

High Intensity Line Scan Lights **OPT-LSS Series**



Product Features

Main Features

- Illuminance up to 2000 klux (WD=50mm)
- Low divergence angle, suitable for long working distance application
- Diffuser film optional, suitable for highly reflected workpiece illumination, or used as backlight

Application Cases

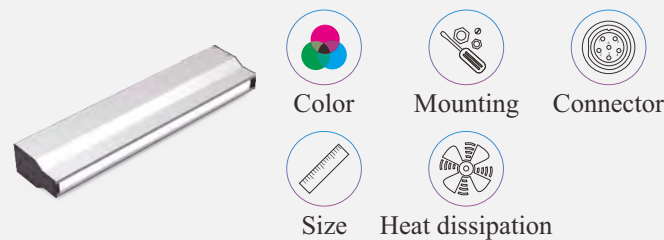
- Ultra high-speed line scan inspection
- Long distance line scan inspection
- High-speed printing inspection

Selection Guide

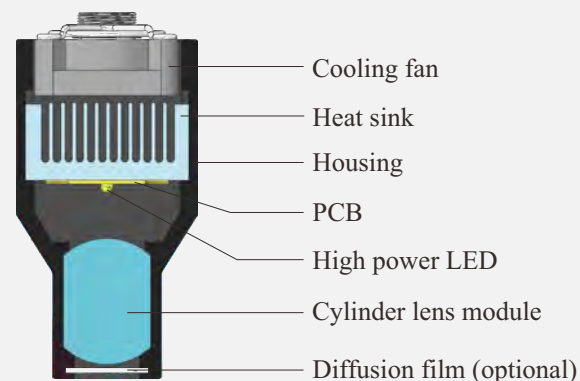
OPT-LSS104

- Length
- Ultra high intensity line scan light
- Brand name

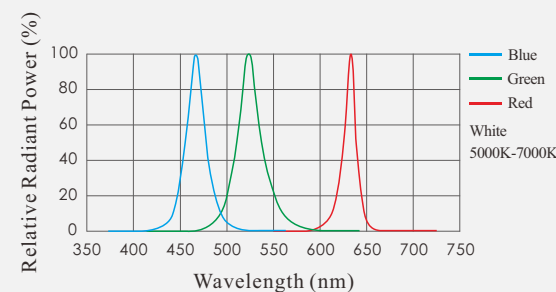
Customizable Items



Section Structure Drawing



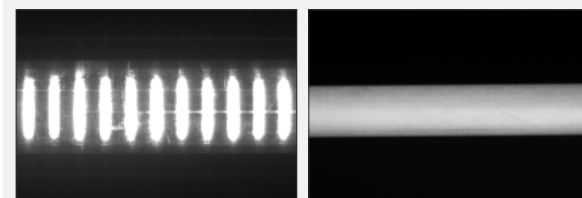
Spectrum Chart



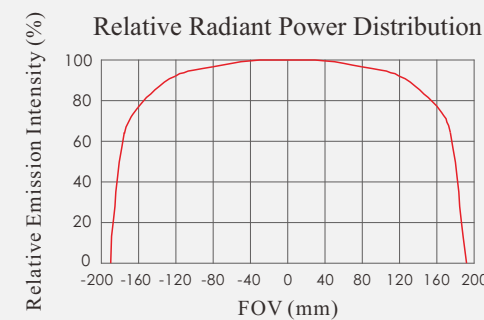
Note: The data is for reference only.

Series features

Surface reflective workpiece can be used with diffusion film to improve image uniformity.

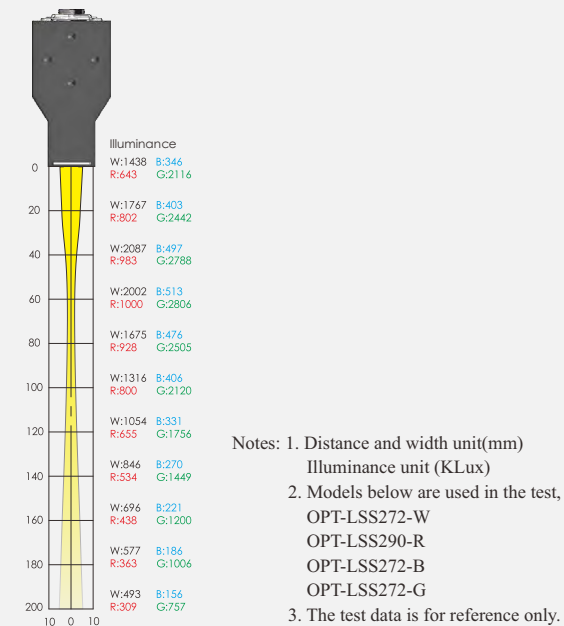


Without diffusion film With diffusion film



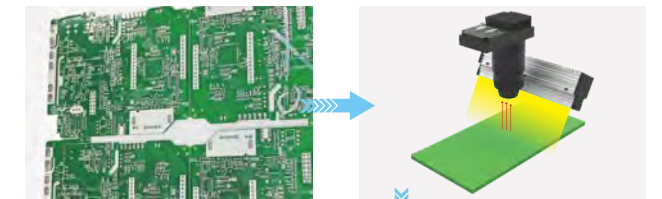
Note: The data above is tested with OPT-LSS398-W at 50mm WD. It is for reference only.

