

High luminance fiber light (2SLG)

LS-2SLG series · Custom lights · 4 models

Newly upgraded second-generation high luminance fiber light source demonstrates a 60% luminance enhancement in the 2SLG250 model compared to the 2SLG150-W.

Features

- High brightness and high efficiency are achieved through a multi-group coupled lens design
- The appearance is simple and smooth, and the volume is more compact
- Five colors of R/G/B/W/CW (high color rendering) are standard
- The illuminance at 20mm can reach 15 million LX
- It is suitable for semiconductor microscopic module applications
- Switch filters to output multi-band colors
- Fast color switch supports various processes and inspections
- Filters are replaced once the front cover is removed
- Filter switching is realized via the front panel, RS232, LAN or external trigger signals
- 5 color filters included (Custom wavelengths available upon inquiry.)



Applications

- Electron endoscope
- Automotive endoscope
- Industrial endoscope
- Optical fiber
- Wafer Inspection: Surface particles, scratches, contaminants and photoresist residues are inspected
- Chip Packaging Inspection: Detect gold wire defects, pad contaminants and packaging bubbles
- OLED Panel Inspection: Screen dots, scratches, and dirt on the polarizing filter
- Microscopic Optical Imaging Inspection: Metallographic observation & material multi-spectral micro inspection

Common specifications

Baud rate	19200bps
Communication	RS232/LAN
Compatible fiber diameter (mm)	Fiber OF diameter dia. 6-14mm
Drive mode	Constant current
External trigger respond time	20us
External trigger voltage	Strobe / constant on using External trigger voltage 5-24V
Input voltage	100-240V AC
Insulation and voltage resistance	AC1500V cut off current 10mA for 1 minute, DC500 V 20 MΩ or more
Lighting angle	Full angle 30°
Luminance control level	256/1024 Level
Luminance control method	LCD display adjustment/RS232 communication adjustment/LAN communication adjustment optional
Number of channels	1 Way
Operating temp. & humidity	Temperature : 0 to 40°C, humidity : 20 to 85%RH(Non-condensing)
Protection functions	Over-load protection, over temperature protection, power off saving
Storage environment	Temperature : 0 to 50°C, humidity : 20 to 85%RH(Non-condensing)

Model	Model as printed	Output power	Dimension	Color	CRI	Life span
LS-2SLG150 colours: R, G, B, W	LS-2SLG150-R/G/B/W	150W	L177xW155xH203(mm)	R/G/B/W	≤80	60,000h (till the luminance output reduced to 50%)
LS-2SLG250 colours: R, G, B, W	LS-2SLG250-R/G/B/W	250W	L177xW155xH203(mm)	R/G/B/W	≤80	60,000h (till the luminance output reduced to 50%)
LS-2SLG250-CW	-	250W	L177xW155xH203(mm)	CW(High CRI)	≥95	15,000h
LS-2SLG265-WX	LS-2SLG265-WX(RGBWY)	265W	L188.4xW185xH252(mm)	RGBWY	≤80	60,000h (till the luminance output reduced to 50%)

LS-2SLG250-CW

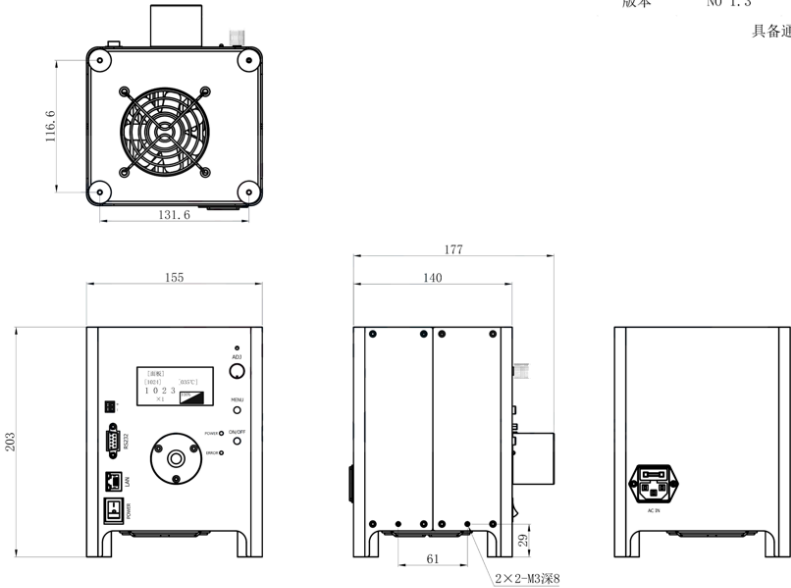
单位	mm (毫米)	驱动方式	恒流型
比例	1:1	调节级别	1024级
版本	NO 1.3	输入	AC110~240V 50~60Hz

