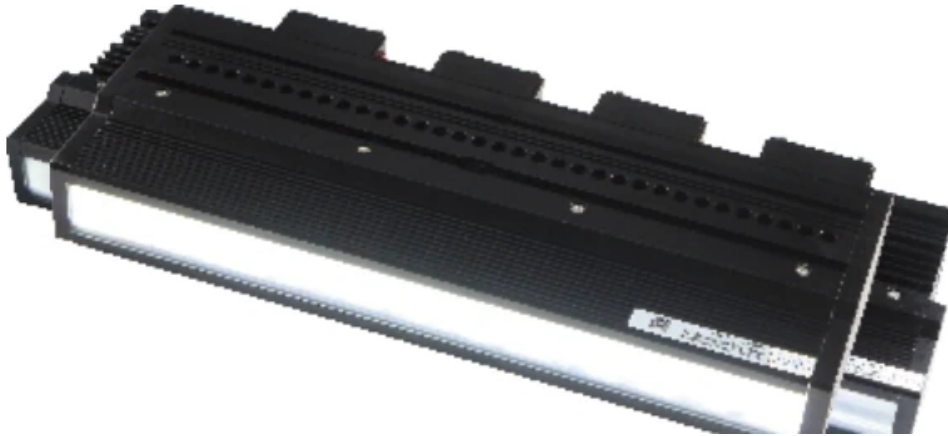


Natural cooling line scan light (3LIN)

LS-3LIN series · Line scan lights · 11 models



Line scan light using high power SMD LEDs with natural cooling and no fan; the standard model adds an optical film to improve uniformity. For dusty environments or where a fan would disturb the object.

Features

- High power SMD LEDs, high luminance
- Standard model adds an optical film to improve uniformity
- Natural cooling with no fan; length can be customized
- For dusty environments or where a fan interferes with the object
- Three types: standard (optical film, no suffix), high luminance (-N), high uniformity (-F)
- Customizable: heat dissipation method, length, colour & colour temperature, cable length, installation method

Applications

- Cloth printing defect inspection
- Sticky label defect inspection
- Release paper protective film position inspection
- Mobile screen film scratch inspection
- Li battery cell film defect inspection

Colours

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

Common specifications

Voltage	24 V / 48 V DC (by length)
Cooling	Natural 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 current controller LS-2APC; high power constant voltage controller LS-DPA
Cross-section (mm)	50 W x 116.23 H
Emitting width (mm)	24

Cable	500 mm
Mounting	M3 and M5 nut grooves around the housing
Installation	1) underside locked to the device through the mounting plate by M3 screws; 2) on the flank, M5 screws go through the mounting plate into M5 nuts in the screw groove
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)	84-2984
Recommended working distance	10-500 mm
FOV	1-2700 mm

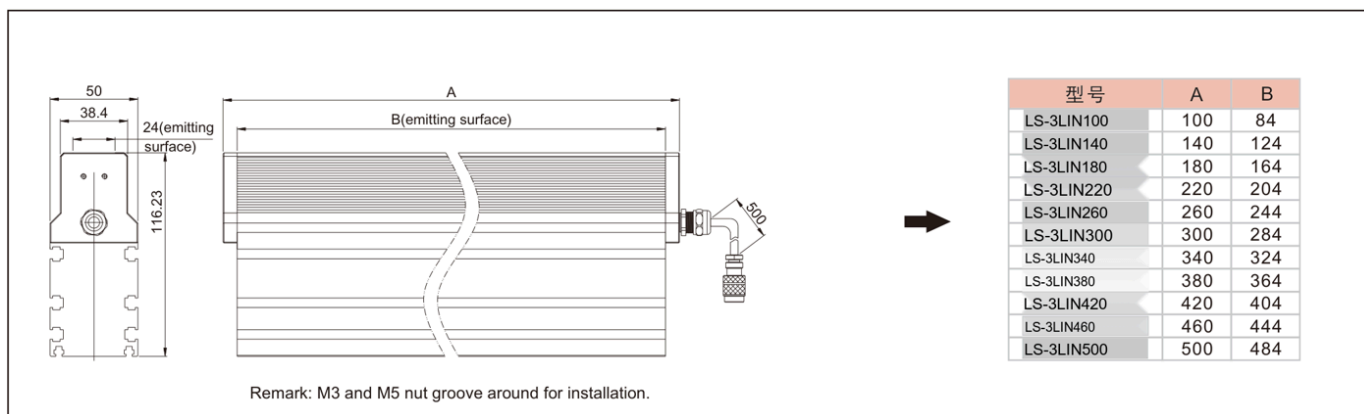
Ordering code: LS-3LIN<overall length>-<R/G/B/W/IR/UV> (+ -N high luminance / -F high uniformity)

