

Crossing Line Scan Lights OPT-LSSX Series New



Product Features

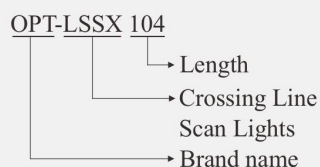
Main Features

- Special optical design with cross lighting on both sides , able to detect the workpiece directional damage.
- Compatible with both mirror finishing surface and matte surface inspection.

Application Cases

- Transparent glass objects defect detection
- Metal objects surface scratch detection
- Aluminum foil objects surface defect detection

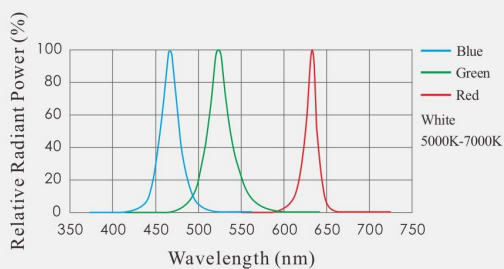
Selection Guide



Customizable Items



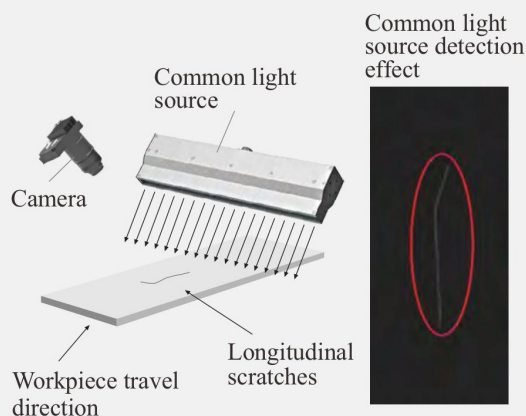
Spectrum Chart



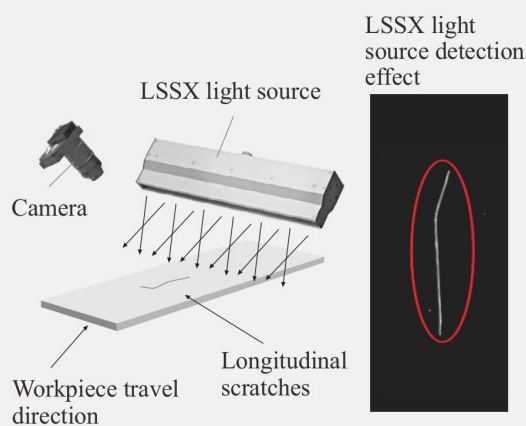
Note: The data is for reference only.

Series features

Effects comparison between common light source and LSSX light source



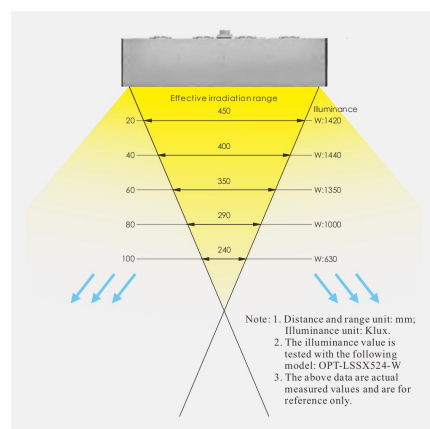
Note: Common light sources is difficult to highlight longitudinal scratch defects.



Note: The use of LSSX light source can clearly highlight longitudinal scratch defects.

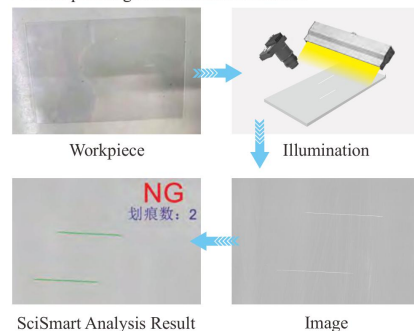
No.	Model	Exposure ranges for different working distances				
		20	40	60	80	100
1	OPT-LSSX104	30				
2	OPT-LSSX146	70	20			
3	OPT-LSSX188	110	60			
4	OPT-LSSX230	160	100	40		
5	OPT-LSSX272	200	150	100	40	
6	OPT-LSSX314	240	180	130	70	
7	OPT-LSSX356	280	230	170	120	60
8	OPT-LSSX398	320	270	210	160	100
9	OPT-LSSX440	370	310	250	200	140
10	OPT-LSSX482	410	350	300	240	180
11	OPT-LSSX524	450	400	350	290	240
12	OPT-LSSX566	490	440	380	320	270
13	OPT-LSSX608	530	480	420	370	310
14	OPT-LSSX650	580	520	460	410	350
15	OPT-LSSX692	620	560	510	450	390
16	OPT-LSSX128	50				
17	OPT-LSSX182	110	50			
18	OPT-LSSX236	160	110	50		
19	OPT-LSSX290	220	160	100	50	
20	OPT-LSSX344	270	210	160	100	50
21	OPT-LSSX398	320	270	210	160	100
22	OPT-LSSX452	380	320	270	210	150
23	OPT-LSSX506	430	380	320	260	210
24	OPT-LSSX560	490	430	370	320	260
25	OPT-LSSX614	540	480	430	370	320
26	OPT-LSSX668	590	540	480	430	370
27	OPT-LSSX722	650	590	540	480	420

Note: The data are simulated values for reference purpose, there may be differences in actual



Application Cases

Transparent glass scratches detection

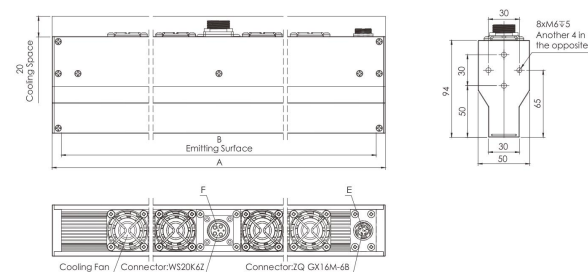


Model Table

No.	Model	Color	* Input	Total Length A (mm)	Emitting Length B (mm)	Standard light source cable	Recommended controller
11	OPT-LSSX524	○ ● ●	201.6W@8.4A	524	506	OPT-DGYX1M-6P-S-20A	OPT-DPA10024
12	OPT-LSSX566	○ ● ●	218.4W@9.1A	566	548		
13	OPT-LSSX608	○ ● ●	235.2W@9.8A	608	590		OPT-DPA20024
14	OPT-LSSX650	○ ● ●	252W@10.5A	650	632		
15	OPT-LSSX692	○ ● ●	268.8W@11.2A	692	674		
16	OPT-LSSX128	●	33.6W@1.4A	128	110	OPT-DGYX1M-6P-S-6A	OPT-DPA6024
17	OPT-LSSX182	●	50.4W@2.1A	182	164		
18	OPT-LSSX236	●	67.2W@2.8A	236	218		
19	OPT-LSSX290	●	84W@3.5A	290	272		
20	OPT-LSSX344	●	100.8W@4.2A	344	326		
21	OPT-LSSX398	●	117.6W@4.9A	398	380	OPT-DGYX1M-6P-S-20A	OPT-DPA10024
22	OPT-LSSX452	●	134.4W@5.6A	452	434		
23	OPT-LSSX506	●	151.2W@6.3A	506	488		
24	OPT-LSSX560	●	168W@7A	560	542		
25	OPT-LSSX614	●	184.8W@7.7A	614	596		
26	OPT-LSSX668	●	201.6W@8.4A	668	650		
27	OPT-LSSX722	●	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