

MV-LBES-H

Flat Light with Hole

MV-LBES-H flat light with hole, with opening design (circular hole/square hole) on the basis of standard flat light, achieves high brightness and uniform forward lighting, which is available in models with a variety of dimensions.



Key Features

- Adopts high-density array LED design.
- Adopts middle opening design (circular hole/square hole) to achieve forward lighting.
- Provides side mounting lugs to achieve flexible installation.

Naming Rule

MV - LBES - H - 50 - 50 - *

LBES: flat light with hole

H: Hikrobot style

50 - 50: emitting area dimension (mm)

*****: color

Applicable Industry

Printing materials / surface defects of workpiece, character recognition, edge positioning of component contour, etc.

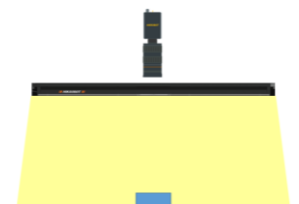
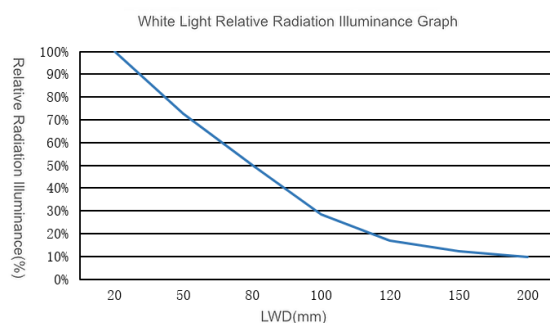
Illuminance Distribution

