

High uniformity line scan light, fan cooled (2LINS)

LS-2LINS series · Line scan lights · 15 models

High uniformity line scan light with a high power SMD LED array and a built-in diffuser plate for highly uniform illumination; length can be customized. It inspects reflective workpieces stably and uniformly, avoiding LED reflections into the lens and line scan camera.

Features

- High power SMD LED array design, high luminance
- Built-in diffuser plate for high uniformity
- Length can be customized
- Two diffuser plates with different transmittance: uniformity type (2LINS) for transmitted light, high luminance type (2LIN) for reflected light
- Stability design: fan can be dismounted independently; aviation connector
- Customizable: heat dissipation method, length, colour & colour temperature, cable length, installation method

Applications

- Printed packing inspection
- Tile pattern inspection
- Metal surface defect inspection
- Plastic component defect inspection
- Printed character inspection



Colours

R	620-630 nm
G	525-530 nm
B	465-470 nm
W	6600 K

Common specifications

Cooling	Fan cooling
Peak wavelength / colour temperature	Red 620-630 nm, Green 525-530 nm, Blue 465-470 nm, White 6600 K (colour temperature)
Adapted controller	High power constant voltage controller LS-2APC; high power constant current controller LS-DPA
Voltage	24 V / 48 V DC (by length)
Cross-section (mm)	53 W x 83 H body; (121.5) H incl. fan; 116.28 side view
Emitting width (mm)	24
Mounting	2x4-M5 depth 6; installation plate with M5 screws and nuts
Cable	500 mm
Installation	1) end face locked to the device through the dead plate by M5 screws; 2) on the flank, M5 screws go through the dead plate into M5 nuts in the screw groove
Reference illuminance (LS-2LINS300-W)	580,000 lux at WD 50 mm, direct emitting illumination, DC 24 V, fan cooling
Operating environment	Temperature 0-50 °C, humidity 20-85% (non-condensing)
Life-span	50000 h (to 50% of factory-default luminance)
Extension cable options	PVC extension cable (flexible, bend and heat resistant, for use inside equipment); high-flexibility extension cable (harder and more abrasion resistant than PVC, for drag-chain production lines)
UV / IR	UV & IR light can be customized as required

