

Compact line scan light, natural cooling (3LINL)

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



Compact line scan light using high power SMD LEDs, only 30 mm wide with natural cooling; the standard model adds an optical film to improve uniformity. For applications with limited space and lower luminance requirements.

Features

- High power SMD LEDs, high luminance
- Compact, only 30 mm wide, natural cooling
- Standard model adds an optical film to improve uniformity
- Cost-effective; length can be customized
- For applications with space limitation and low luminance requirements
- 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

- Display surface dust inspection
- Label surface defect inspection
- Packaging carton 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)	30 W x 64 H

Emitting width (mm)	17
Cable	500 mm
Mounting	M3 nut groove; mounting plate with M3 screws
Installation	1) underside locked to the device through the mounting plate by M3 screws; 2) on the flank, M3 screws go through the mounting plate into M3 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	10-300 mm
FOV	1-2700 mm

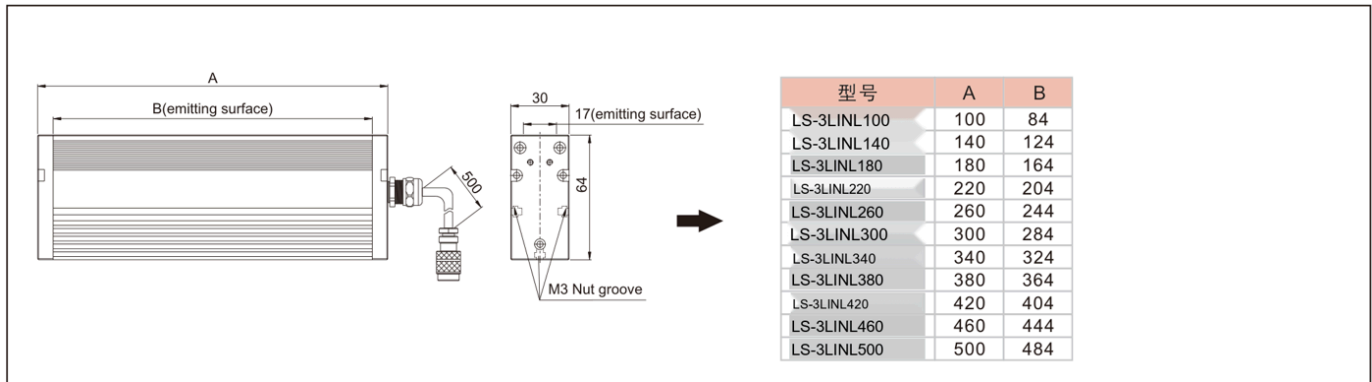
Ordering code: LS-3LINL<overall length>-<R/G/B/W/IR/UV> (+ -N high luminance / -F high uniformity)

Models

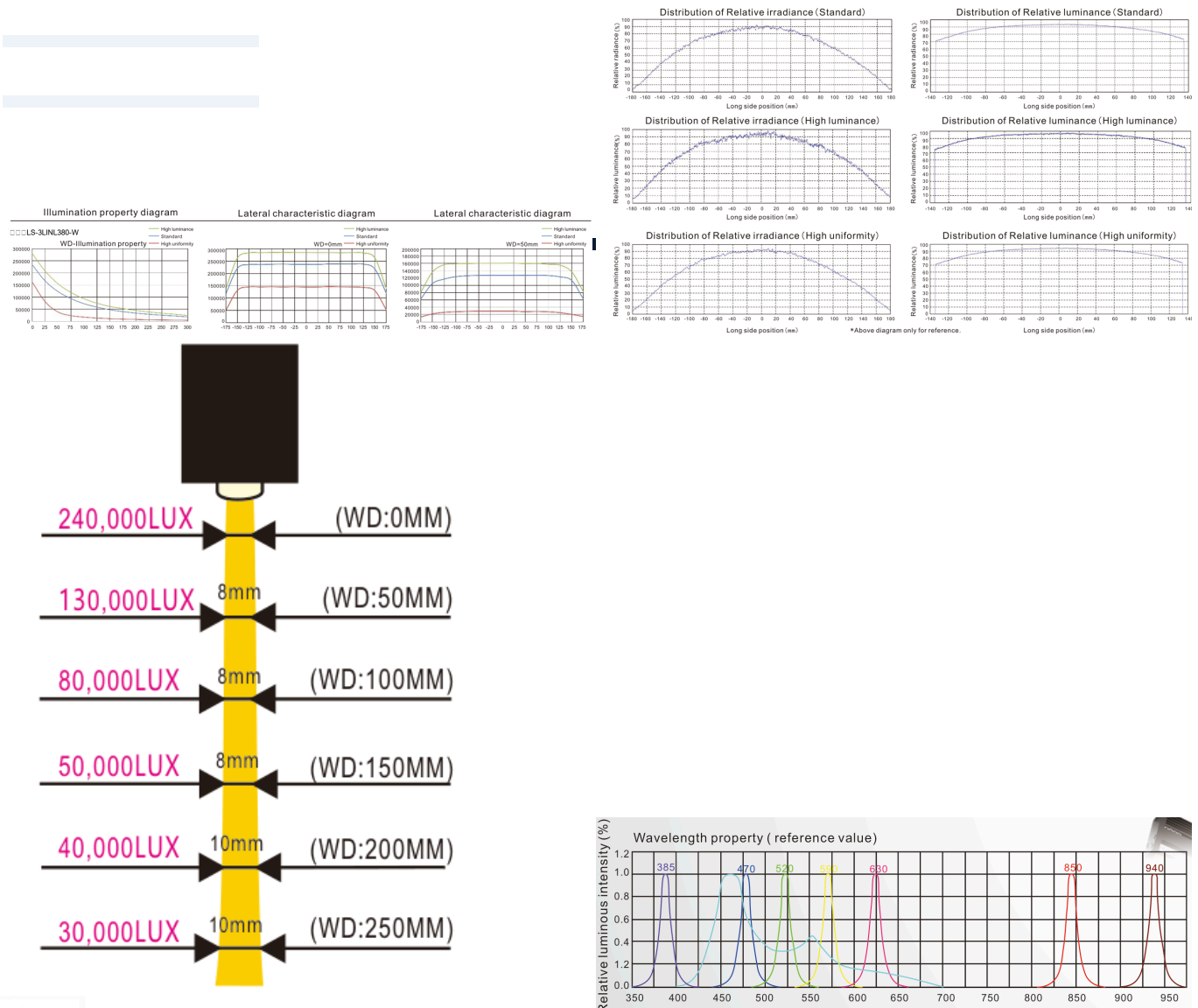
Model	Overall length A (mm)	Emitting length B (mm)	Power (W)	Weight (g)
LS-3LINL100 colours: R, G, B, W	100	84	6.3	474
LS-3LINL140 colours: R, G, B, W	140	124	9.4	561
LS-3LINL180 colours: R, G, B, W	180	164	12.5	647
LS-3LINL220 colours: R, G, B, W	220	204	15.6	734
LS-3LINL260 colours: R, G, B, W	260	244	18.8	818
LS-3LINL300 colours: R, G, B, W	300	284	21.9	907
LS-3LINL340 colours: R, G, B, W	340	324	25.0	994
LS-3LINL380 colours: R, G, B, W	380	364	28.1	1080
LS-3LINL420 colours: R, G, B, W	420	404	31.2	1167
LS-3LINL460 colours: R, G, B, W	460	444	34.4	1254
LS-3LINL500 colours: R, G, B, W	500	484	37.5	1340

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

Dimensions



Performance



Product views

