

Line light (HLSL)

LS-HLSL series · Line scan lights · 10 models

Line light using high-power, high-brightness LEDs and a special lens to form a bright, highly uniform light band; the illuminated width can be designed to suit the inspected feature. Length up to 3 m; the best partner for line scan cameras.



Features

- High-speed, large-format line illumination at longer working distances
- Length up to 3 m
- P versions: fan cooled, high brightness, 48 V

Applications

- Defects on large-format print surfaces; large-size precision measurement; PCB print quality
- Cigarette pack shape and silk-screen appearance
- Parcel sorting; printed characters on cartons of large appliances such as fridges and washing machines

Colours

R	620–630 nm
---	------------

G	525 nm
B	470 nm
W	5000-8000 K

Common specifications

Cable length (mm)	500
Mounting	2 x 4-M4 mounting nuts (position adjustable), 2x2-M5 threads depth 6 (per drawing)
Operating environment	Ambient about 22 °C, operating temperature within 25 °C
Expected life	Red, white, blue and white (as printed): 20000 h continuous, decays to 60% (typical one-year decay 10-20%)
Support	1 year of free standard technical support; can be customised to the inspected feature, working distance, illumination angle and field of view

Ordering code: H-LSL-<emitting length mm>-<emitting width mm>-P-<colour> (example H-LSL-100-18-P-W; P = fan-cooled high-brightness 48 V version)

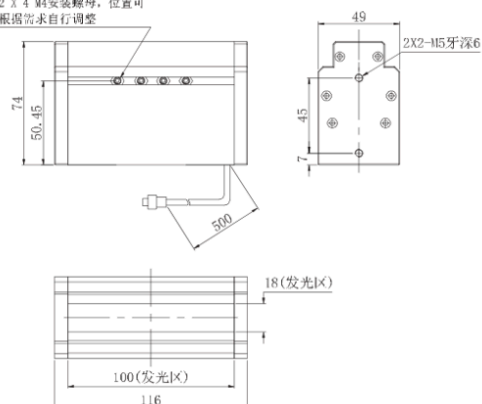
Models

Model	Emitting area (mm)	Power (W)	Recommended controllers	Voltage
LS-HLSL10018 colours: R, G, B, W	L 100 x W 18	10	HAPC2424P / HAPC2460P / HDPC2465D / HMDPC2480	-
LS-HLSL20018 colours: R, G, B, W	L 200 x W 18	20	HAPC2424P / HAPC2460P / HDPC2465D / HMDPC2480	-
LS-HLSL30018 colours: R, G, B, W	L 300 x W 18	30	HAPC2424P / HAPC2460P / HDPC2465D / HMDPC2480	-
LS-HLSL40018 colours: R, G, B, W	L 400 x W 18	40	HAPC2424P / HAPC2460P / HDPC2465D / HMDPC2480	-
LS-HLSL50018 colours: R, G, B, W	L 500 x W 18	50	HAPC2424P / HAPC2460P / HDPC2465D / HMDPC2480	-
LS-HLSL10018P colours: R, G, B, W	L 100 x W 18	40	HDPC48150D / HHDPC48500P	48 V
LS-HLSL20018P colours: R, G, B, W	L 200 x W 18	80	HDPC48150D / HHDPC48500P	48 V
LS-HLSL30018P colours: R, G, B, W	L 300 x W 18	120	HDPC48150D / HHDPC48500P	48 V
LS-HLSL40018P colours: R, G, B, W	L 400 x W 18	160	HDPC48150D / HHDPC48500P	48 V
LS-HLSL50018P colours: R, G, B, W	L 500 x W 18	200	HDPC48150D / HHDPC48500P	48 V

