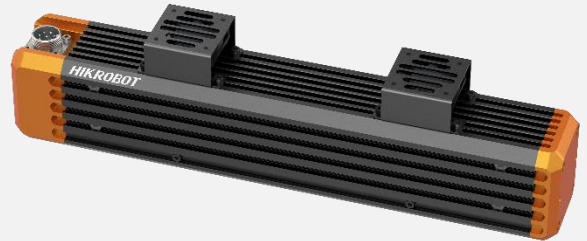


MV-LTDS-H

Line-Scan Light

MV-LTDS-H series line-scan lights adopt LED lamp beads with high brightness and high power, featuring flexible installation and efficient focusing. With the combination of structural cooling and fan cooling, every line-scan light offers excellent heat dissipation and service life.



Key Features

- Provides high-power LED lamp beads combined with a highly focusing structure to achieve the illuminance of up to 1000K lux on the surface of light source.
- Improves the service life of the light source with a cooling fan on the enclosure.
- Supports flexible installation with multi-side nut slots.

Applicable Industry

Glass surface scratch detection, printed character inspection, phone screen detection, and PCB (printed circuit board) defect detection.

Naming Rule

MV - LTDS - H - 100 - W

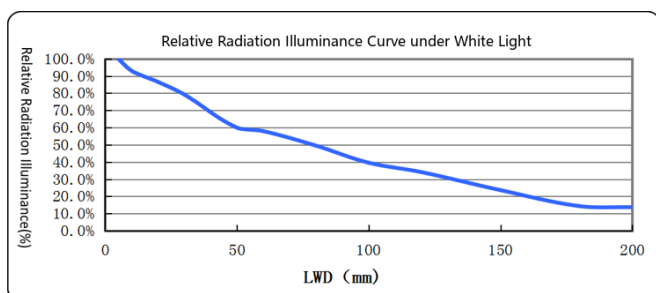
LTDS: line-scan light

H: Hikrobot style series

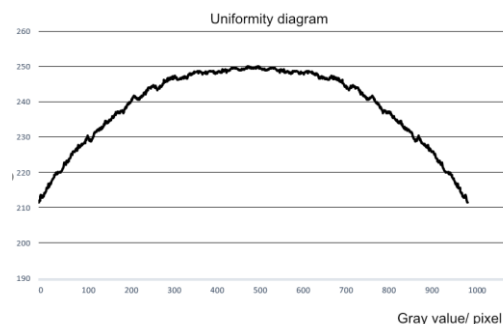
100: emitting area length (mm)

W: color (white, other customizable)

Relative Radiation Illuminance Curve



Uniformity Diagram



Lighting



Specification

Parameter Model	Performance		Mechanical				Electrical feature		
	Color	Best working distance	Dimension	Emitting area dimension	LED rows	Weight	Power	Input voltage	Connector type
MV-LTDS-H-100-W	White	10 mm to 200 mm	150 mm × 58 mm × 90.5 mm	100 mm × 17 mm	1	1.09 kg	42 W	48 VDC	19M-8H
MV-LTDS-H-200-W	White	10 mm to 200 mm	250 mm × 58 mm × 90.5 mm	200 mm × 17 mm	1	1.6 kg	84 W	48 VDC	19M-8H
MV-LTDS-H-300-W	White	10 mm to 200 mm	350 mm × 58 mm × 90.5 mm	300 mm × 17 mm	1	2.11 kg	126 W	48 VDC	19M-8H
MV-LTDS-H-400-W	White	10 mm to 200 mm	450 mm × 58 mm × 90.5 mm	400 mm × 17 mm	1	2.62 kg	168 W	48 VDC	19M-8H
MV-LTDS-H-500-W	White	10 mm to 200 mm	550 mm × 58 mm × 90.5 mm	500 mm × 17 mm	1	3.14 kg	210 W	48 VDC	19M-8H
MV-LTDS-H-600-W	White	10 mm to 200 mm	650 mm × 58 mm × 90.5 mm	600 mm × 17 mm	1	3.65 kg	252 W	48 VDC	19M-8H
MV-LTDS-H-700-W	White	10 mm to 200 mm	750 mm × 58 mm × 90.5 mm	700 mm × 17 mm	1	4.16 kg	294 W	48 VDC	19M-8H
MV-LTDS-H-800-W	White	10 mm to 200 mm	850 mm × 58 mm × 90.5 mm	800 mm × 17 mm	1	4.68 kg	336 W	48 VDC	19M-8H
MV-LTDS-H-900-W	White	10 mm to 200 mm	970 mm × 58 mm × 90.5 mm	900 mm × 17 mm	1	5.19 kg	378 W	48 VDC	Dual-channel 19M-8H
MV-LTDS-H-1000-W	White	10 mm to 200 mm	1070 mm × 58 mm × 90.5 mm	1000 mm × 17 mm	1	5.71 kg	420 W	48 VDC	Dual-channel 19M-8H
MV-LTDS-H-1100-W	White	10 mm to 200 mm	1170 mm × 58 mm × 90.5 mm	1100 mm × 17 mm	1	6.22 kg	462 W	48 VDC	Dual-channel 19M-8H
MV-LTDS-H-1200-W	White	10 mm to 200 mm	1270 mm × 58 mm × 90.5 mm	1200 mm × 17 mm	1	6.73 kg	504 W	48 VDC	Dual-channel 19M-8H
MV-LTDS-H-1300-W	White	10 mm to 200 mm	1370 mm × 58 mm × 90.5 mm	1300 mm × 17 mm	1	7.25 kg	546 W	48 VDC	Dual-channel 19M-8H
MV-LTDS-H-1400-W	White	10 mm to 200 mm	1470 mm × 58 mm × 90.5 mm	1400 mm × 17 mm	1	7.76 kg	588 W	48 VDC	Dual-channel 19M-8H
MV-LTDS-H-1500-W	White	10 mm to 200 mm	1570 mm × 58 mm × 90.5 mm	1500 mm × 17 mm	1	8.27 kg	630 W	48 VDC	Dual-channel 19M-8H