Image



Relative Radiation Illuminance Lighting

Curve under White Light



Specification

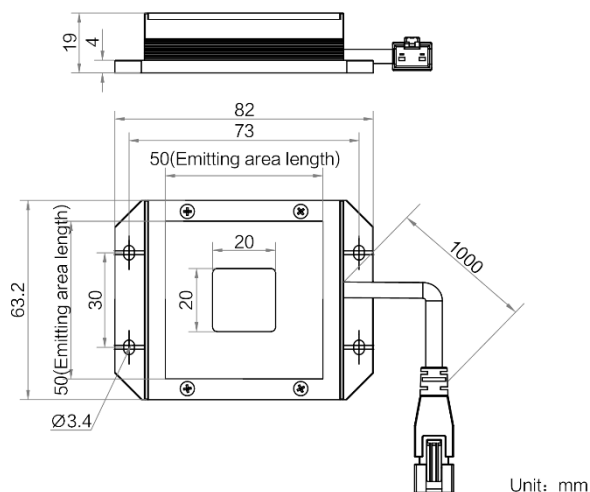
Parameter Model	Performance		Mechanical				Electrical feature		
	Color	Center illuminance/irradiance	Dimension	Emitting area dimension	Bore dimension	Weight	Power	Input voltage	Connector type
MV-LBES-H-50-50-W	White	≥ 1000 lux @ 200 mm	82 mm × 63.2 mm × 19 mm	50 mm × 50 mm	20 mm × 20 mm	0.2 kg	2.2 W	24 VDC	SMR-03V-B
MV-LBES-H-50-50-B	Blue	≥ 100 lux @ 200 mm	82 mm × 63.2 mm × 19 mm	50 mm × 50 mm	20 mm × 20 mm	0.2 kg	2 W	24 VDC	SMR-03V-B
MV-LBES-H-50-50-R	Red	≥ 150 lux @ 200 mm	82 mm × 63.2 mm × 19 mm	50 mm × 50 mm	20 mm × 20 mm	0.2 kg	1.7 W	24 VDC	SMR-03V-B
MV-LBES-H-100-100-W	White	≥ 7000 lux @ 200 mm	132 mm × 113 mm × 18 mm	100 mm × 100 mm	Φ40 mm	0.3 kg	12.2 W	24 VDC	SMR-03V-B
MV-LBES-H-100-100-B	Blue	≥ 700 lux @ 200mm	132 mm × 113 mm × 18 mm	100 mm × 100 mm	Φ40 mm	0.3 kg	11.1 W	24 VDC	SMR-03V-B
MV-LBES-H-100-100-R	Red	≥ 1200 lux @ 200mm	132 mm × 113 mm × 18 mm	100 mm × 100 mm	Φ40 mm	0.3 kg	8.7 W	24 VDC	SMR-03V-B
MV-LBES-H-120-120-W	White	≥ 9200 lux @ 200 mm	152 mm × 133 mm × 18 mm	120 mm × 120 mm	Φ40 mm	0.4 kg	18.3 W	24 VDC	SMR-03V-B
MV-LBES-H-120-120-B	Blue	≥ 920 lux @ 200mm	152 mm × 133 mm × 18 mm	120 mm × 120 mm	Φ40 mm	0.4 kg	16.6 W	24 VDC	SMR-03V-B
MV-LBES-H-120-120-R	Red	≥ 1500 lux @ 200mm	152 mm × 133 mm × 18 mm	120 mm × 120 mm	Φ40 mm	0.4 kg	13 W	24 VDC	SMR-03V-B
MV-LBES-H-150-150-W	White	≥ 14000 lux @ 200 mm	182 mm × 163 mm × 18 mm	150 mm × 150 mm	Φ45 mm	0.5 kg	28.2 W	24 VDC	SMR-03V-B
MV-LBES-H-150-150-B	Blue	≥ 1400 lux @ 200mm	182 mm × 163 mm × 18 mm	150 mm × 150 mm	Φ45 mm	0.5 kg	27.8 W	24 VDC	SMR-03V-B
MV-LBES-H-150-150-R	Red	≥ 2300 lux @ 200mm	182 mm × 163 mm × 18 mm	150 mm × 150 mm	Φ45 mm	0.5 kg	20.4 W	24 VDC	SMR-03V-B
MV-LBES-H-200-200-W	White	≥ 27000 lux @ 200 mm	232 mm × 213 mm × 18 mm	200 mm × 200 mm	Φ45 mm	0.8 kg	50.5 W	24 VDC	SMR-03V-B
MV-LBES-H-200-200-B	Blue	≥ 2700 lux @ 200 mm	232 mm × 213 mm × 18 mm	200 mm × 200 mm	Φ45 mm	0.8 kg	43.9 W	24 VDC	SMR-03V-B
MV-LBES-H-200-200-R	Red	≥ 4500 lux @ 200 mm	232 mm × 213 mm × 18 mm	200 mm × 200 mm	Φ45 mm	0.8 kg	35.1 W	24 VDC	SMR-03V-B
MV-LBES-H-250-150-W	White	≥ 22000 lux @ 200 mm	282 mm × 163 mm × 19 mm	250 mm × 150 mm	Φ50 mm	0.8 kg	41 W	24 VDC	SMR-03V-B
MV-LBES-H-250-200-W	White	≥ 25000 lux @ 200 mm	282 mm × 213 mm × 19 mm	250 mm × 200 mm	Φ60 mm	1 kg	53 W	24 VDC	SMR-03V-B
MV-LBES-H-250-250-W	White	≥ 28000 lux @ 200 mm	282 mm × 263 mm × 19 mm	250 mm × 250 mm	Φ50 mm	1.1 kg	59 W	24 VDC	SMR-03V-B
