

High Intensity Coaxial Line Scan Lights OPT-LSSC Series



Product Features

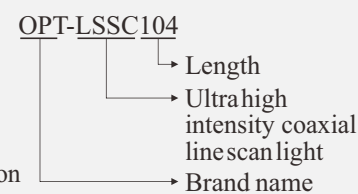
Main Features

- Higher intensity compared with OPT-LSGC
- Compatible with the inspection of both reflective and matt surfaces
- Highly directional illumination

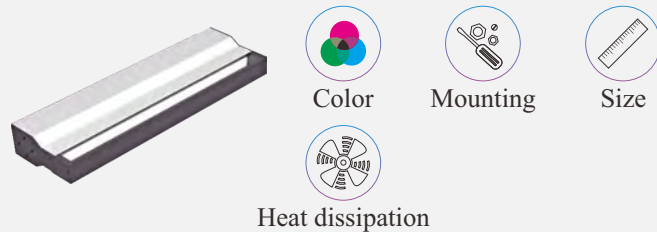
Application Cases

- Illumination for line scan cameras
- Film and glass surface inspection; foreign objects detection
- High-speed printing inspection

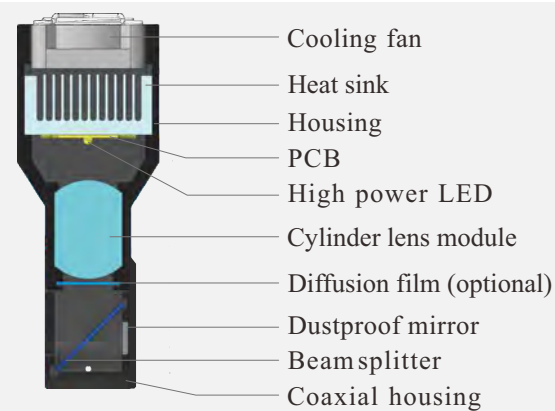
Selection Guide



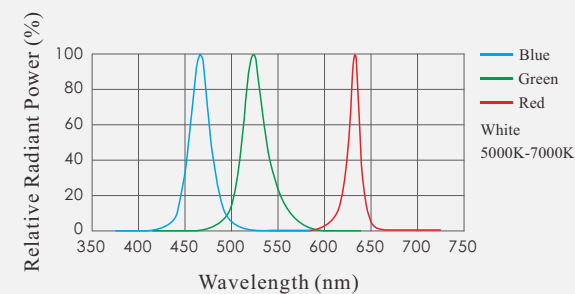
Customizable Items



Section Structure Drawing



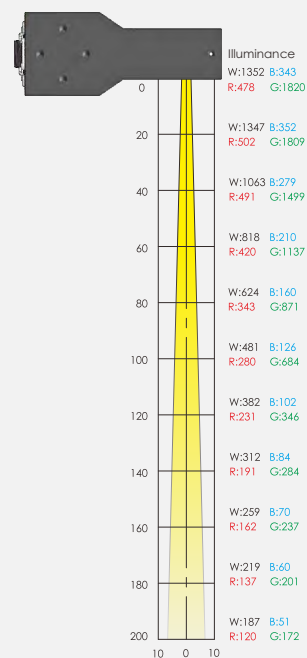
Spectrum Chart



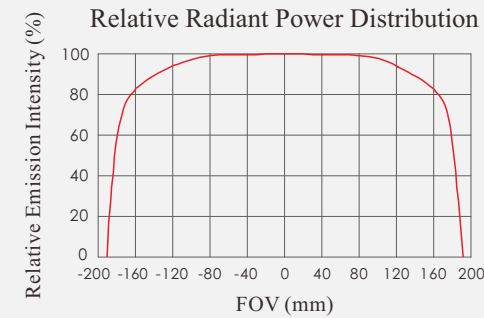
Note: The data is for reference only.

Series features

Light Spot and Illuminance at Different WDs



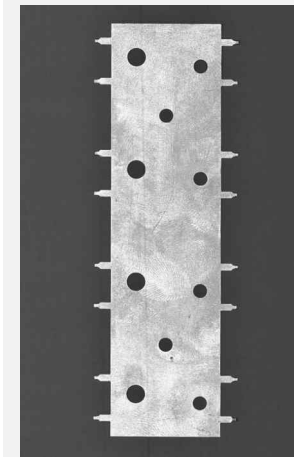
Notes:
1. Distance and width unit(mm)
Illuminance unit (KLux)
2. Models below are used in the test,
OPT-LSSC272-W
OPT-LSSC290-R
OPT-LSSC272-B
OPT-LSSC272-G
3. The test data is for reference only.



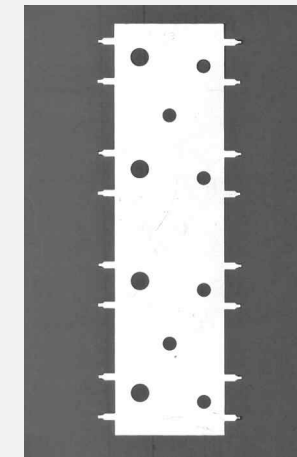
Note: The data above is tested with OPT-LSSC398-W at 30mm WD. It is for reference only.

