1	OPT-MSRI7060	4.7W@24V	2.8W@24V	4.8W@24V	4.7W@24V	60°	OPT-DPA2024E
2	OPT-MSRI9060	6.1W@24V	4W@24V	7.3W@24V	6.9W@24		
3	OPT-MSRII2060	11.4W@24V	9.6W@24V	13.4W@24V	12.2W@24V		
4	OPT-MSRII5060	16W@24V	11.3W@24V	17.3W@24V	17.1W@24V		

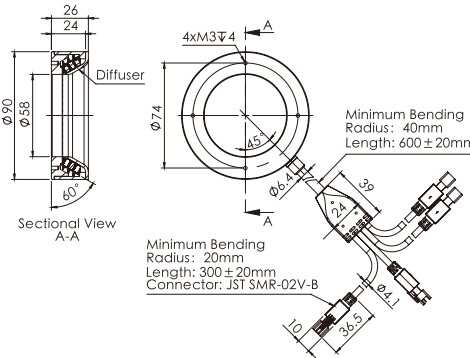
Note: Data provided for reference only, actual values may vary. Rated power refers to the total power consumption of the light source.

Dimensions (mm)

1. OPT-MSRI7060

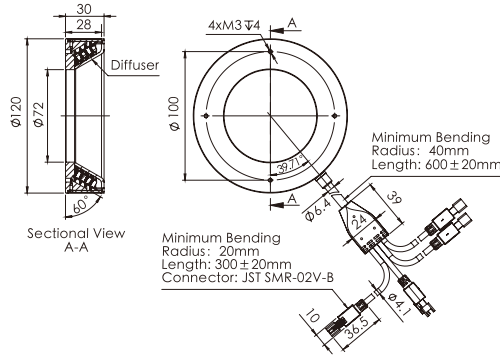


2. OPT-MSRI9060

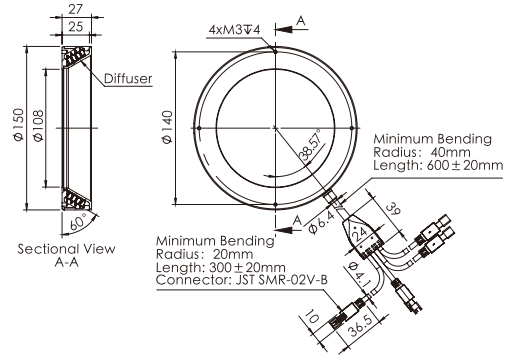


Dimensions (mm)

3.OPT-MSRI12060



4.OPT-MSRI15060



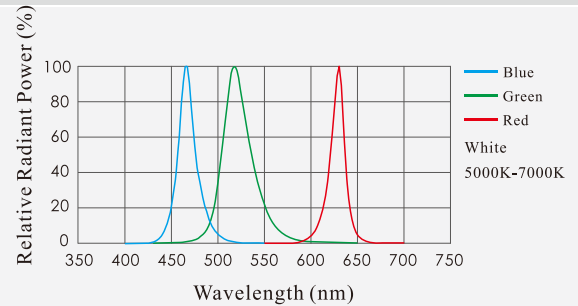
OPT-MSRIP Partitioned Light Source

Selection Guide

OPT-MSRIP 120

- Outer diameter
- Bright uniform ring light
- Zone lighting series
- Brand name

Spectrum Chart



Note: The data is for reference only.

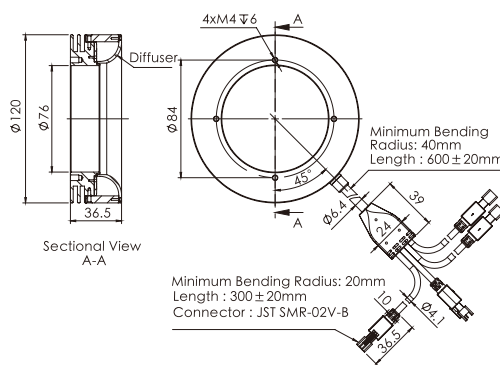
Model Table

No.	Model	* Power ○	* Power ●	* Power ●	* Power ●	Recommended controller
1	OPT-MSRIP120	17.2W@24V	9.3W@24V	15.3W@24V	10.9W@24V	OPT-DPA2024E
2	OPT-MSRIP170	21.7W@24V	17.2W@24V	23.5W@24V	19.4W@24V	
3	OPT-MSRIP230	29.5W@24V	22.2W@24V	29.2W@24V	23.7W@24V	

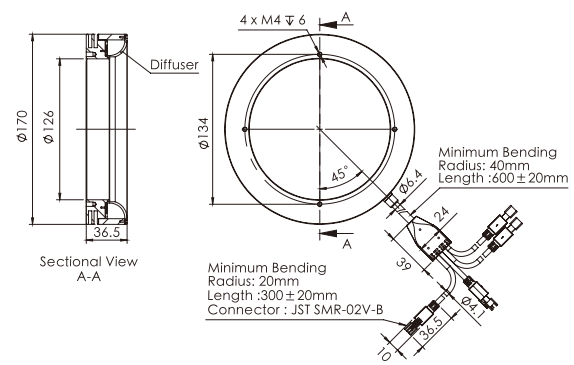
Note: Data provided for reference only, actual values may vary. Rated power refers to the total power consumption of the light source.

