

Collimated Spot Lights

OPT-PL Series **New**



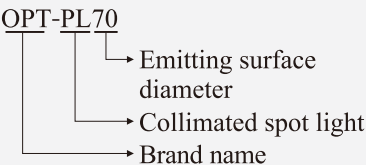
Product Features

- Telecentric optical design , divergence angle $\leq 1^\circ$
- Greatly increase image edge contrast to get higher gauging accuracy
- Mounting of hole position is customizable
- Combining with telenctric lens

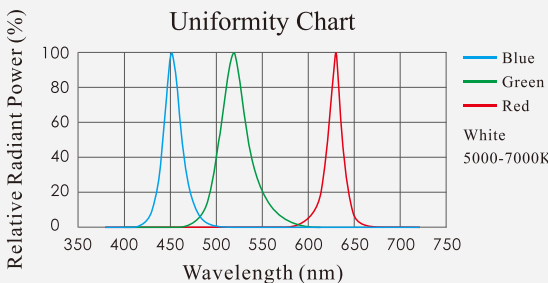
Application Cases

- Burr inspection
- Gap blockage detection
- Card surface inspection
- Gauging for metal parts

Selection Guide

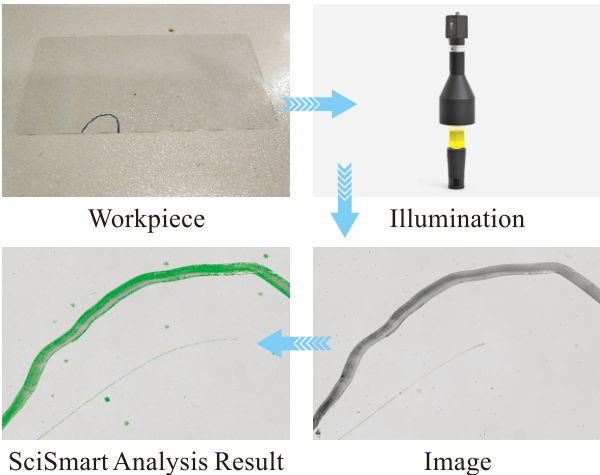


Customizable Items



Application Example

- Glass surface inspection



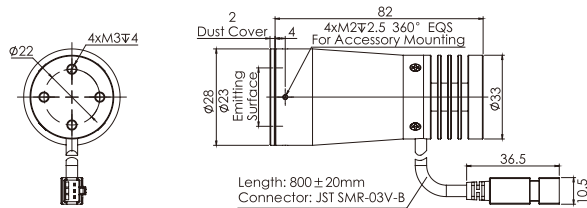
Model Table

Model	Color	* Output	Emitting surface diameter (φ mm)	Working distance (mm)	Controller	Optional accessory
OPT-PL23	○	1A/3.2W	23	45-90	OPT-DPA2005E	OPT-PPL23
	●	1A/2.7W				
	●	1A/3.75W				
	●	1A/3.3W				
OPT-PL35	○	1A/3.2W	35	45-90	OPT-DPA2005E	OPT-PPL35
	●	1A/2.7W				
	●	1A/3.75W				
	●	1A/3.3W				
OPT-PL70	○	1A/3.2W	70	100-200	OPT-DPA2005E	OPT-PPL70
	●	1A/2.7W				
	●	1A/3.75W				
	●	1A/3.3W				
OPT-PL100	○	1A/3.2W	100	150-300	OPT-DPA2005E	OPT-PPL100
	●	1A/2.7W				
	●	1A/3.75W				
	●	1A/3.3W				

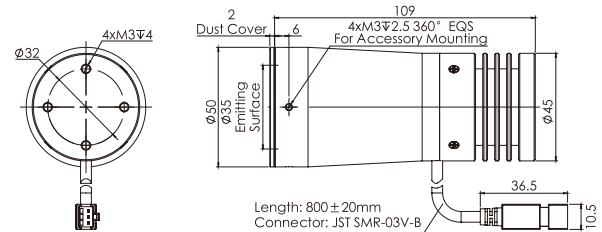
* Note: The data is for reference only.

