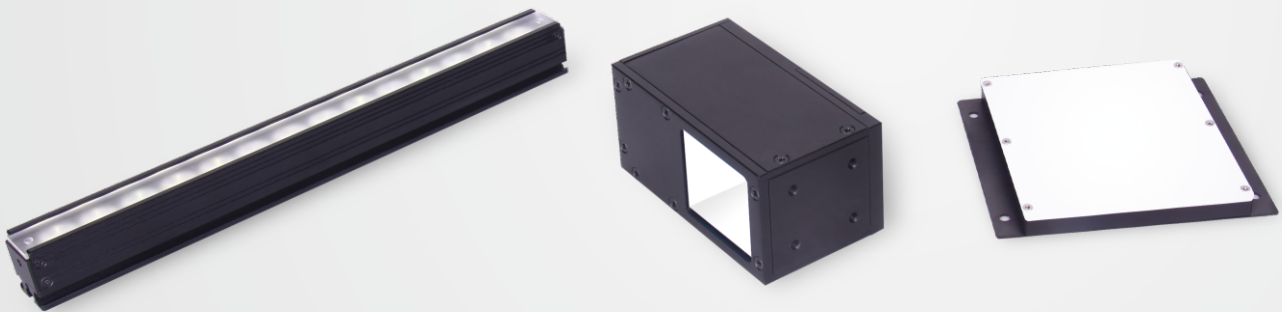


Multi-colored Lights

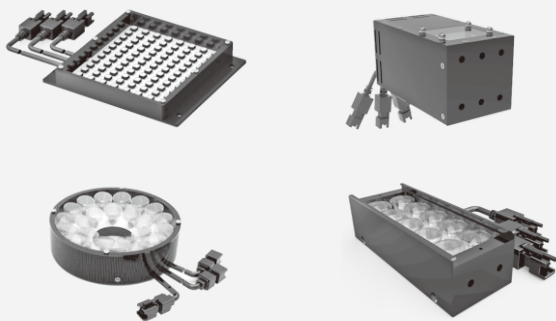
OPT-RGB Series

Patented



Product Features

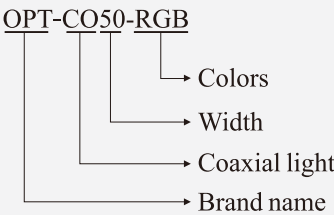
- Red, green and more color.
- Can be combined to inspect workpieces with various colors
- RI and LI series multi-colored lights are equipped with special 45-degree cylinder lenses to provide more uniform and focused illumination.
- The lights with different colors can be used individually or simultaneously.



Application Cases

- Inspection of highly reflective surfaces
- Chip and silicon wafer inspection
- Mark positioning
- Barcode reading
- Laser marking character recognition and QR code reading