Dimensions

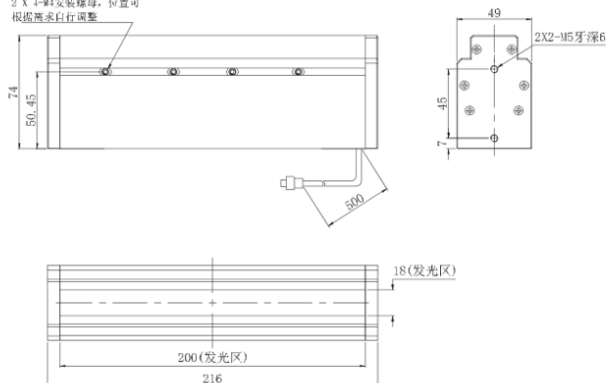
LS-HLSL10018

2 X 4 M4安装螺母，位置可根据需求自行调整



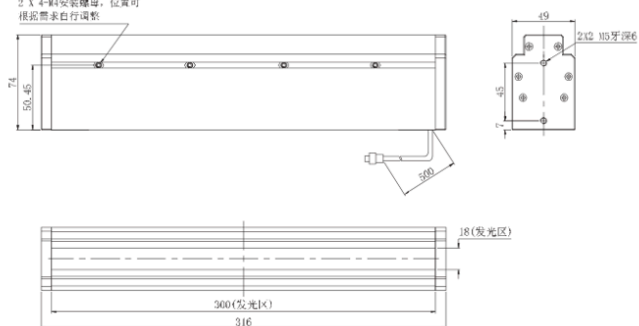
LS-HLSL20018

2 X 4-M4安装螺母，位置可根据需求自行调整



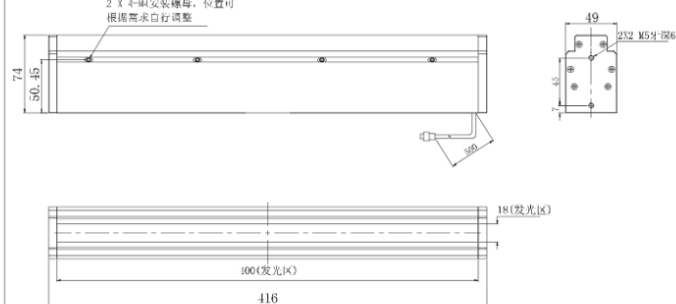
LS-HLSL30018

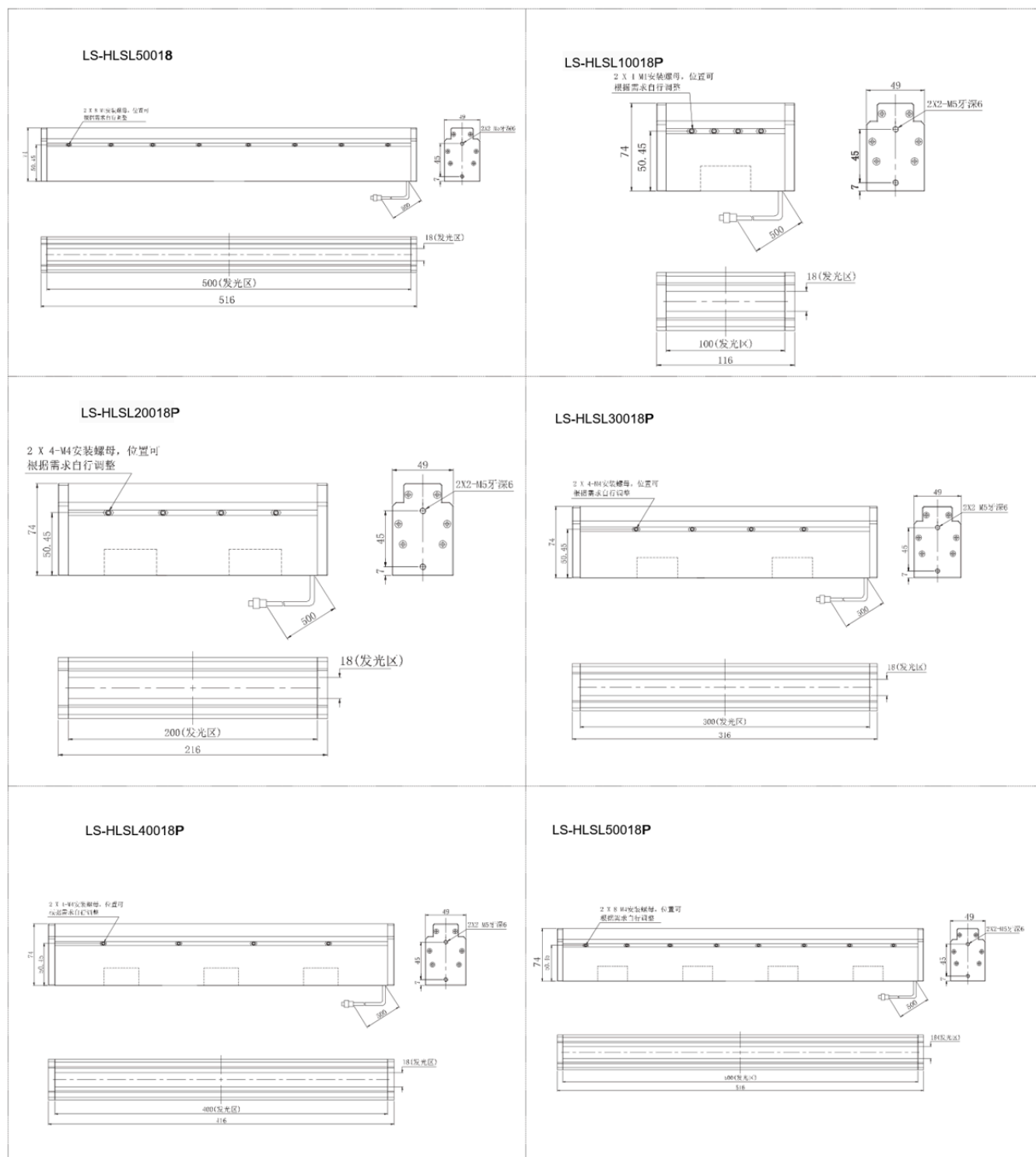
2 X 4-M4安装螺母，位置可根据需求自行调整



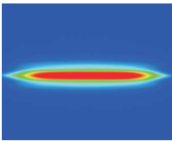
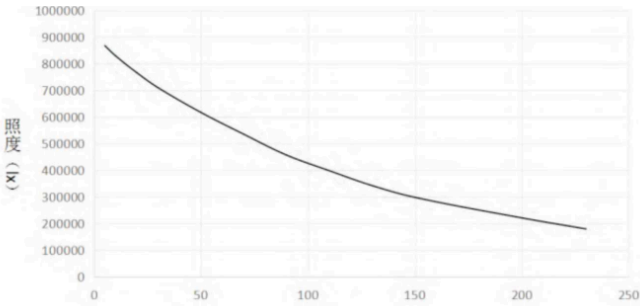
LS-HLSL40018

2 X 4-M4安装螺母，位置可根据需求自行调整

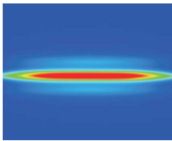




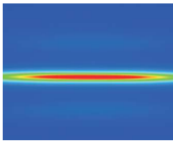
Performance



工作距离: 40mm



工作距离: 80mm



工作距离: 100mm