

Diffuse Dark Field Ring Lights **OPT-RIF series**



Product Features

- Suitable for large round and small irregular objects
- Higher uniformity compared with OPT-RI series ring lights
- Providing uniform and shadowless illumination
- Suitable for multiple applications at different working distances

Application Cases

- Surface defects detection
- Recognition of characters, logos, barcodes and fingerprints

Selection Guide

OPT-RIF88

- Outer diameter
- Diffuse dark field ring light
- Brand name

Spectrum Chart

Note: The data is for reference only.

Section Structure Drawing

Customizable Items

- Color
- Mounting
- Size

Uniformity Chart

Note: The data is for reference only.

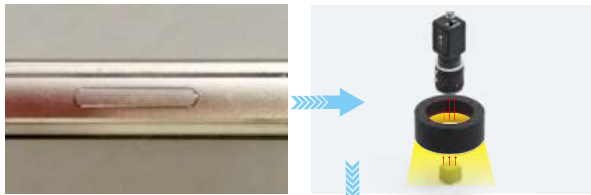
Application Example

- Dual camera positioning

Workpiece → Illumination → Image → SciSmart Analysis Result

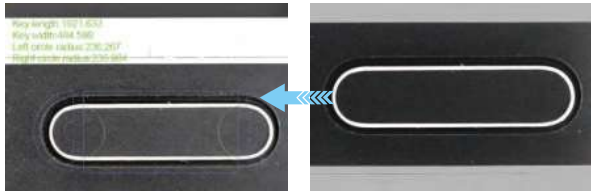
Application Examples

■ Gauging for mobile phone keys



Workpiece

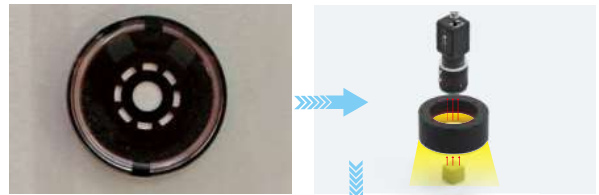
Illumination



SciSmart Analysis Result

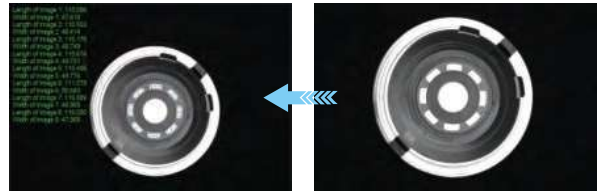
Image

■ Gauging for glass parts



Workpiece

Illumination



SciSmart Analysis Result

Image

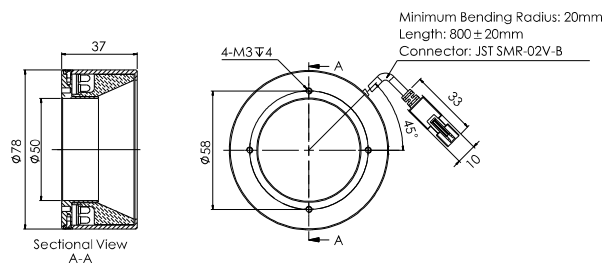
Model Table

No.	Model	* Output ●	* Output ○●●	Recommended controller
1	OPT-RIF78	24V/1.7W	24V/3.6W	OPT-DPA1024E OPT-DPA2024E
2	OPT-RIF88	24V/2.6W	24V/4.1W	
3	OPT-RIF130	24V/3.3W	24V/6.4W	
4	OPT-RIF160	24V/5.8W	24V/7.9W	

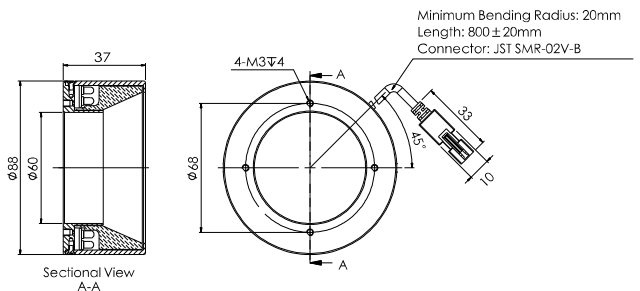
* Note: The data is for reference only.

Dimensions (mm)

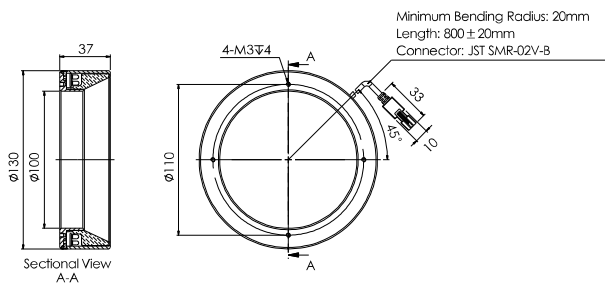
1.OPT-RIF78



2.OPT-RIF88



3.OPT-RIF130



4.OPT-RIF160

