

Coaxial Lights **OPT-CO Series NEW**



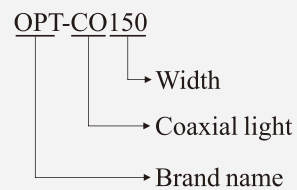
Product Features

- Excellent directional emitting light suitable for long work distance, enhancing the image feature
- The high density LED arrays and special heat dissipation design ensure the illumination intensity and long lifespan.
- Against highly reflected surface, highlight the surface unevenness

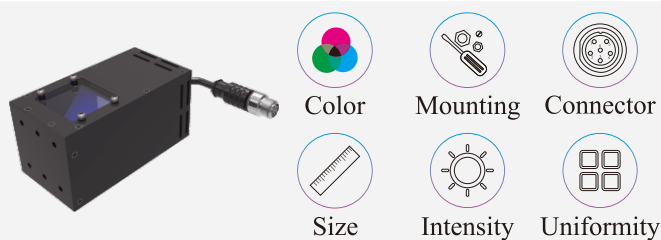
Application Cases

- Scratches detection on highly reflective surfaces
- Defects detection for chips and silicon wafers
- Mark positioning
- Barcode reading
- Recognition of laser-marked characters; 2D codes reading

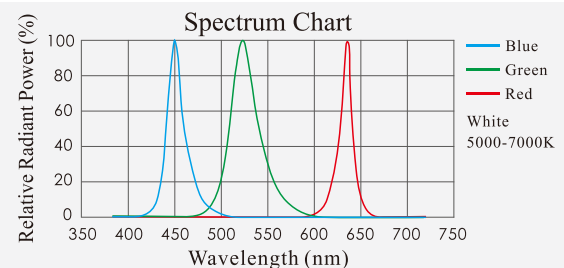
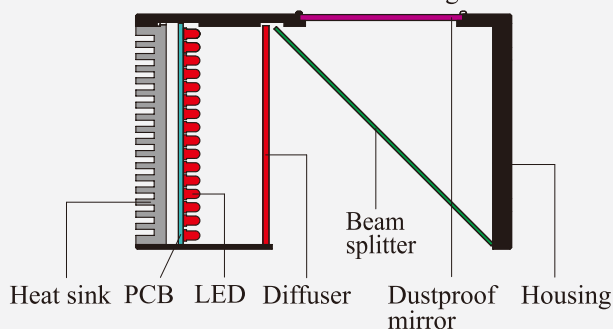
Selection Guide



Customizable Items

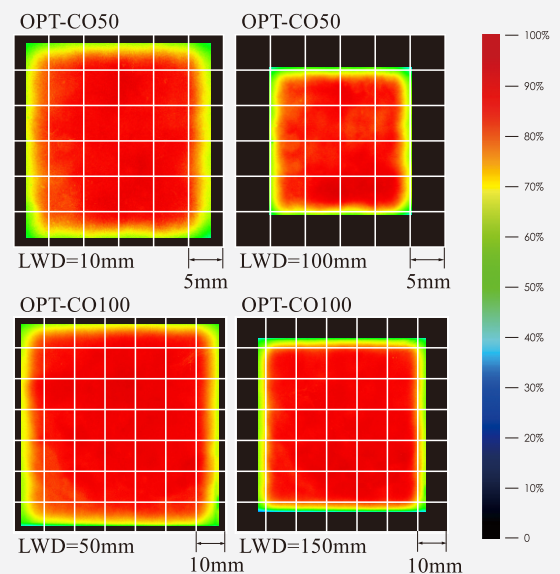


Section Structure Drawing



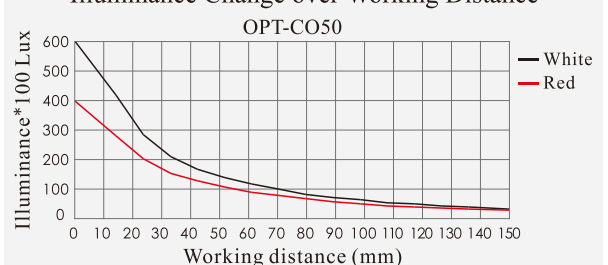
Note: The data is for reference only.

