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TECHNOLOGY GROUP

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Infrared Illumination

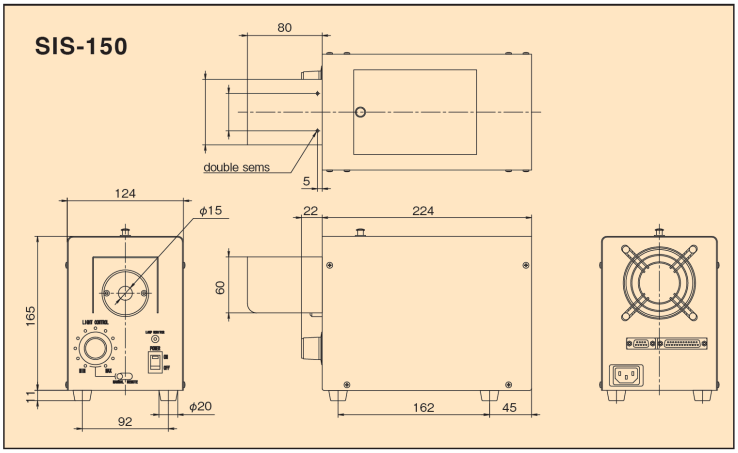


SIS-150 (-NIR/-AIR/-IR)

SIS-150 series is a light source that has wavelength range on near-infrared. In combination with optimized optical system and IR camera, it is suitable for non-destructive inspection such as internal inspection of Si wafer or inspection of back surface pattern.

■ Common specification

Model	SIS-150 (-NIR/-AIR/-IR)
Input voltage	AC100V~240V
Input frequency	50/60Hz
Output type	DC
Light volume control	Variable output voltage Variable range of voltage : DC2V-15V Variable range of light volume : 0.1%~100%
Protection	Overcurrent circuit (Power shutdown and recovery) Overheat circuit (Auto recovery)
Cooling	Forced-fan cooling
Operation temp/humidity	0℃-40℃ / 20%-80%RH (No condensing)
Functions	Lamp burnout signal output:Open collector/Emitter Analog signal voltage control:DC0-5V input Remote lamp ON/OFF:Lamp OFF by applying DC5V
Dimensions	W124×H165×D224mm (Except projection)
Weight	Approx. 2.7kg



Selectable from 3 types of lamps

Model	SIS-150-NIR	SIS-150-AIR	SIS-150-IR
Wavelength	400-1100nm	400-1700nm	650-1500nm
Peak wavelength	800nm	1000nm	800nm
Light guide	Standard	Heat-resistant	Heat-resistant



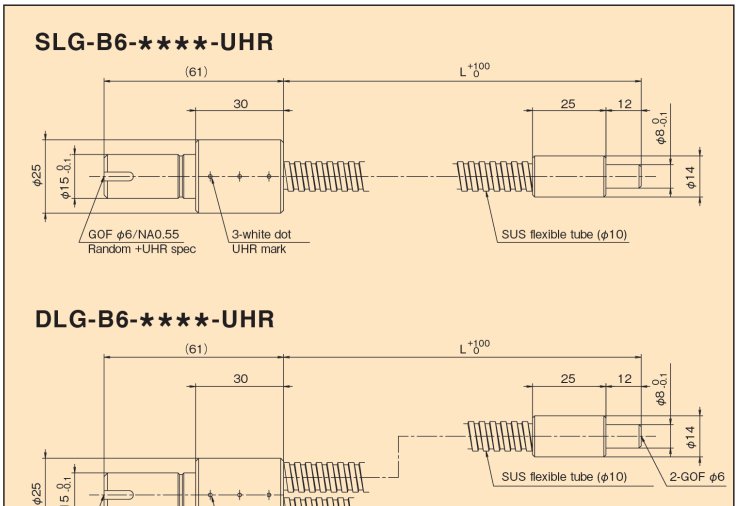
■ Option

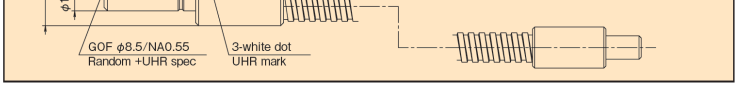
- Available for installing bandpass filter
- Available for installing mechanical shutter
- Available for installing 256 level digital light control board
  - Analog/Digital control board (Control voltage (0-5V))
  - Parallel control board (Parallel 8bit digital signal)
  - Serial control board (RS232C serial 8bit digital signal)