MV-LBES-H-250-250-R	Red	≥ 4500 lux @ 200 mm	282 mm × 263 mm × 19 mm	250 mm × 250 mm	Φ50 mm	1.1 kg	48 W	24 VDC	SMR-03V-B
MV-LBES-H-250-250-IR940	Infrared	≥ 5000 uW/cm ² @ 200 mm	282 mm × 263 mm × 19 mm	250 mm × 250 mm	Φ50 mm	1.1 kg	52 W	24 VDC	SMR-03V-B
MV-LBES-H-300-200-W	White	≥ 27000 lux @ 200 mm	332 mm × 213 mm × 19 mm	300 mm × 200 mm	Φ50 mm	1.2 kg	59.1 W	24 VDC	SMR-03V-B
MV-LBES-H-300-200-IR940	Infrared	≥ 7000 uW/cm ² @ 200 mm	332 mm × 213 mm × 19 mm	300 mm × 200 mm	Φ50 mm	1.2 kg	43.2 W	24 VDC	SMR-03V-B
MV-LBES-H-300-300-W	White	≥ 30000 lux @ 200 mm	338 mm × 315 mm × 21 mm	300 mm × 300 mm	80 mm × 80 mm	2 kg	85 W	24 VDC	12M-2A
MV-LBES-H-300-300-B	Blue	≥ 3000 lux @ 200mm	338 mm × 315 mm × 21 mm	300 mm × 300 mm	80 mm × 80 mm	2 kg	66.7 W	24 VDC	12M-2A
MV-LBES-H-300-300-R	Red	≥ 5000 lux @ 200mm	338 mm × 315 mm × 21 mm	300 mm × 300 mm	80 mm × 80 mm	2 kg	58.4 W	24 VDC	12M-2A
MV-LBES-H-400-300-W	White	≥ 30000 lux @ 200 mm	438 mm × 315 mm × 21 mm	400 mm × 300 mm	Φ50 mm	2.7 kg	95 W	24 VDC	12M-2A
MV-LBES-H-400-300-B	Blue	≥ 3000 lux @ 200mm	438 mm × 315 mm × 21 mm	400 mm × 300 mm	Φ50 mm	2.7 kg	74 W	24 VDC	12M-2A
MV-LBES-H-400-300-R	Red	≥ 5000 lux @ 200mm	438 mm × 315 mm × 21 mm	400 mm × 300 mm	Φ50 mm	2.7 kg	63.7 W	24 VDC	12M-2A
MV-LBES-H-450-320-W	White	≥ 16000 lux @ 600 mm	488 mm × 335 mm × 21 mm	450 mm × 320 mm	Φ70 mm	3.2 kg	238.8 W	24 VDC	Dual-channel 19M-2A
MV-LBES-H-450-320-B	Blue	≥ 1600 lux @ 600 mm	488 mm × 335 mm × 21 mm	450 mm × 320 mm	Φ70 mm	3.2 kg	180.5 W	24 VDC	Dual-channel 19M-2A
MV-LBES-H-450-320-R	Red	≥ 2500 lux @ 600 mm	488 mm × 335 mm × 21 mm	450 mm × 320 mm	Φ70 mm	3.2 kg	158.4 W	24 VDC	Dual-channel 19M-2A
MV-LBES-H-600-400-W	White	≥ 13000 lux @ 600 mm	676 mm × 430 mm × 25 mm	600 mm × 400 mm	Φ50 mm	7.2 kg	211 W	24 VDC	Dual-channel 19M-2A
MV-LBES-H-600-400-B	Blue	≥ 1300 lux @ 600 mm	676 mm × 430 mm × 25 mm	600 mm × 400 mm	Φ50 mm	7.2 kg	160 W	24 VDC	Dual-channel 19M-2A
MV-LBES-H-600-400-R	Red	≥ 2200 lux @ 600 mm	676 mm × 430 mm × 25 mm	600 mm × 400 mm	Φ50 mm	7.2 kg	137 W	24 VDC	Dual-channel 19M-2A
MV-LBES-H-620-620-W	White	≥ 18000 lux @ 600 mm	696 mm × 650 mm × 25 mm	620 mm × 620 mm	Φ50 mm	10 kg	323 W	24 VDC	Dual-channel 19M-2A
MV-LBES-H-620-620-B	Blue	≥ 1800 lux @ 600 mm	696 mm × 650 mm × 25 mm	620 mm × 620 mm	Φ50 mm	10 kg	244 W	24 VDC	Dual-channel 19M-2A
MV-LBES-H-620-620-R	Red	≥ 3000 lux @ 600 mm	696 mm × 650 mm × 25 mm	620 mm × 620 mm	Φ50 mm	10 kg	242 W	24 VDC	Dual-channel 19M-2A

