

Ultra bright line scan light, fan cooled (3LINH)

LS-3LINH series · Line scan lights · 10 models

Ultra bright line scan light whose light outlet luminance can reach 2,000,000 lux, with a special heat-dissipation structure and an optical film on the standard model to improve uniformity. Offered in standard, high-luminance (-N) and high-uniformity (-F) types.

Features

- Luminance at the light outlet can reach 2,000,000 lux
- Special heat-dissipation structure, convenient to replace
- Standard model adds an optical film to improve uniformity
- For applications with high luminance requirements
- Three types: standard (optical film, no suffix), high luminance (-N), high uniformity (-F); standard for general use, high uniformity for bright field, high luminance for dark field
- Customizable: heat dissipation method, length, colour & colour temperature, cable length, installation method

Applications

- PCB surface inspection
- Li battery coating defect inspection
- Leather surface defect inspection
- Mobile screen film scratch inspection (dark/bright field)
- 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	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 current controller LS-2APC; high power constant voltage controller LS-DPA
Cross-section (mm)	50 W x 107 H body; 145.46 H overall
Emitting width (mm)	24
Cable	3000 mm
Mounting	4-M5 depth 6; mounting plate with M3/M5 screws and nuts in screw groove
Installation	1) end face locked to the device through the mounting plate by M3 screws; 2) on the flank, M3 and M5 screws go through the mounting plate into M3/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

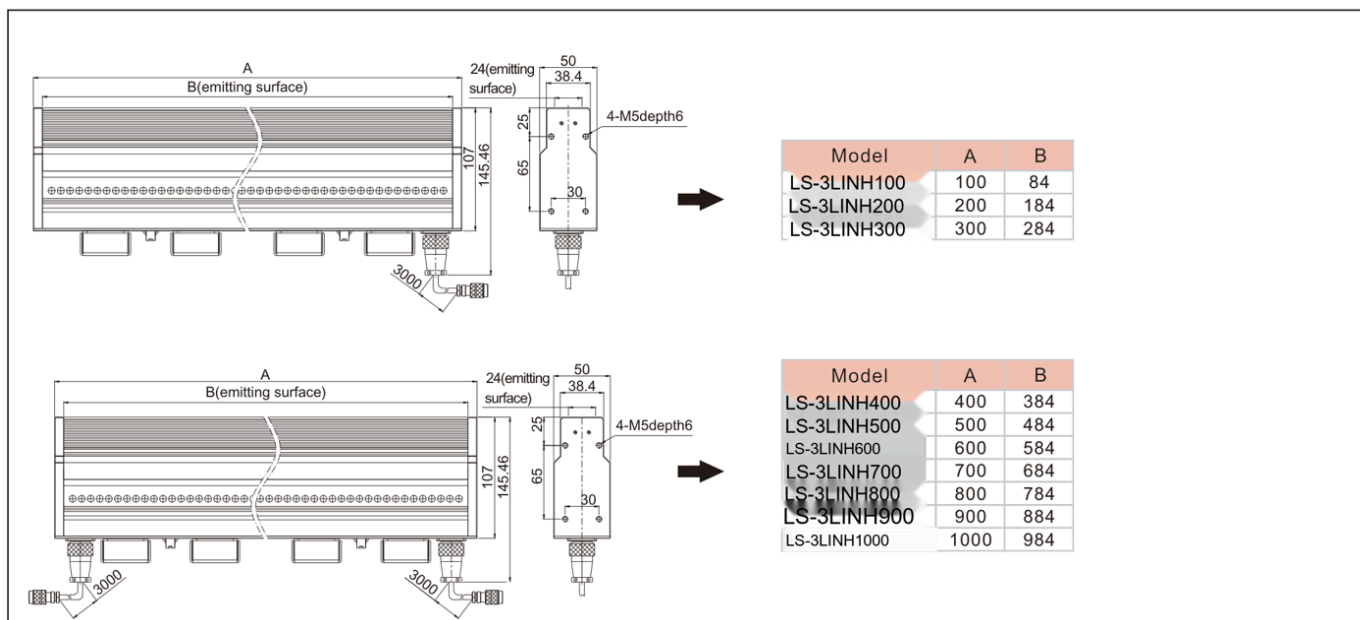
Ordering code: LS-3LINH<overall length>-<R/G/B/W/IR/UV> (+ -N high luminance / -F high uniformity)