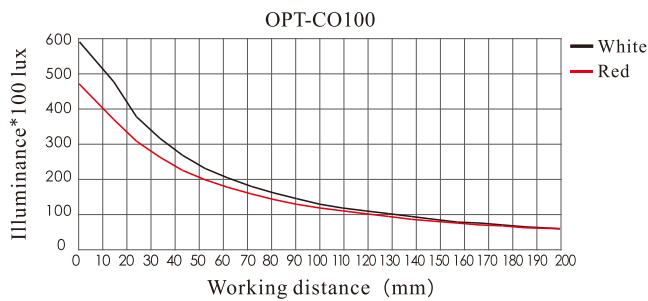
Relative Radiant Power Distribution



Note: The data is for reference only.

Illuminance Change over Working Distance

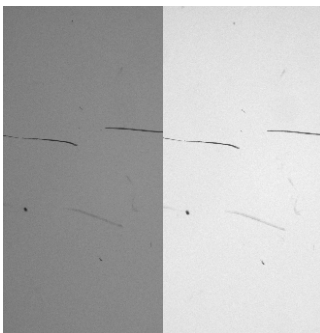




Note: The data is for reference only.

Intensity and Direction Upgrade

Intensity comparison



Direction comparison



Previous and new version of CO70

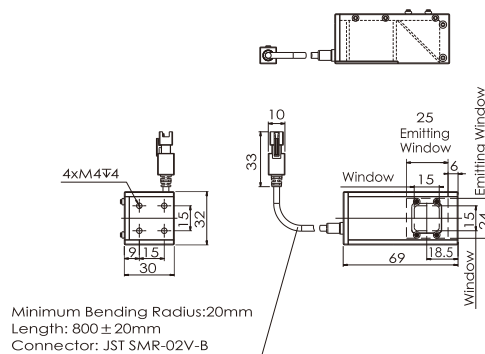
Uniformity and Intensity Customization

Custo-mizable items	High intensity	Standard	High uniformity	Remarks
Unifo-rmity				High uniformity light is suitable for the inspection of highly reflective workpieces. (e.g. glass parts)
Intensity				High intensity light is suitable for the inspection of low reflective workpieces. (e.g. plastic parts)

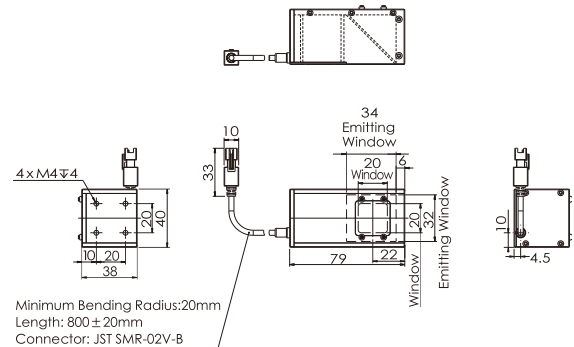
Note: The final result is affected by the testing workpiece and conditions. This table is for reference only.

Dimensions (mm)