具备通讯、触发功能

产品型号 I.TS-2SLG250-CW

LED发光色 W(白)

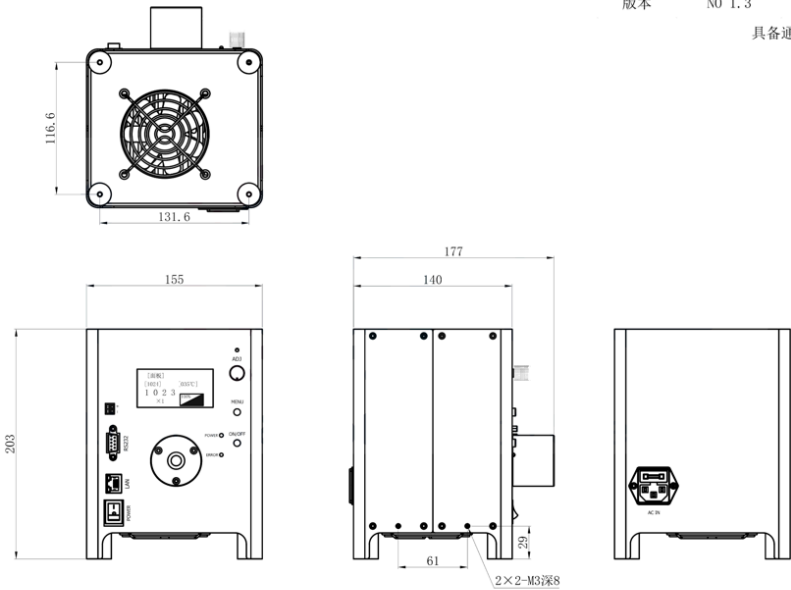
LS-2SLG250-CW



		产品型号	LS-2SLG250-CW
单位	mm (毫米)	LED发光色	W(白)
比例	1:1	驱动方式	恒流型
版本	NO 1.3	调节级别	1024级
		输入	AC110~240V 50~60Hz
具备通讯、触发功能			