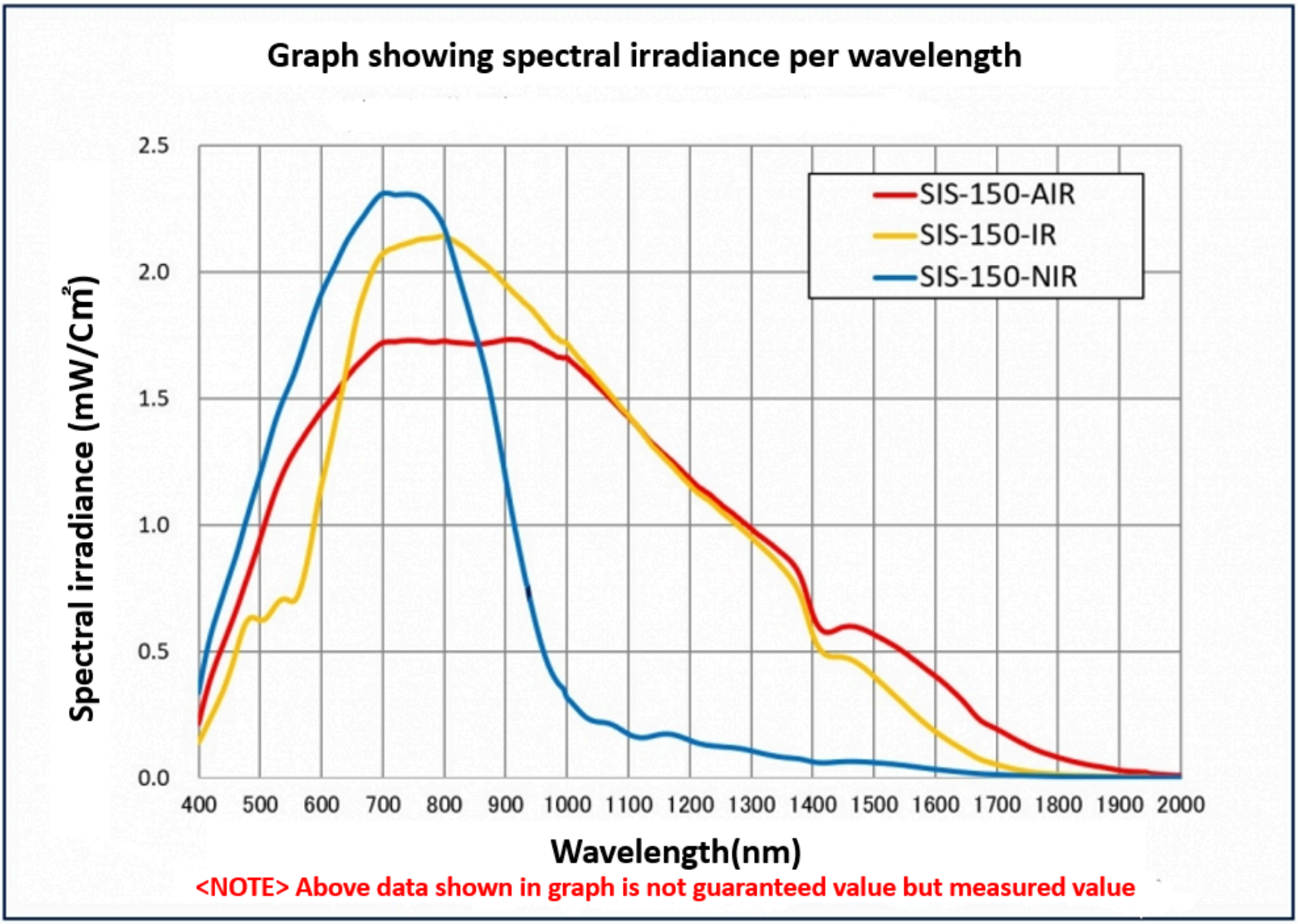
【Heat-resistant Light guide】

Model	SLG-B6-✱✱✱✱-UHR
Bundle diameter	φ6
Outside material	Flexible SUS tube
Minimum curve(R)	R40
L:Length	1000
	2000
	3000