1.OPT-CO30

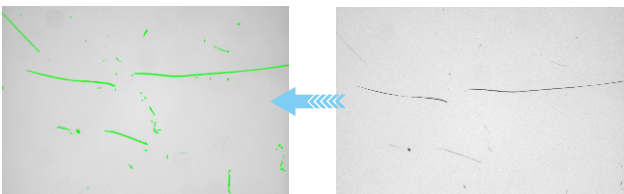


2.OPT-CO40



Application Example

Defects detection on reflective glass surface



SciSmart Analysis Result

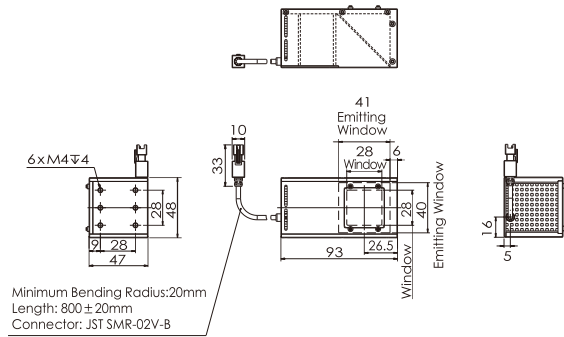
Image

Model Table

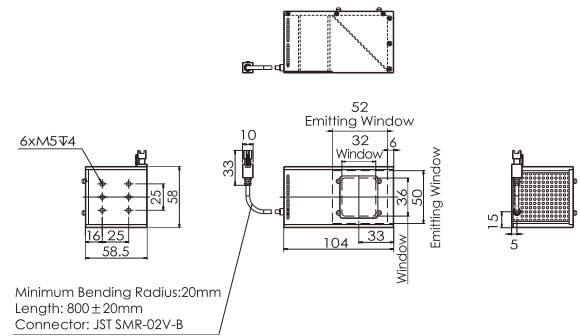
No.	Model	Color	* Output	Recommended controller
1	OPT-CO30	Red	24V/1.4W	OPT-DPA1024E OPT-DPA2024E
		Blue/Green	24V/1.8W	
2	OPT-CO40	Red	24V/2.0W	OPT-DPA1024E OPT-DPA2024E
		Blue/Green	24V/3.0W	
3	OPT-CO50	Red	24V/3.4W	OPT-DPA1024E OPT-DPA2024E
		Blue/Green	24V/5.4W	
4	OPT-CO60	Red	24V/4.7W	OPT-DPA1024E OPT-DPA2024E
		Blue/Green	24V/7.6W	
5	OPT-CO70	Red	24V/7.2W	OPT-DPA1024E OPT-DPA2024E
		Blue/Green	24V/10.5W	
6	OPT-CO80	Red	24V/8W	OPT-DPA1024E OPT-DPA2024E
		Blue/Green	24V/12W	
7	OPT-CO100	Red	24V/16.8W	OPT-DPA1024E OPT-DPA2024E
		Blue/Green	24V/17.5W	
8	OPT-CO150	Red	24V/31W	OPT-DPA2024E
		Blue/Green	24V/36W	
9	OPT-CO200	Red	2.2A/52.8W	OPT-DPA6024
		Blue/Green	2.5A/60W	

* Note: The data is for reference only.

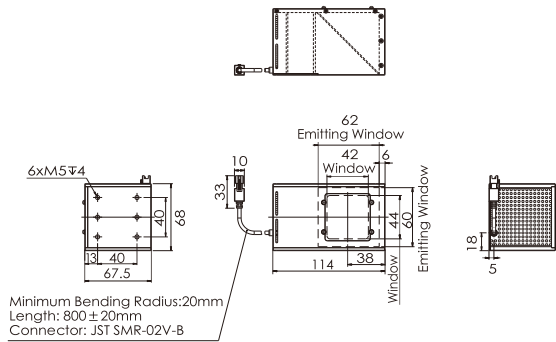
3.OPT-CO50



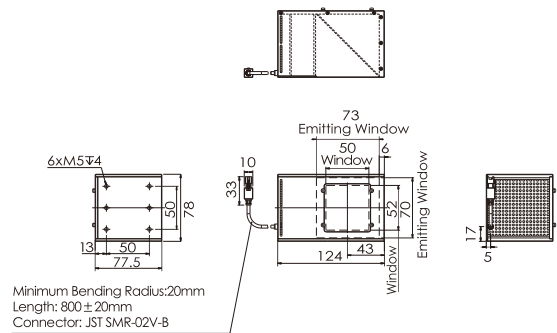
4.OPT-CO60



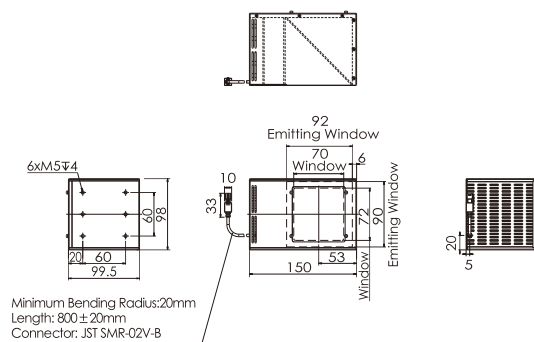
5.OPT-CO70



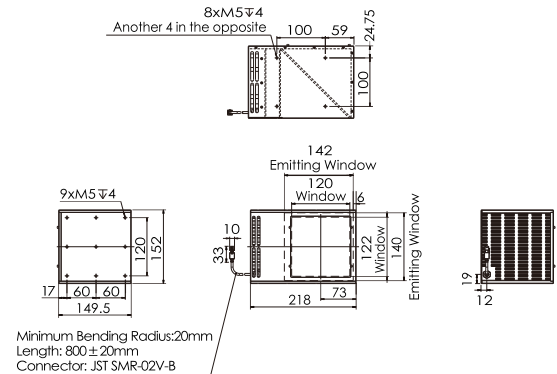
6.OPT-CO80



7.OPT-CO100



8.OPT-CO150



9.OPT-CO200