Other Parameters

Model Parameter	MV-LTDS-H Line-Scan Light
Performance	
Color temperature	6000K to 7000K
Center illuminance/irradiance	≥ 600K lux @ 100 mm
Mechanical	
Cable length	Additional options
Cooling mode	Fan cooling
Temperature	Working temperature: 0 °C to 40°C (32 °F to 104 °F) Storage temperature: -20 °C to 60 °C (-4 °F to 140 °F)
Humidity	20% RH to 90% RH (no condensation)

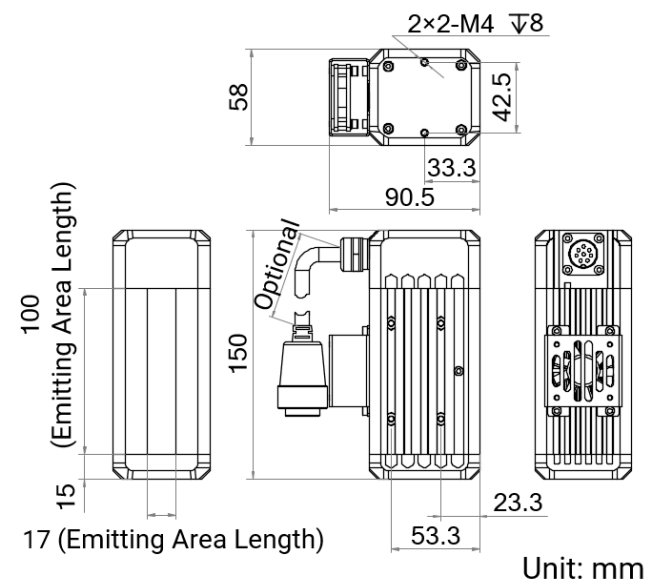
Accessories

Optional

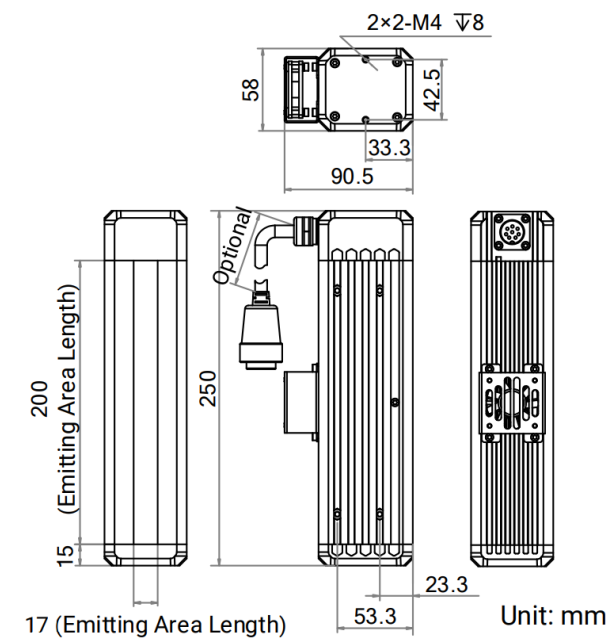
MV-LE201-200W48-2TD 200W, Standard Light Controller	MV-LE201-500W48-2TD 500W, Standard Light Controller	MV-LE201-750W48-2TD 750W, Standard Light Controller	MV-LE201-1200W48-2TD 1200W, Standard Light Controller	MV-LW-H Light Source Extension Cable, 19M-8A to 19M-8A (Gray, Length 1/3/5/10/15/30 Meters)
				