Other Parameters

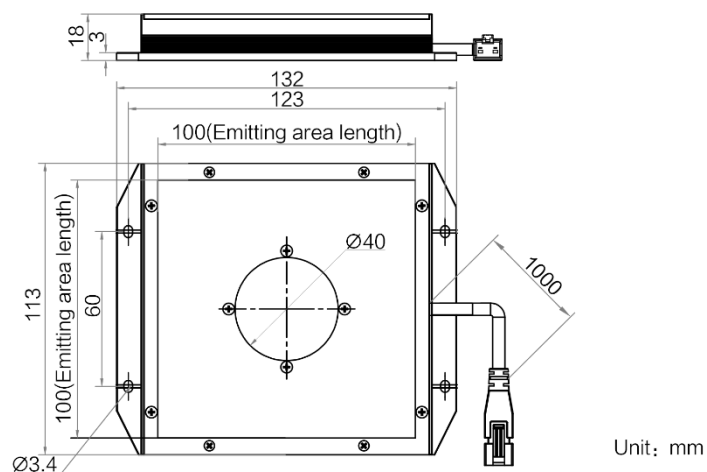
Parameter	Model	MV-LBES-H
		Flat Light with Hole
Performance		
Wavelength	B:	470 nm
	R:	625 nm
	IR940:	940 nm
Color temperature	W:	6000K to 7000K
Mechanical		
Cable length		1 m
Cooling mode		Natural cooling
Temperature	Working temperature:	0 °C to 40 °C (32 °F to 104 °F)
	Storage temperature:	-20 °C to 60 °C (-4 °F to 140 °F)
Humidity		20% RH to 90% RH (no condensation)
Diffuse plate included		Included