Dimensions (mm)

1.OPT-MSRIP120

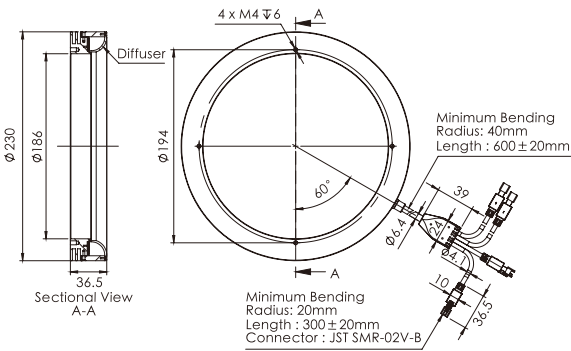


2.OPT-MSRIP0170



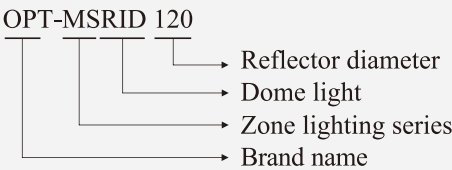
Dimensions (mm)

3.OPT-MSRIP230

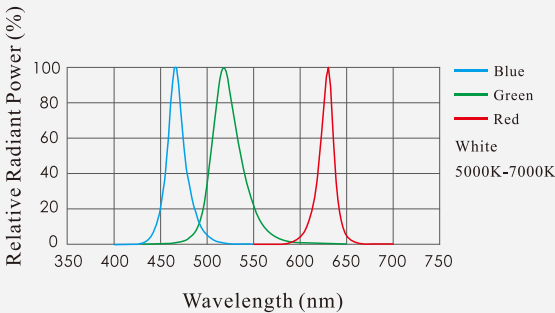


OPT-MSRID Partitioned Light Source

Selection Guide



Spectrum Chart



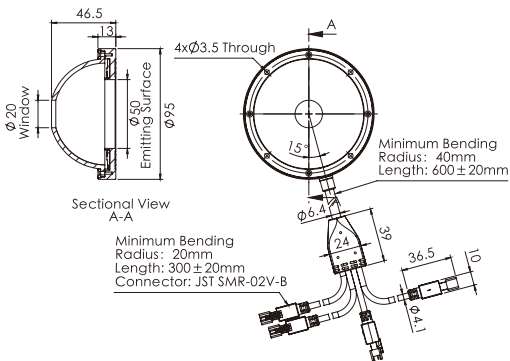
Model Table

No.	Model	* Power ○	* Power ●	* Power ●	* Power ●	Recommended controller
1	OPT-MSRID80	9.2W@24V	9.2W@24V	5.1W@24V	7.7W@24V	OPT-DPA2024E
2	OPT-MSRID100	9W@24V	8.6W@24V	8.8W@24V	7.4W@24V	
3	OPT-MSRID150	15.4W@24V	16.3W@24V	14.4W@24V	12.8W@24V	
4	OPT-MSRID180	19.8W@24V	18.4W@24V	21.5W@24V	19.2W@24V	
5	OPT-MSRID240	28W@24V	25.2W@24V	29.8W@24V	19.7W@24V	
6	OPT-MSRID350	62.4W@24V	49.5W@24V	54.9W@24V	54.9W@24V	

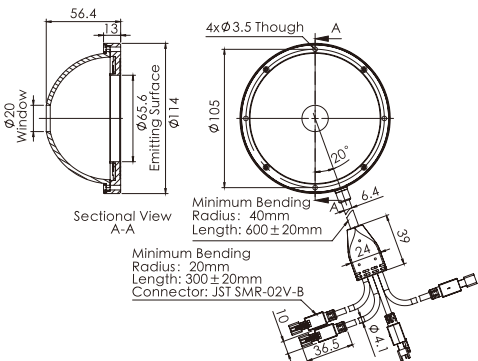
Note: Data provided for reference only, actual values may vary. Rated power refers to the total power consumption of the light source.

Dimensions (mm)

1.OPT-MSRID80

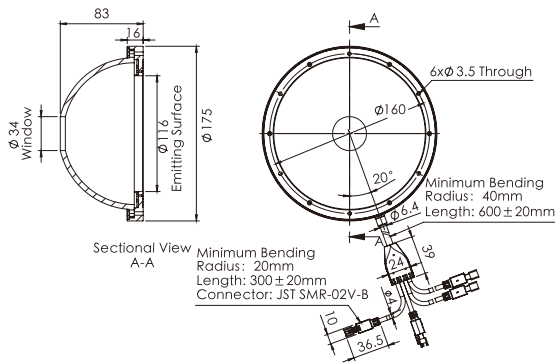


2.OPT-MSRID100

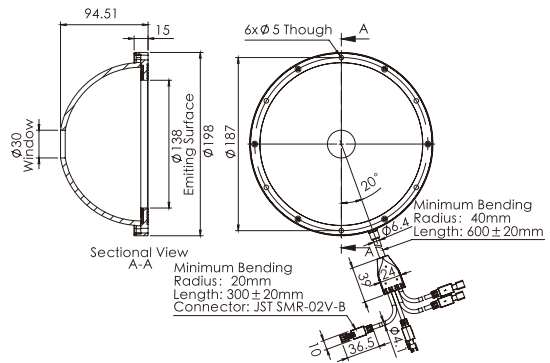


Dimensions (mm)

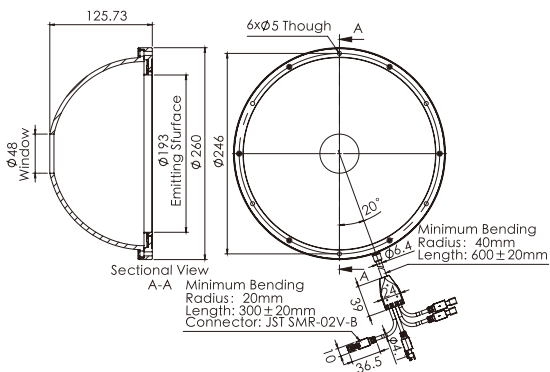
3.OPT-MSRID150



4.OPT-MSRID180



5.OPT-MSRID240



6.OPT-MSRID350