Selection Guide



Customizable Items

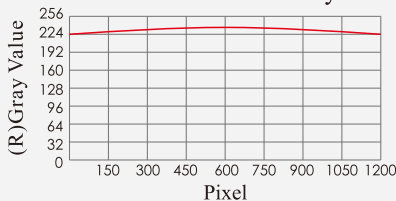


Size

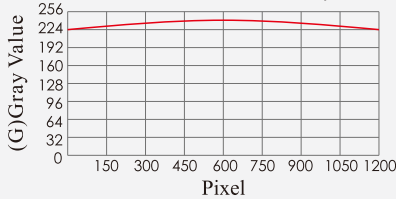


Mounting

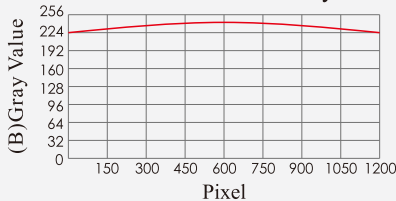
OPT-FL9090-R Uniformity Chart



OPT-FL9090-G Uniformity Chart



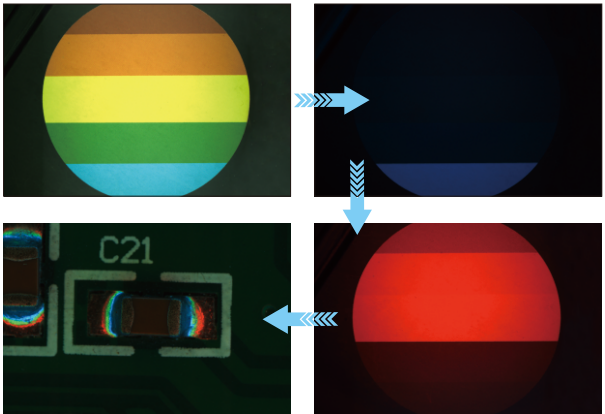
OPT-FL9090-B Uniformity Chart

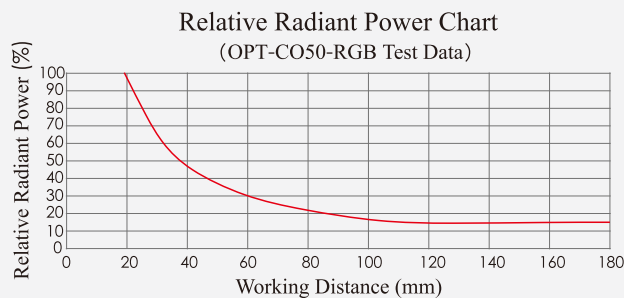


Note: A CCD camera is used together with the light source for the sampling of the grey values; the charts show the average grey values in the horizontal direction. The data is for reference only.

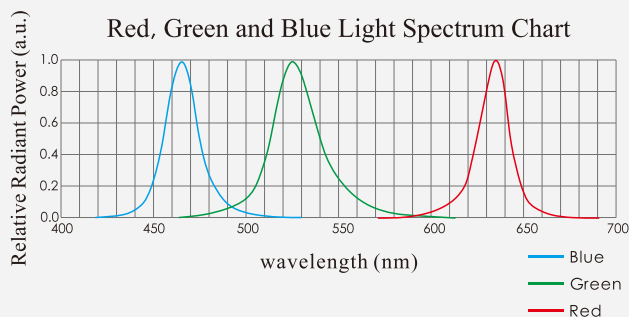
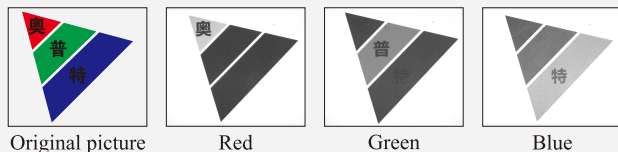
Application Example

- Color filtering and enhancement

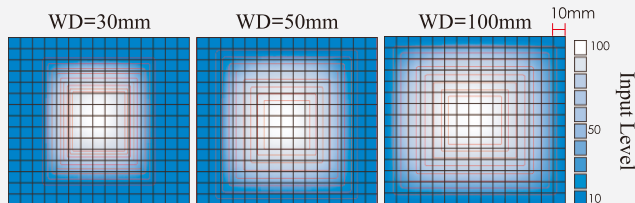




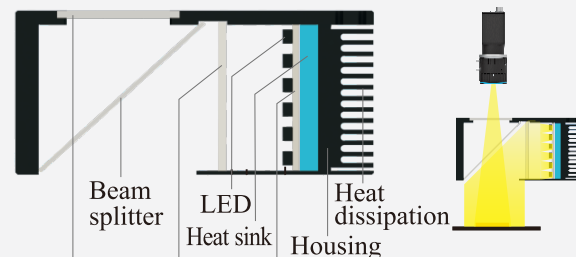
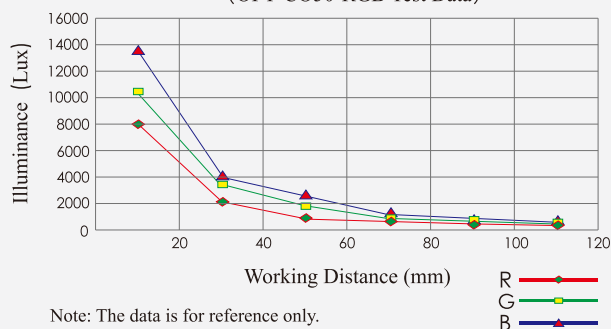
Flexibly used to inspect workpieces of various colors