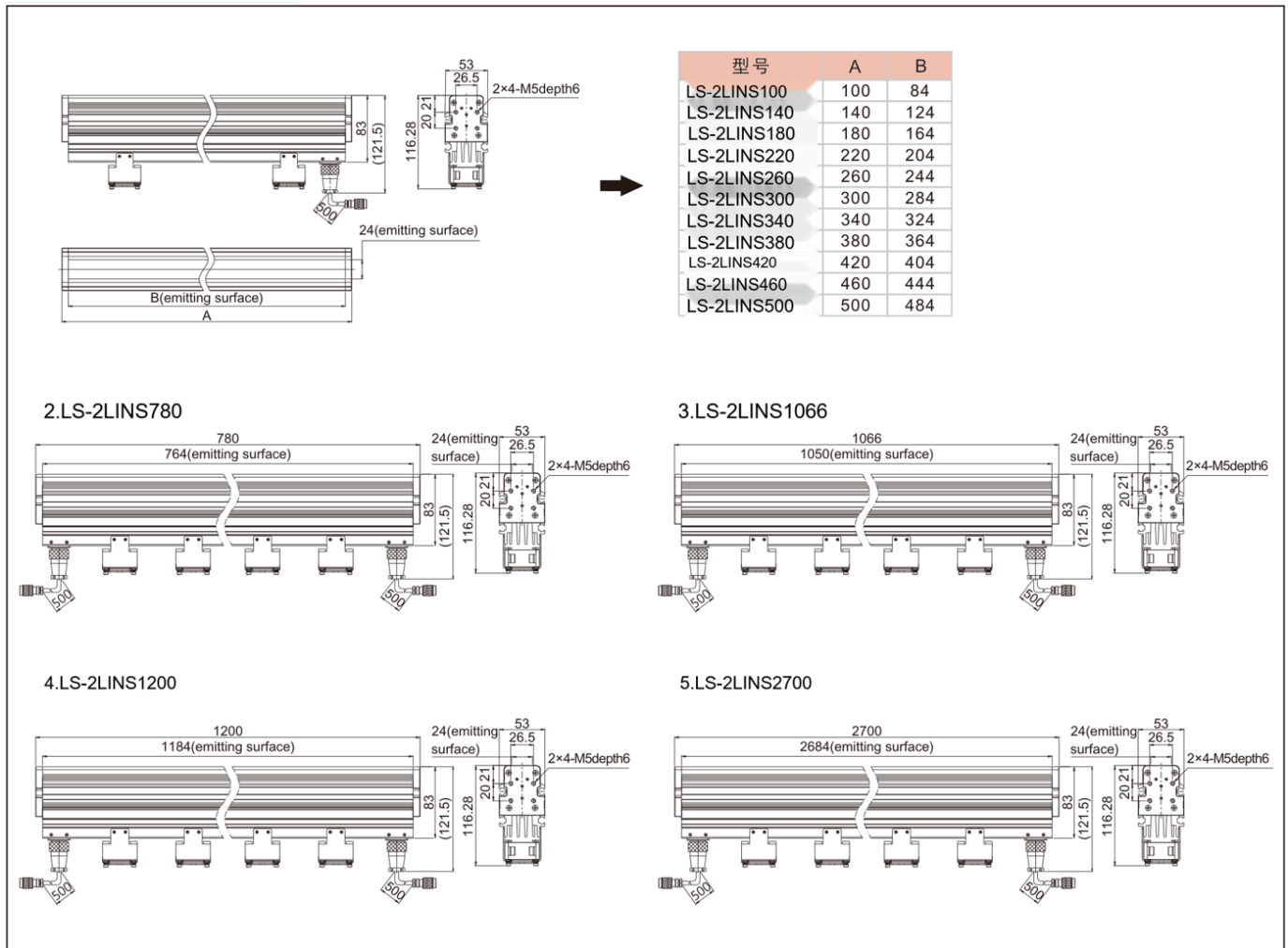
Emitting length range (mm)	84-2684
Recommended working distance	10-400 mm
FOV	1-2500 mm

Ordering code: LS-2LINS<overall length>-<R/G/B/W/IR/UV>

Models

Model	Overall length (mm)	Voltage (V)	Power (W)	Weight (g)	Drawing no.	Common model	Emitting length (mm)
LS-2LINS100 colours: R, G, B, W	100	24	36	631	1	Y	84
LS-2LINS140 colours: R, G, B, W	140	24	54	1106	1	Y	124
LS-2LINS180 colours: R, G, B, W	180	24	72	1022	1	Y	164
LS-2LINS220 colours: R, G, B, W	220	24	90	1387	1	Y	204
LS-2LINS260 colours: R, G, B, W	260	24	108	1467	1	Y	244
LS-2LINS300 colours: R, G, B, W	300	24	126	1893	1	Y	284
LS-2LINS340 colours: R, G, B, W	340	24	144	2145	1	Y	324
LS-2LINS380 colours: R, G, B, W	380	24	162	2398	1	Y	364
LS-2LINS420 colours: R, G, B, W	420	24	180	2650	1	Y	404
LS-2LINS460 colours: R, G, B, W	460	24	198	2903	1	Y	444
LS-2LINS500 colours: R, G, B, W	500	24	216	3155	1	Y	484
LS-2LINS780 colours: R, G, B, W	780	24	342	5050	2	N	764
LS-2LINS1066 colours: R, G, B, W	1066	48	432	6449	3	N	1050
LS-2LINS1200 colours: R, G, B, W	1200	48	504	7800	4	N	1184
LS-2LINS2700 colours: R, G, B, W	2700	48	1080	16335	5	N	2684

Dimensions



Performance