Detection effect comparison between OPT-LSGC Series and OPT-LSSC Series

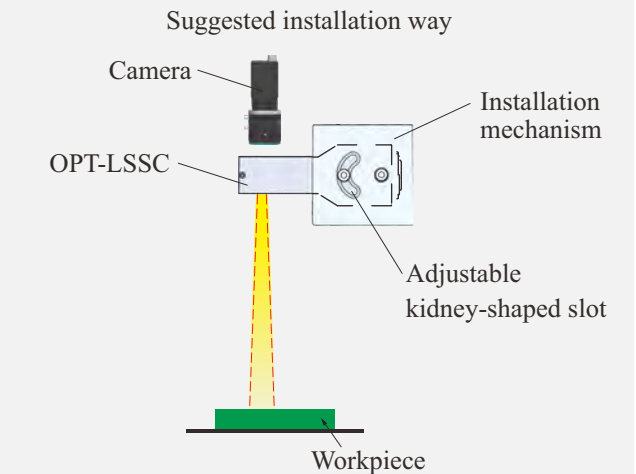
LSGC detection effect



LSSC detection effect



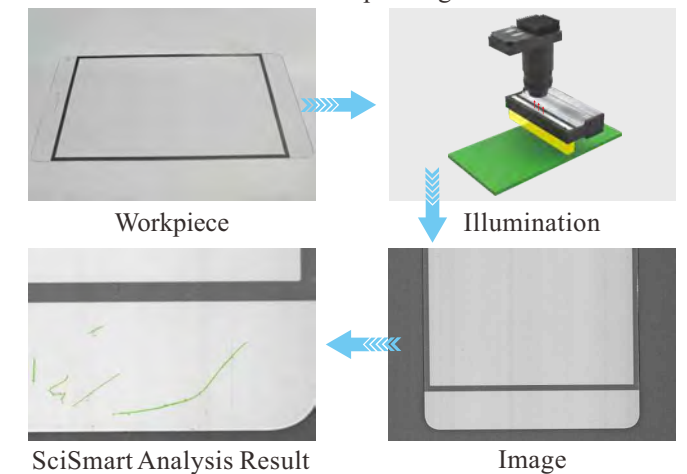
Note: LSCG image brightness is not enough, there are much light and dark interference on the tested workpiece surface. Once the brightness is increased with LSSC, the workpiece surface interference are eliminated.



The installation mechanism is suggested to be design with adjustable for angle to ease the spot position calibration

Application Cases

Scratches detection on transparent glass surface



Model Table

No.	Model	Color	* Input	Total Length A (mm)	Emitting Length B (mm)	Standard light source cable	Recommended controller
1	OPT-LSSC104	○ ● ●	33.6W@1.4A	104	86	OPT-DGYX1M-6P-S-6A	OPT-DPA6024
2	OPT-LSSC146	○ ● ●	50.4W@2.1A	146	128		
3	OPT-LSSC188	○ ● ●	67.2W@2.8A	188	170		
4	OPT-LSSC230	○ ● ●	84W@3.5A	230	212		
5	OPT-LSSC272	○ ● ●	100.8W@4.2A	272	254		
6	OPT-LSSC314	○ ● ●	117.6W@4.9A	314	296		
7	OPT-LSSC356	○ ● ●	134.4W@5.6A	356	338		
8	OPT-LSSC398	○ ● ●	151.2W@6.3A	398	380	OPT-DGYX1M-6P-S-20A	OPT-DPA10024
9	OPT-LSSC440	○ ● ●	168W@7A	440	422		
10	OPT-LSSC482	○ ● ●	184.8W@7.7A	482	464		
11	OPT-LSSC524	○ ● ●	201.6W@8.4A	524	506		

Model Table

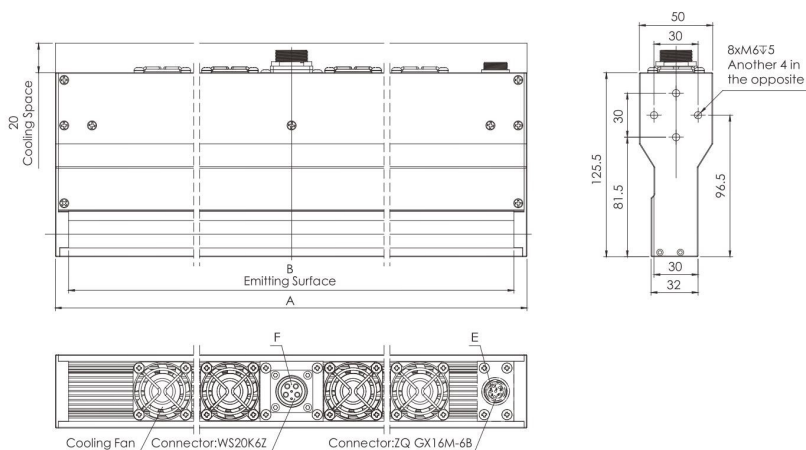
No.	Model	Color	* Input	Total Length A (mm)	Emitting Length B (mm)	Standard light source cable	Recommended controller
12	OPT-LSSC566	○ ● ●	218.4W@9.1A	566	548	OPT-DGYX1M-6P-S-20A	OPT-DPA10024
13	OPT-LSSC608	○ ● ●	235.2W@9.8A	608	590		
14	OPT-LSSC128	●	33.6W@1.4A	128	110	OPT-DGYX1M-6P-S-6A	OPT-DPA6024
15	OPT-LSSC182	●	50.4W@2.1A	182	164		
16	OPT-LSSC236	●	67.2W@2.8A	236	218		
17	OPT-LSSC290	●	84W@3.5A	290	272		
18	OPT-LSSC344	●	100.8W@4.2A	344	326		
19	OPT-LSSC398	●	117.6W@4.9A	398	380		
20	OPT-LSSC452	●	134.4W@5.6A	452	434	OPT-DGYX1M-6P-S-20A	OPT-DPA10024
21	OPT-LSSC506	●	151.2W@6.3A	506	488		
22	OPT-LSSC560	●	168W@7A	560	542		
23	OPT-LSSC614	●	184.8W@7.7A	614	596		

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