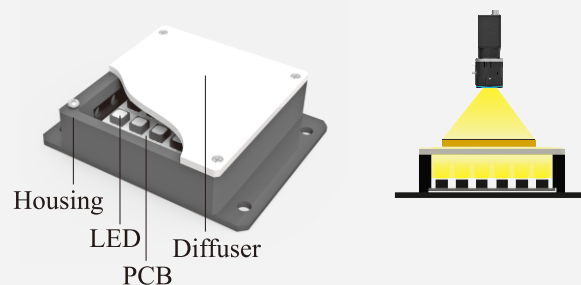
OPT-CO50-RGB Uniformity Chart



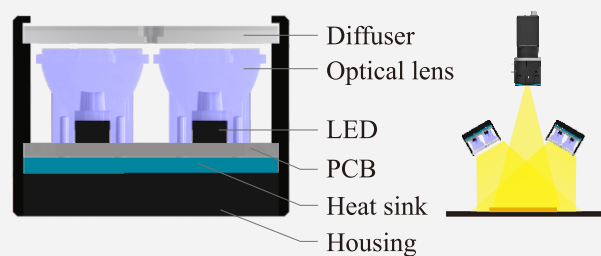
Intensity Comparison at Different Working Distances
(OPT-CO50-RGB Test Data)



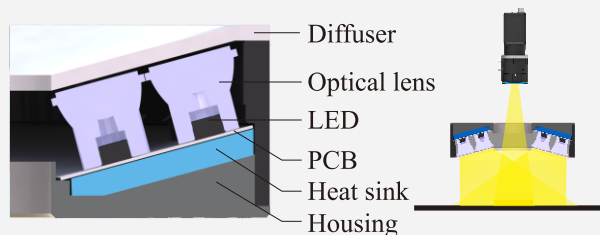
RGB Coaxial Light Section Structure and Illumination



RGB Bottom Backlight Section Structure and Illumination



RGB Bar Light Section Structure and Illumination



RGB Ring Light Section Structure and Illumination

Model Table

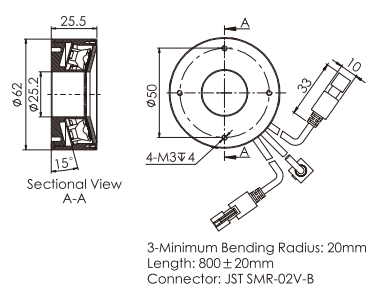
Series	No.	Model	*Output●	*Output●	*Output●	Controller
RI	1	OPT-RI6215-RGB	24V/0.6W	24V/1.1W	24V/1.1W	OPT-DPA1024E OPT-DPA2024E
	2	OPT-RI8515-RGB	24V/1.5W	24V/2.5W	24V/2.7W	
FL	3	OPT-FL5050-RGB	24V/1.2W	24V/1.9W	24V/2.3W	
	4	OPT-FL9090-RGB	24V/4.5W	24V/6.7W	24V/7.4W	
	5	OPT-FL130130-RGB	24V/6.1W	24V/12.0W	24V/14.6W	

Series	No.	Model	*Output●	*Output●	*Output●	Controller
LI	6	OPT-LI8332-RGB	24V/0.6W	24V/0.9W	24V/1.1W	OPT-DPA1024E OPT-DPA2024E
	7	OPT-LI15320-RGB	24V/0.6W	24V/1.1W	24V/1.1W	
	8	OPT-LI22332-RGB	24V/1.7W	24V/3.1W	24V/3.3W	
CO	9	OPT-CO50-RGB	24V/1.7W	24V/3.0W	24V/3.3W	OPT-DPA1024E OPT-DPA2024E
	10	OPT-CO80-RGB	24V/5.1W	24V/6.6W	24V/7.8W	