Models

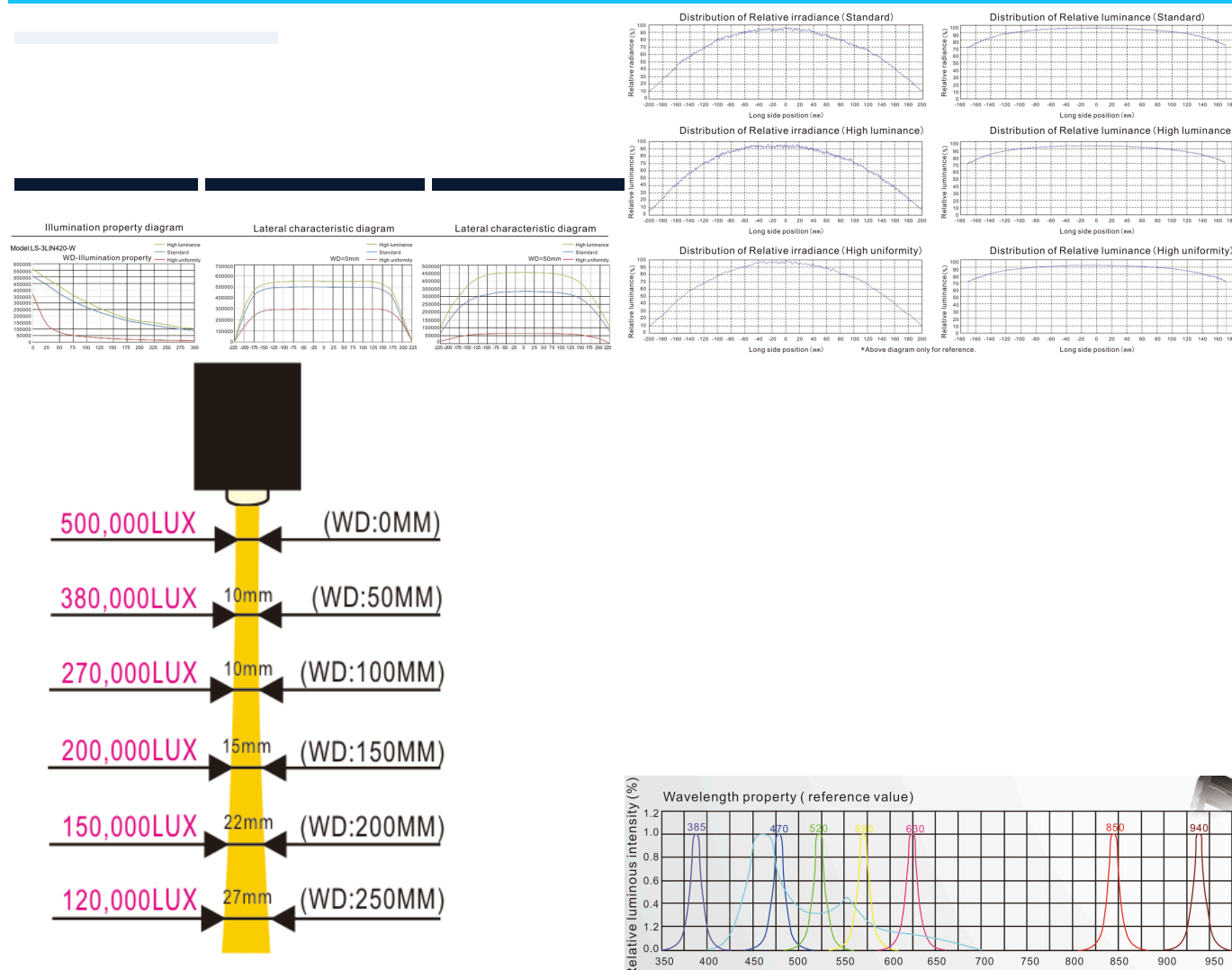
Model	Overall length A (mm)	Emitting length B (mm)	Power (W)	Weight (g)
LS-3LIN100 colours: R, G, B, W	100	84	14.4	853
LS-3LIN140 colours: R, G, B, W	140	124	21.6	1088
LS-3LIN180 colours: R, G, B, W	180	164	28.8	1324
LS-3LIN220 colours: R, G, B, W	220	204	36.0	1557
LS-3LIN260 colours: R, G, B, W	260	244	43.2	1794
LS-3LIN300 colours: R, G, B, W	300	284	50.4	2029
LS-3LIN340 colours: R, G, B, W	340	324	57.6	2264
LS-3LIN380 colours: R, G, B, W	380	364	64.8	2497
LS-3LIN420 colours: R, G, B, W	420	404	72.0	2733
LS-3LIN460 colours: R, G, B, W	460	444	79.2	2968
LS-3LIN500 colours: R, G, B, W	500	484	86.4	3204

More values per model (Voltage (V), Drawing no., Common model, Variants, Remark) are on each product page.

Dimensions



Performance



Product views