Dimension

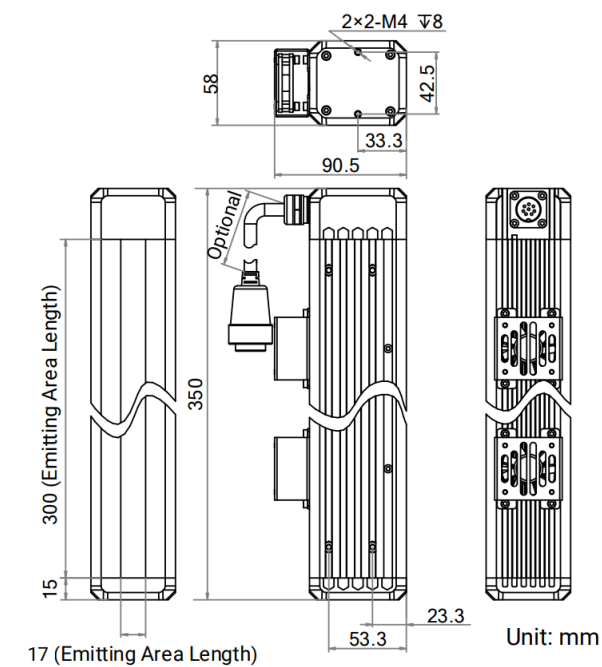
MV-LTDS-H-100-W



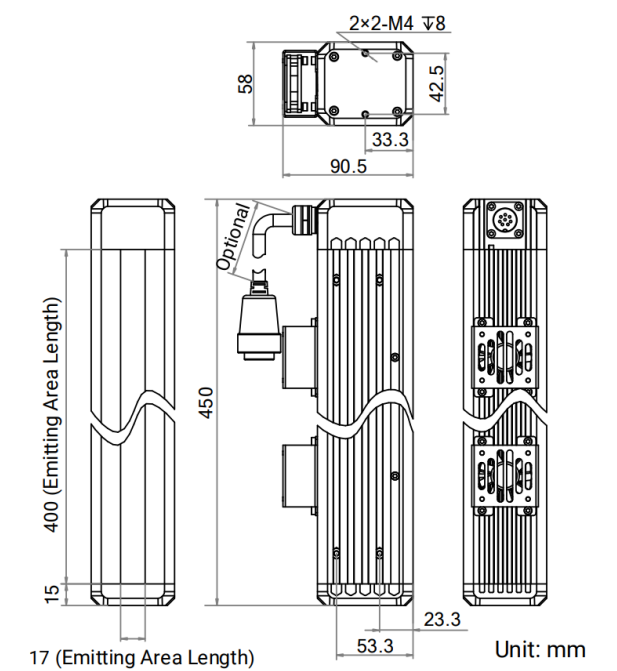
MV-LTDS-H-200-W



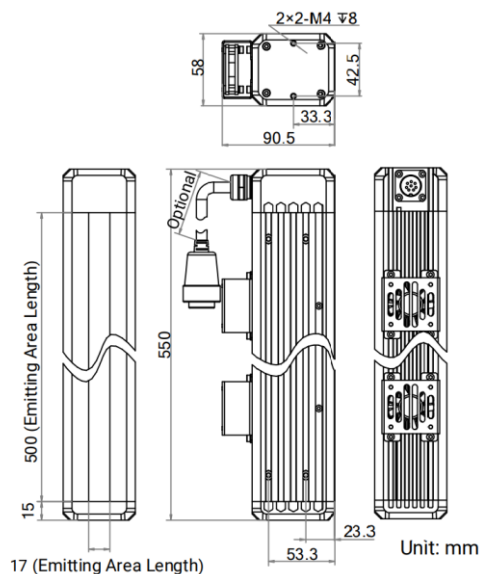
MV-LTDS-H-300-W



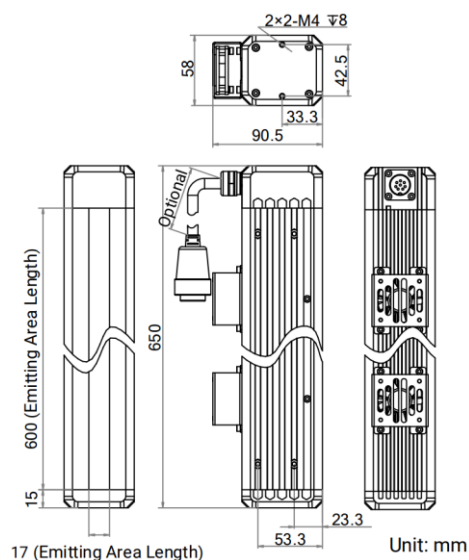
MV-LTDS-H-400-W



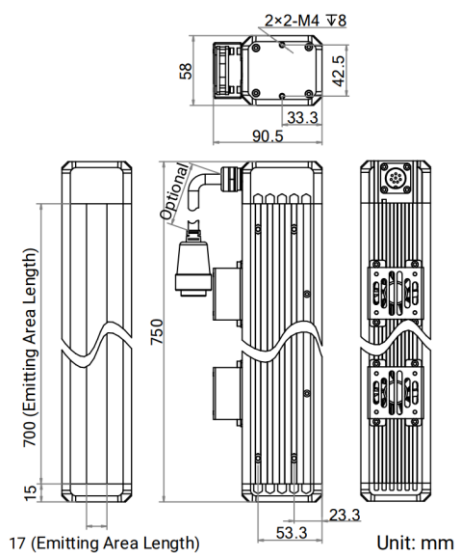
