

Tunnel light (HNLDL)

LS-HNLDL-S series · Line scan lights · 6 models

Tunnel light with high uniformity and high brightness, compact and durable. Used where the object needs an evenly lit surface, together with a line scan camera; it combines the characteristics of a dome light and a bar light.

Features

- High uniformity and high brightness
- Compact, durable structure

Applications

- Line scan inspection in the textile industry; print quality inspection in the printing industry
- PCB character recognition, FPC gloss inspection, phone housing appearance inspection
- Paper surface print inspection, wafer 2D code inspection

Colours

R	620-630 nm
G	525 nm
B	470 nm
W	5000-8000 K (colour temperature)

Common specifications

Operating environment	Ambient about 22 °C; operating temperature within 25 °C
Expected lifetime	Red, white, blue and white light sources can be lit continuously for 20000 hours with light decay of 60% (about 10-20% decay after one year of normal lighting)
Support	All products come with one year of standard free technical support and can be customised to the object features, working distance, lighting angle and field of view

Ordering code: H-NLDL-<emitting length mm>-<emitting width mm>-<colour or wavelength> (example H-NLDL-100-70-W)

Models

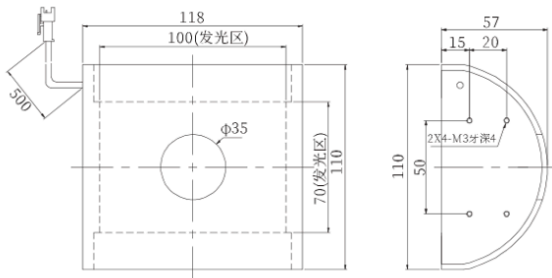
Model	Emitting area (mm)	Power, green / blue / white (W)	Power, red (W)	Suggested controller	Cable length (drawing, mm)	Connector (drawing)	Voltage
LS-HNLDL10070 colours: R, G, B, W	100 x 70	6	5	HAPC2424P	500	-	-
LS-HNLDL26070 colours: R, G, B, W	260 x 70	18	15	HAPC2424P	500	-	-
LS-HNLDL10288 colours: R, G, B, W	102 x 88	35	35	HDPC48150D	1500	dia. 19 4-pin aviation female connector (48 V)	48 V (connector label in drawing)
LS-HNLDL30288 colours: R, G, B, W	302 x 88	105	105	HDPC48150D	1500	dia. 19 4-pin aviation female connector (48 V)	48 V (connector label in drawing)

LS-HNLDL50288 colours: R, G, B, W	502 x 88	175	175	HDPC48500P	-	dia. 19 4-pin aviation female connector (48 V)	48 V (connector label in drawing)
LS-HNLDL80288 colours: R, G, B, W	802 x 88	280	280	HDPC48500P	1500	dia. 19 4-pin aviation female connector (48 V)	48 V (connector label in drawing)

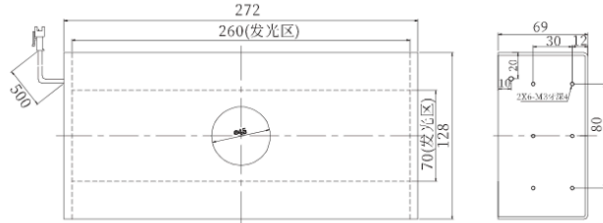
More values per model (Centre hole (drawing)) are on each product page.

Dimensions

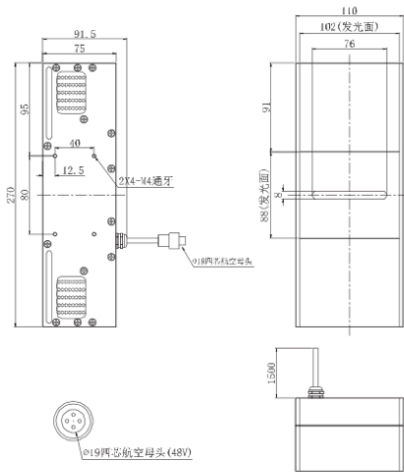
LS-HNLDL10070



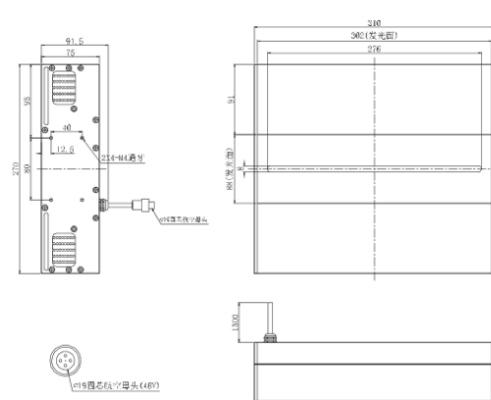
LS-HNLDL26070



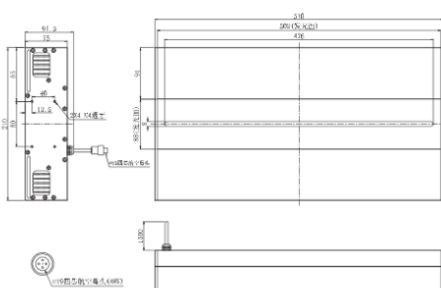
LS-HNLDL10288



LS-HNLDL30288



LS-HNLDL50288



LS-HNLDL80288