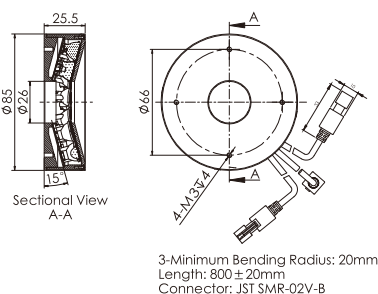
* Note: The data is for reference only.

Dimensions (mm)

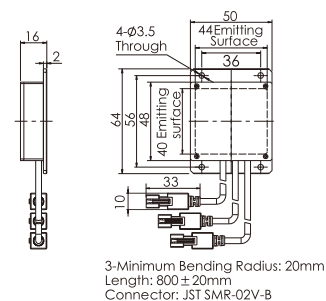
1.OPT-RI6215-RGB



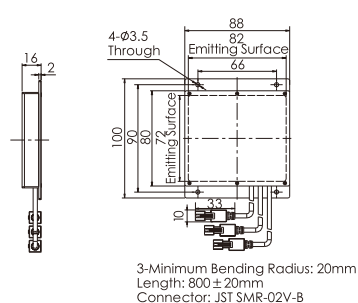
2.OPT-RI8515-RGB



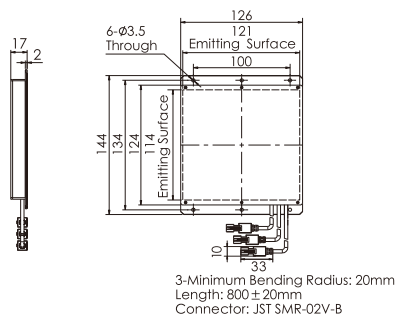
3.OPT-FL5050-RGB



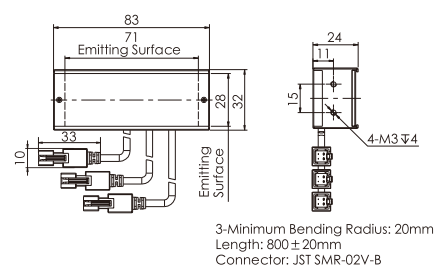
4.OPT-FL9090-RGB



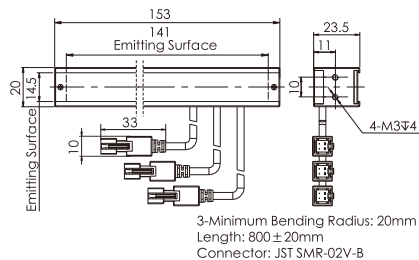
5.OPT-FL130130-RGB



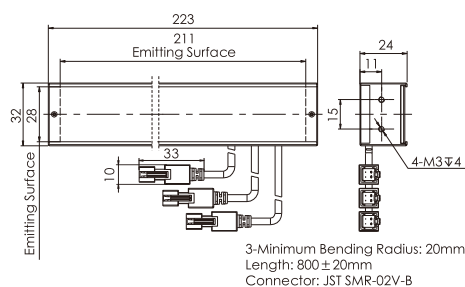
6.OPT-LI8332-RGB



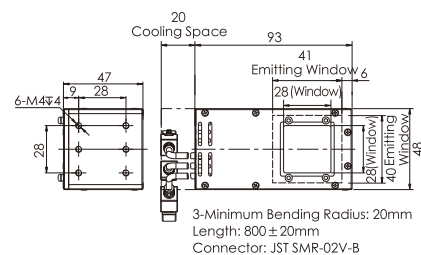
7.OPT-LI15320-RGB



8.OPT-LI22332-RGB



9.OPT-CO50-RGB



10.OPT-CO80-RGB