MV-LTDS-H-500-W



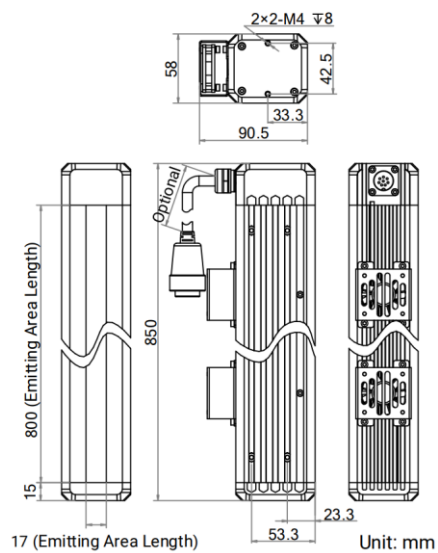
MV-LTDS-H-600-W



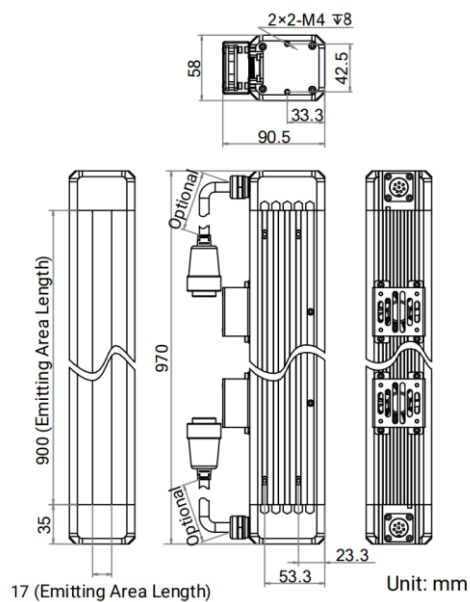
MV-LTDS-H-700-W



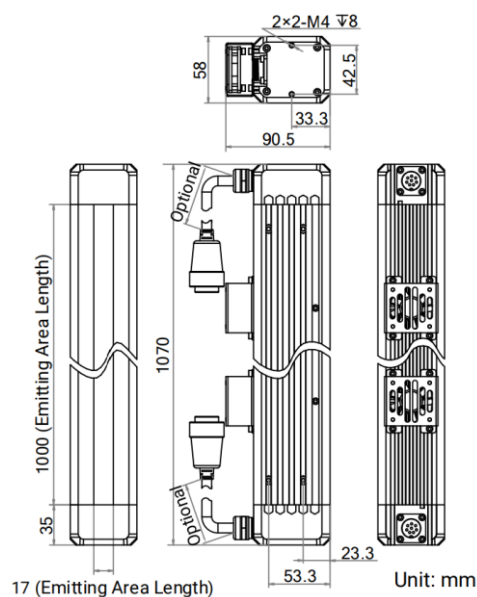
MV-LTDS-H-800-W



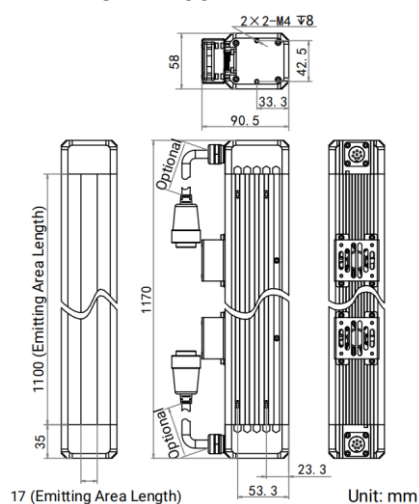
MV-LTDS-H-900-W



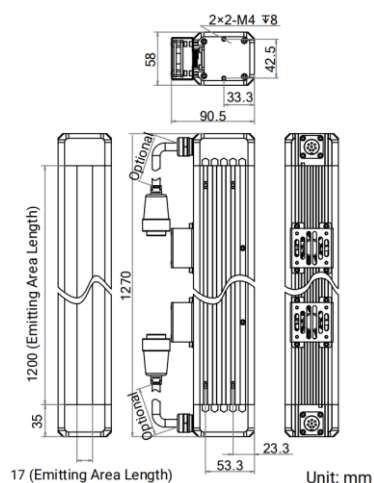