Dimensions (mm)

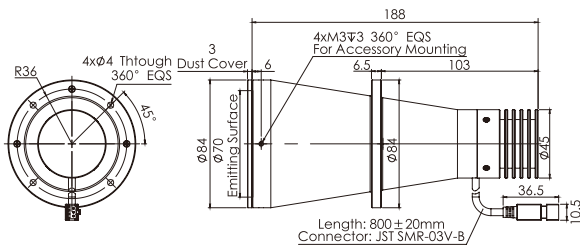
1. OPT-PL23



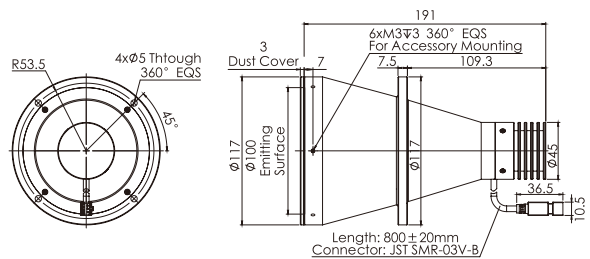
2. OPT-PL35



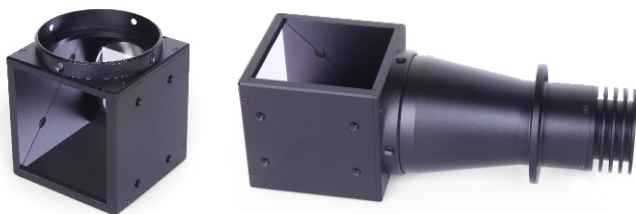
3. OPT-PL70



4. OPT-PL100



Coaxial Accessory



Product Features

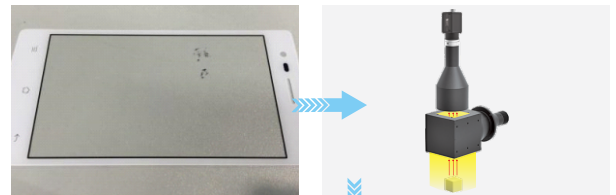
- Advanced coated beam splitter fixed inside to minimize light loss for ideal illumination

Application Cases

- Defects detection on metal surface
- Scratches detection on mobile phone screen
- Defects detection on glass surface