Models

Model	Overall length A (mm)	Emitting length B (mm)	Voltage (V)	Power (W)	Weight (g)	Drawing no.
LS-3LINH100 colours: R, G, B, W	100	84	24	48	1056	1
LS-3LINH200 colours: R, G, B, W	200	184	24	144	1706	1
LS-3LINH300 colours: R, G, B, W	300	284	24	216	2356	1
LS-3LINH400 colours: R, G, B, W	400	384	24	288	3006	2
LS-3LINH500 colours: R, G, B, W	500	484	24	336	3656	2
LS-3LINH600 colours: R, G, B, W	600	584	48	384	4306	2
LS-3LINH700 colours: R, G, B, W	700	684	48	432	4955	2
LS-3LINH800 colours: R, G, B, W	800	784	48	480	5605	2
LS-3LINH900 colours: R, G, B, W	900	884	48	576	6255	2
LS-3LINH1000 colours: R, G, B, W	1000	984	48	576	6905	2

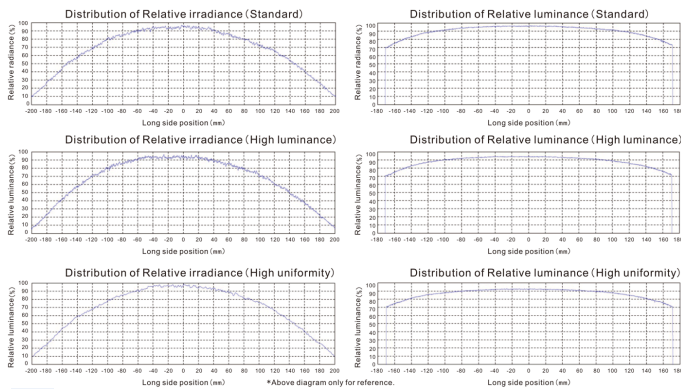
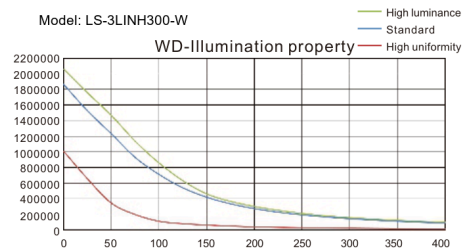
More values per model (Common model, Variants, Remark) are on each product page.

Dimensions

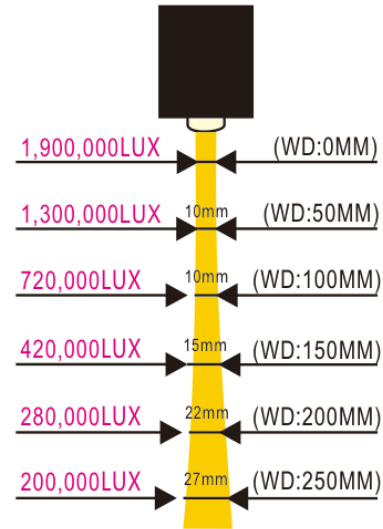
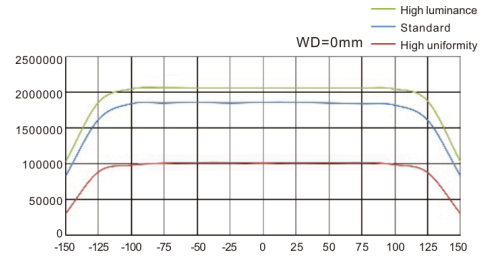


Performance

Illumination property diagram



Lateral characteristic diagram



Product views