MV-LTDS-H-1000-W



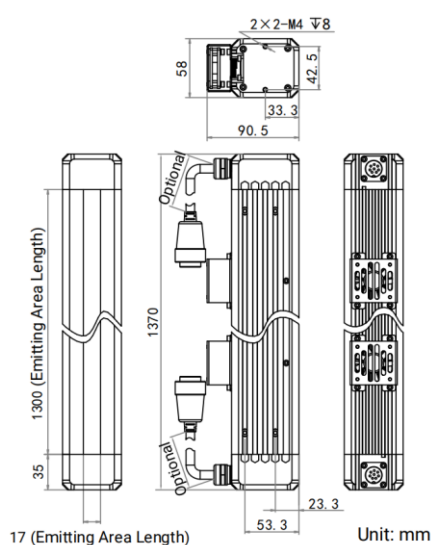
MV-LTDS-H-1100-W



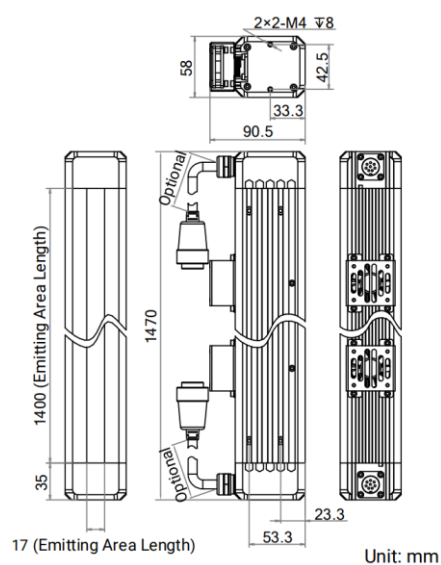
MV-LTDS-H-1200-W



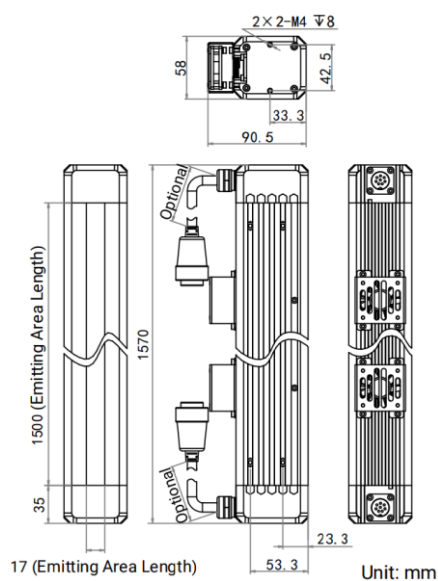
MV-LTDS-H-1300-W



MV-LTDS-H-1400-W



MV-LTDS-H-1500-W



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