

Tunnel line scan light, fan cooled (SDL)

LS-SDL series · Line scan lights · 8 models



Tunnel line scan light with good parallelism and high luminance in a compact, stable and durable structure. Used for inspecting workpieces that need a uniform surface, together with a line scan camera.

Features

- Good parallelism, high luminance
- Compact, stable, durable structure
- Used with line scan cameras on workpieces needing uniform surface lighting
- Usage: general, or used with a coaxial line scan light
- Customizable: length, colour & colour temperature, cable length, installation method

Applications

- PCB printing inspection
- Vacuum packing inspection
- Metal surface inspection
- Glass surface gloss inspection
- Reflective package character print 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-2APC (as printed)
Voltage	24 V DC (SDL1000: 48 V)

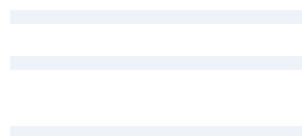
Height (mm)	84 (88.7-89 overall)
Cable	500 mm (SDL1000: 1000 mm)
Operating environment	Temperature 0-50 °C, humidity 20-85% (non-condensing)
Life-span	50000 h (to 50% of factory-default luminance)
Extension cable options	PVC extension cable (flexible, bend and heat resistant, for use inside equipment); 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)	120-1000
Recommended working distance	5-200 mm
FOV	1-800 mm

Ordering code: LS-SDL<length of luminous zone>-<R/G/B/W/IR/UV>

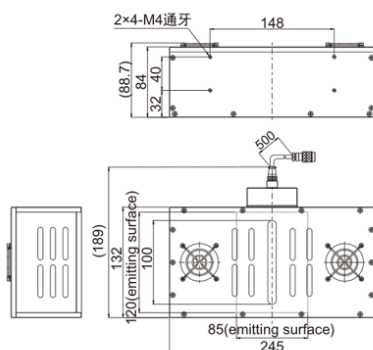
Models

Model	Voltage (V)	Power (W)	Weight (g)	Drawing no.	Common model	Emitting length (mm)	Emitting surface (mm)
LS-SDL120 colours: R, G, B, W	24	135	1994	1	Y	120	120 x 85
LS-SDL200 colours: R, G, B, W	24	168	2816	2	Y	200	200 x 85
LS-SDL260 colours: R, G, B, W	24	353	4250	3	N	260	260 x 85
LS-SDL350 colours: R, G, B, W	24	336	4928	4	Y	350	350 x 85
LS-SDL420 colours: R, G, B, W	24	336	5915	5	N	420	420 x 85
LS-SDL500 colours: R, G, B, W	24	470	7041	6	Y	500	500 x 85
LS-SDL23875 colours: R, G, B, W	24	202	3351	7	N	238	238 x 75
LS-SDL1000 colours: R, G, B, W	48	807	11400	8	N	1000	1000 x 85

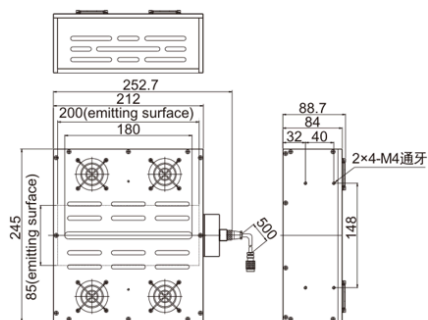
Dimensions



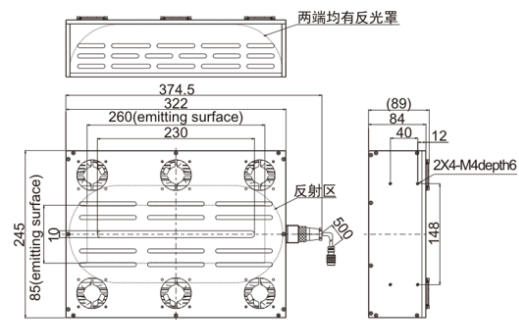
1.LS-SDL120



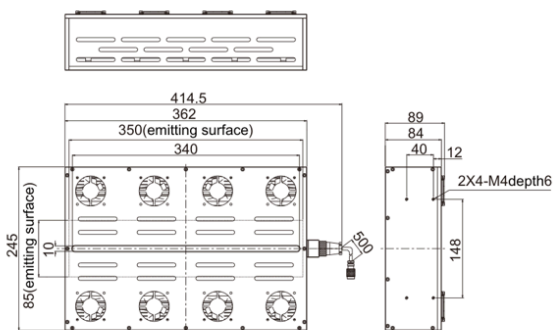
2.LS-SDL200



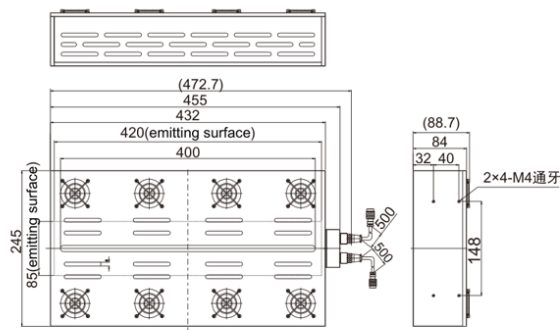
3.LS-SDL260



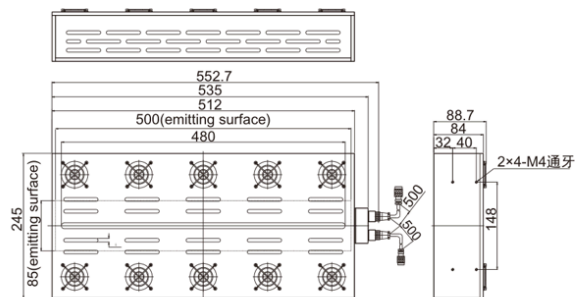
4.LS-SDL350



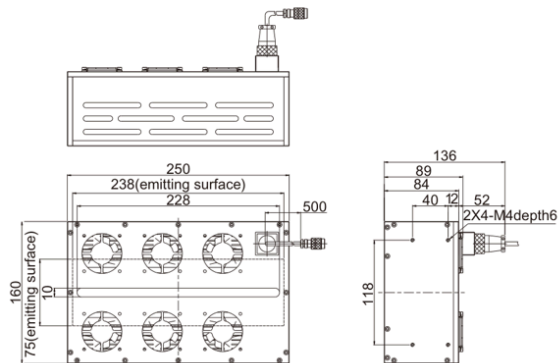
5.LS-SDL420



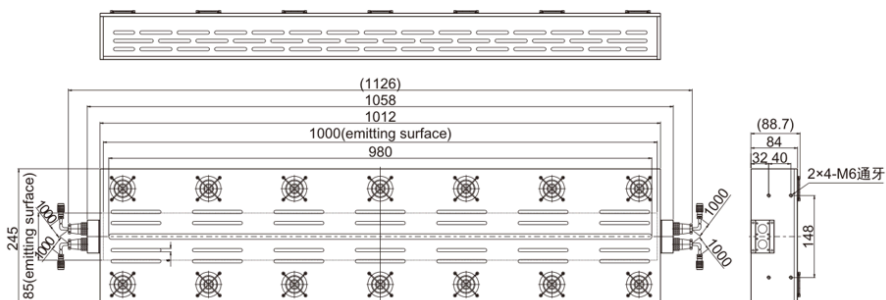
6.LS-SDL500



7.LS-SDL23875



8.LS-SDL1000



Performance