Light Spot and Illuminance at Different WDs



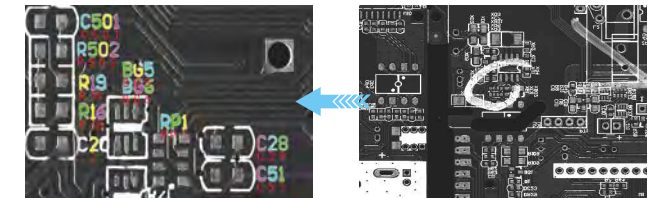
Application Cases

■ OCR for PCB



Workpiece

Illumination



SciSmart Analysis Result

Image

Model Table

No.	Model	Color	* Input	Total Length A (mm)	Emitting Length B (mm)	Standard light source cable	Recommended controller
1	OPT-LSS104	○ ● ●	33.6W@1.4A	104	86	OPT-DGYX1M-6P-S-6A	OPT-DPA6024
2	OPT-LSS146	○ ● ●	50.4W@2.1A	146	128		
3	OPT-LSS188	○ ● ●	67.2W@2.8A	188	170		
4	OPT-LSS230	○ ● ●	84W@3.5A	230	212		
5	OPT-LSS272	○ ● ●	100.8W@4.2A	272	254		
6	OPT-LSS314	○ ● ●	117.6W@4.9A	314	296		
7	OPT-LSS356	○ ● ●	134.4W@5.6A	356	338		
8	OPT-LSS398	○ ● ●	151.2W@6.3A	398	380	OPT-DGYX1M-6P-S-20A	OPT-DPA10024
9	OPT-LSS440	○ ● ●	168W@7A	440	422		
10	OPT-LSS482	○ ● ●	184.8W@7.7A	482	464		
11	OPT-LSS524	○ ● ●	201.6W@8.4A	524	506		
12	OPT-LSS566	○ ● ●	218.4W@9.1A	566	548		
13	OPT-LSS608	○ ● ●	235.2W@9.8A	608	590		
14	OPT-LSS650	○ ● ●	252W@10.5A	650	632		OPT-DPA20024
15	OPT-LSS692	○ ● ●	268.8W@11.2A	692	674		
16	OPT-LSS128	●	33.6W@1.4A	128	110	OPT-DGYX1M-6P-S-6A	OPT-DPA6024
17	OPT-LSS182	●	50.4W@2.1A	182	164		
18	OPT-LSS236	●	67.2W@2.8A	236	218		

Model Table

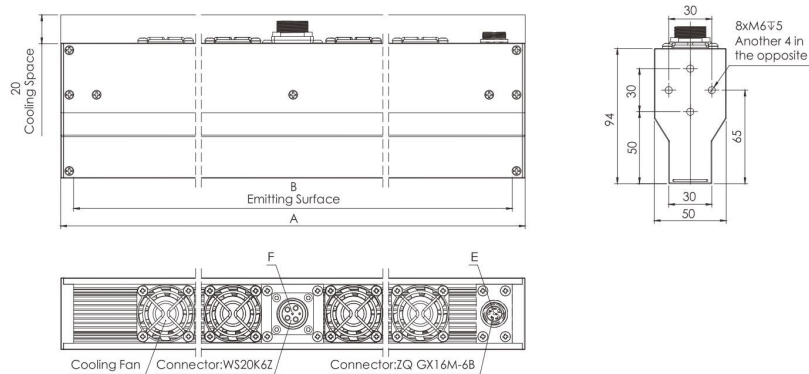
No.	Model	Color	* Input	Total Length A (mm)	Emitting Length B (mm)	Standard light source cable	Recommended controller
19	OPT-LSS290	●	84W@3.5A	290	272	OPT-DGYX1M-6P-S-6A	OPT-DPA6024
20	OPT-LSS344	●	100.8W@4.2A	344	326		
21	OPT-LSS398	●	117.6W@4.9A	398	380		
22	OPT-LSS452	●	134.4W@5.6A	452	434		
23	OPT-LSS506	●	151.2W@6.3A	506	488	OPT-DGYX1M-6P-S-20A	OPT-DPA10024
24	OPT-LSS560	●	168W@7A	560	542		
25	OPT-LSS614	●	184.8W@7.7A	614	596		
26	OPT-LSS668	●	201.6W@8.4A	668	650		
27	OPT-LSS722	●	218.4W@9.1A	722	704		

Notes: 1. * The data above is for reference only.

2. Customizable size: Lengths of white, blue and green lights are increased by multiples of 42mm; length of red lights is increased by multiples of 54mm.

3. Light cables are required. Please refer to P. 256 for more details.

Dimensions (mm)



* 1. Rated current ≤ 6A: only Port E available

* 2. Rated current > 6A: only Port F available