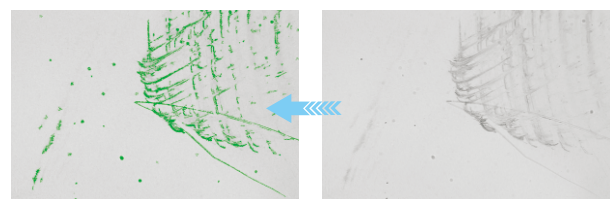
Application Example

■ Dirt detection on glass surface



Workpiece

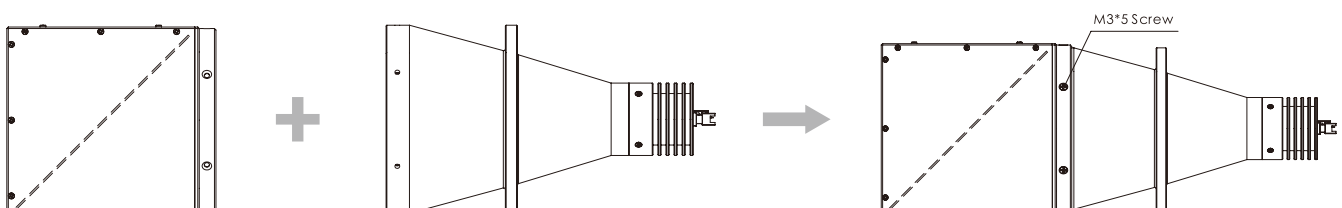
Illumination



SciSmart Analysis Result

Image

Accessory Assembly

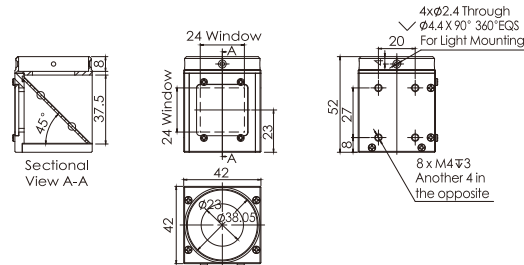


Model Table

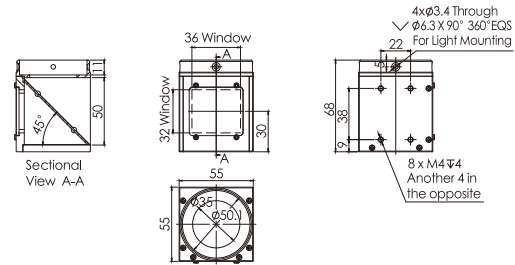
Model	Matching light	Emitting surface diameter (φmm)	Working distance (mm)
OPT-PPL23	OPT-PL23	23	5-50
OPT-PPL35	OPT-PL35	35	5-50
OPT-PPL70	OPT-PL70	70	10-100
OPT-PPL100	OPT-PL100	100	10-160

Dimensions (mm)

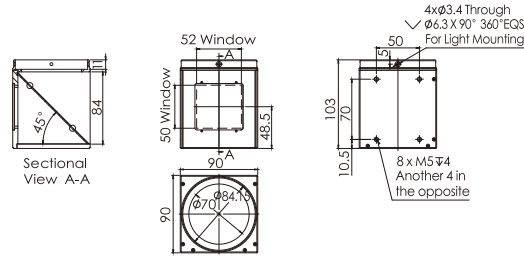
1.OPT-PPL23



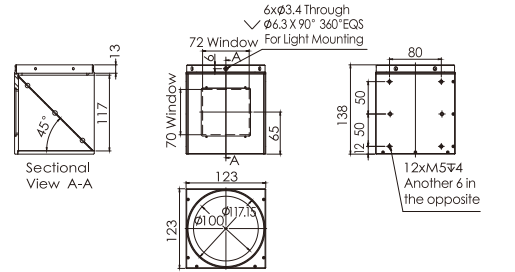
2.OPT-PPL35



3.OPT-PPL70

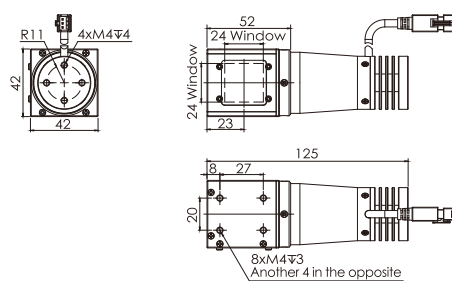


4.OPT-PPL100

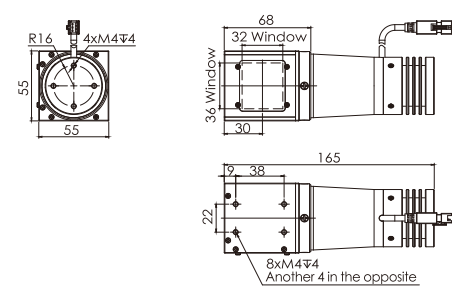


Assembled Unit Dimensions (mm)

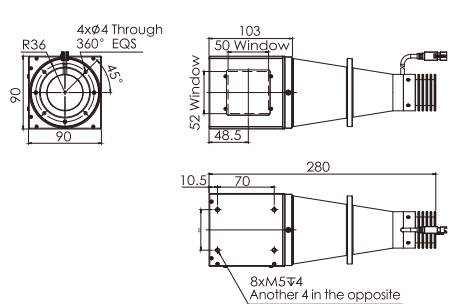
1.OPT-PL23
OPT-PPL23



2.OPT-PL35
OPT-PPL35



3.OPT-PL70
OPT-PPL70



4.OPT-PL100
OPT-PPL100