Model	DLG-B6-✱✱✱✱-UHR (Dual branch)
Bundle diameter	φ6
Outside material	Flexible SUS tube
Minimum curve(R)	R40
L:Length	1000
	2000
	3000





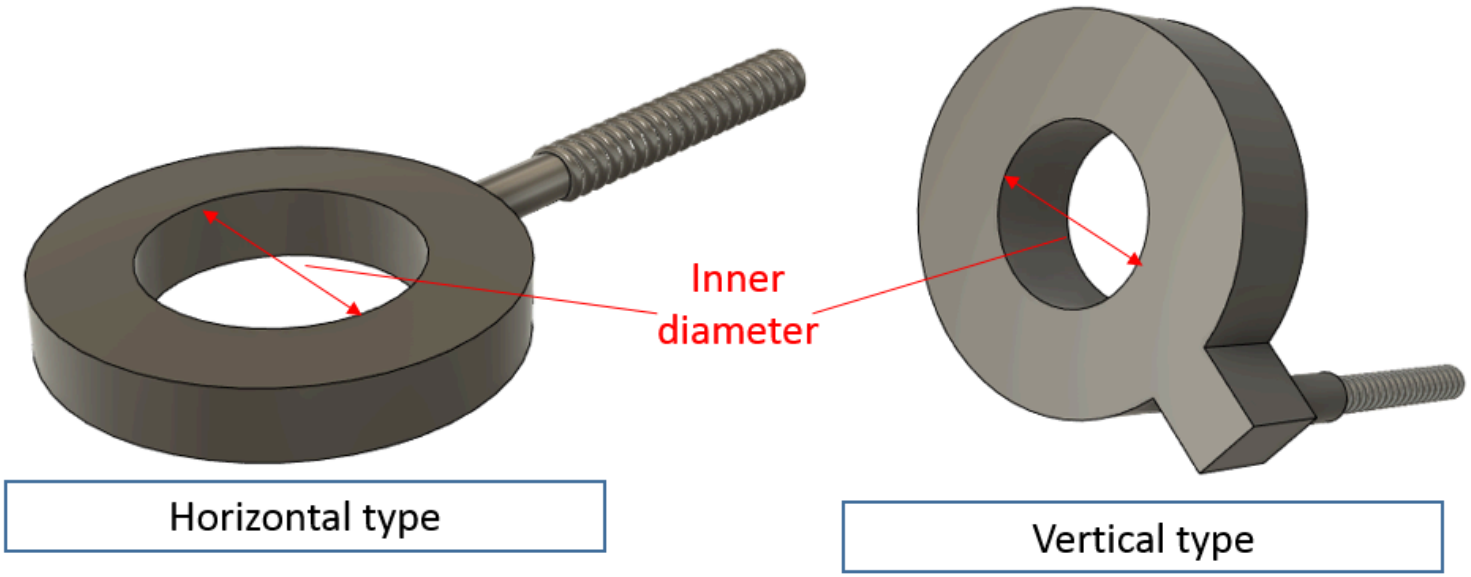


Introducing Ring fiber light guide

Bundle Diameter (mm)	Inner diameter (mm)	Type	Length(mm)
6	18	Horizontal type / Vertical type	1000/1500/2000/3000
6	25	Horizontal type / Vertical type	1000/1500/2000/3000
6	32	Horizontal type / Vertical type	1000/1500/2000/3000
8	45	Horizontal type / Vertical type	1000/1500/2000/3000
8	55	Horizontal type / Vertical type	1000/1500/2000/3000
8	65	Horizontal type / Vertical type	1000/1500/2000/3000

10	75	Horizontal type / Vertical type	1000/1500/2000/3000

※Regarding irradiation angle, customized models can be offered.



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