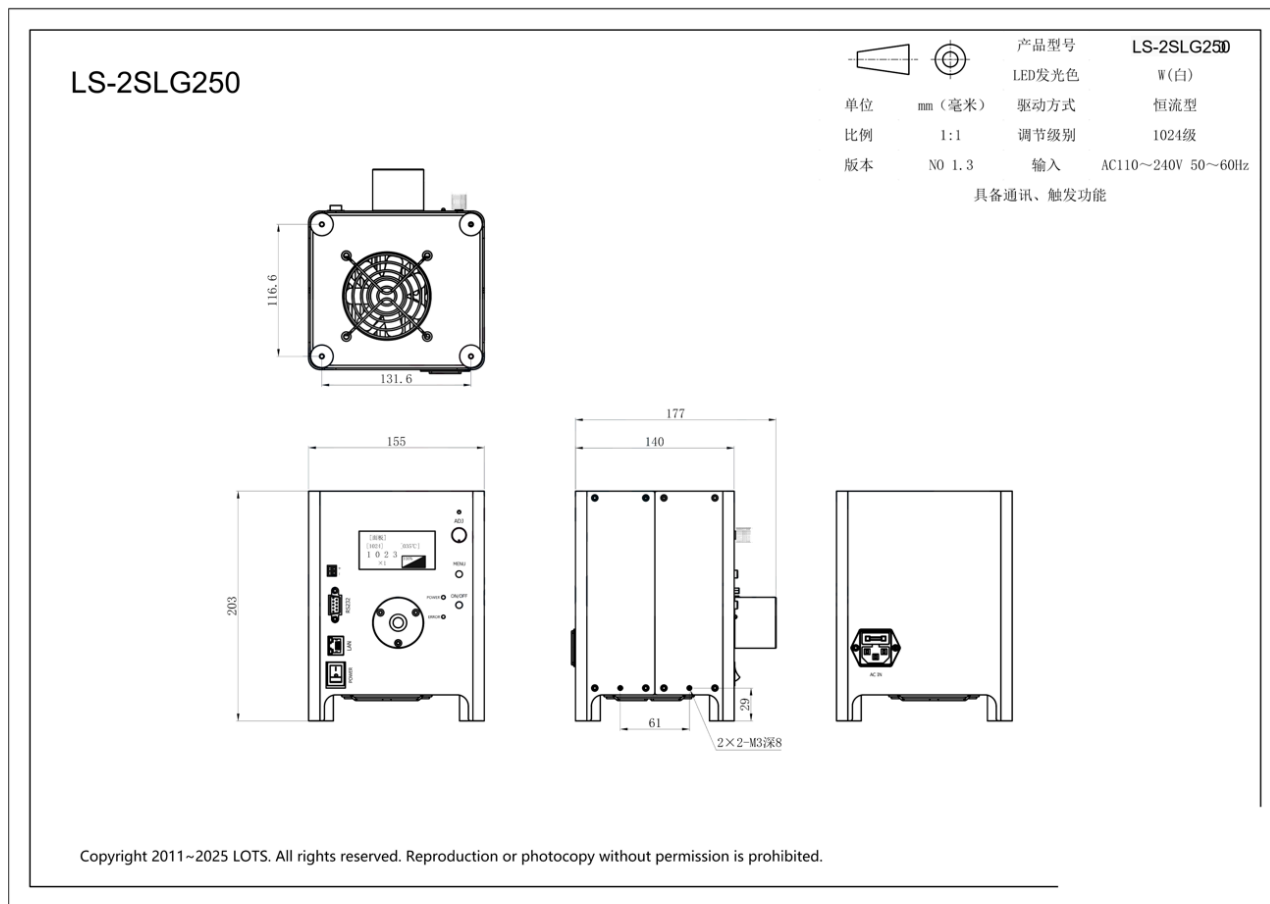
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LS-2SLG150



		产品型号	LS-2SLG150
单位	mm (毫米)	LED发光色	W(白)
比例	1:1	驱动方式	恒流型
版本	NO 1.3	调节级别	1024级
		输入	AC110~240V 50~60Hz
具备通讯、触发功能			

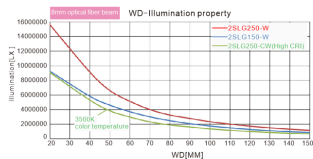
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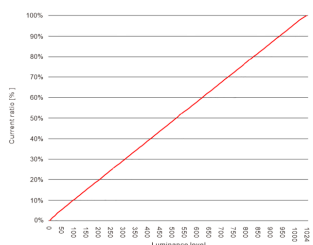
Performance

Illumination property diagram

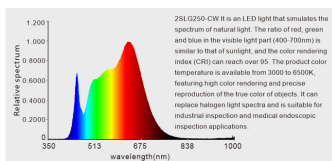
Model:LS-2SLG250-W/2SLG150-W/2SLG250-CW(HighCRI)



Linearity graph



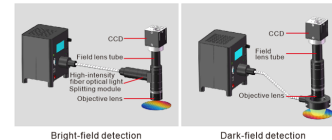
LS-2SLG250-CW spectrum chart



Brightness comparison chart



Micro-module wafer application diagram



Accessories