Dimension

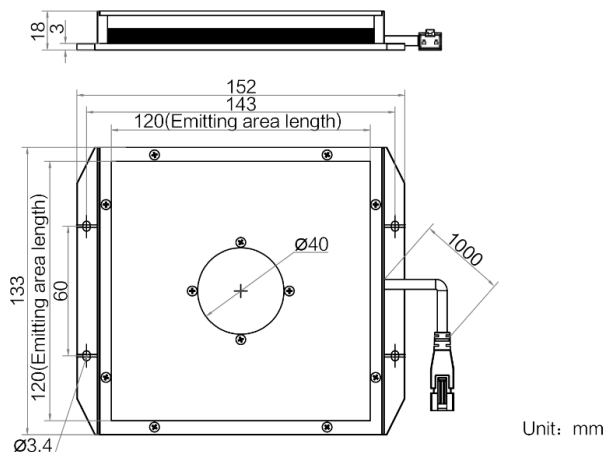
MV-LBES-H-50-50-*



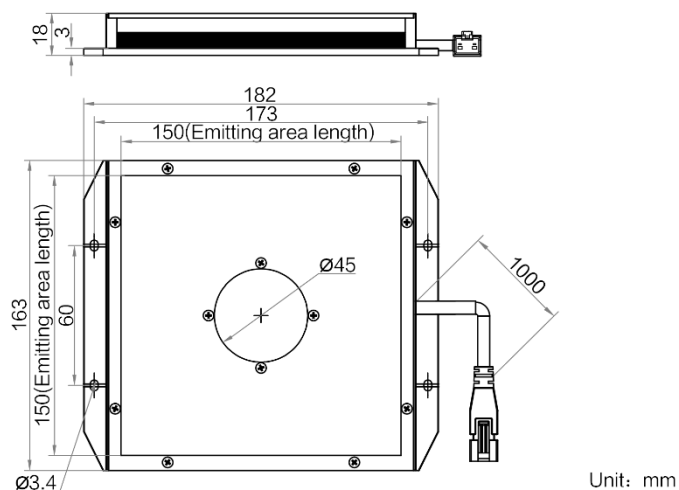
MV-LBES-H-100-100-*



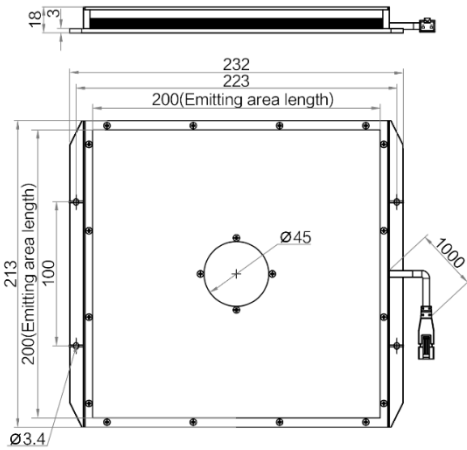
MV-LBES-H-120-120-*



MV-LBES-H-150-150-*

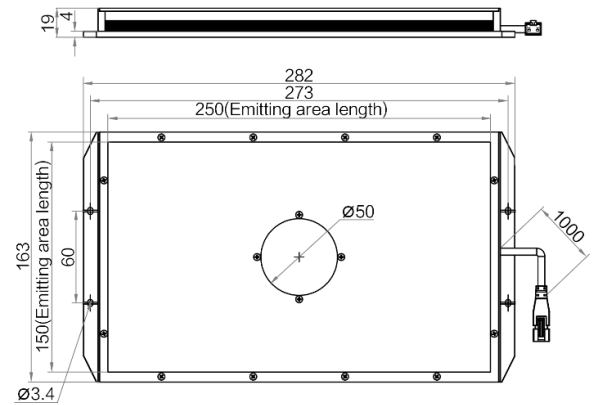


MV-LBES-H-200-200-*



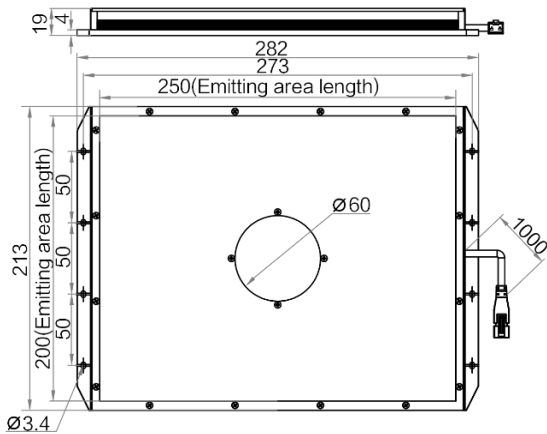
Unit: mm

MV-LBES-H-250-150-W



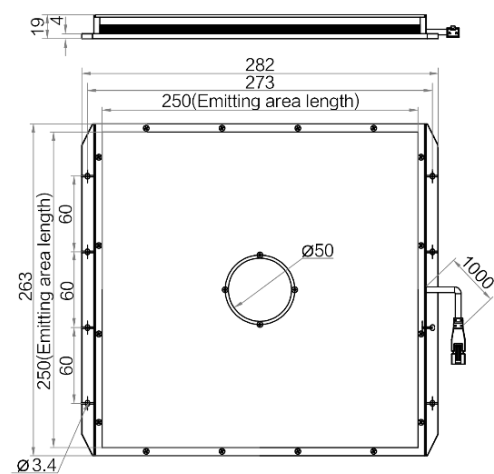
Unit: mm

MV-LBES-H-250-200-W



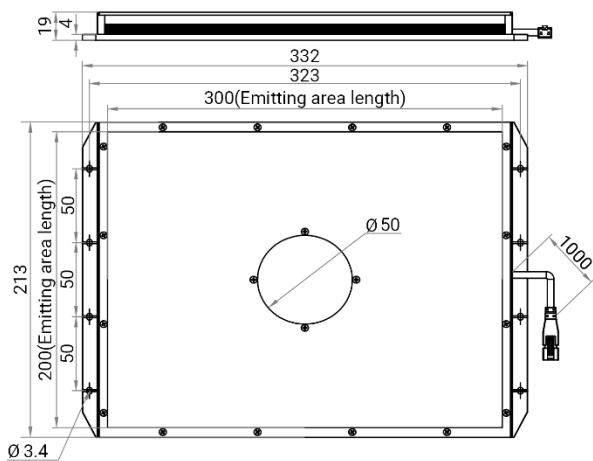
Unit: mm

MV-LBES-H-250-250-*



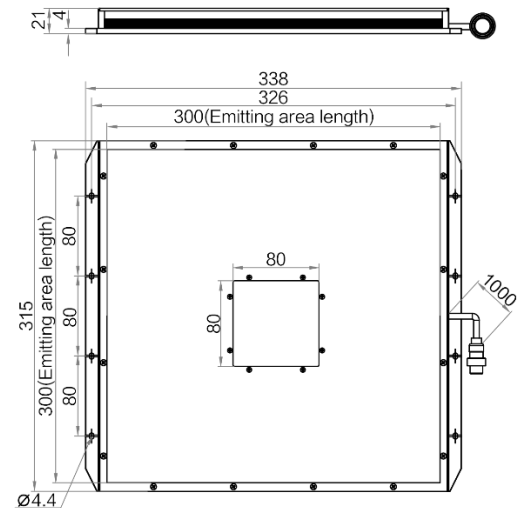
Unit: mm

MV-LBES-H-300-200-*



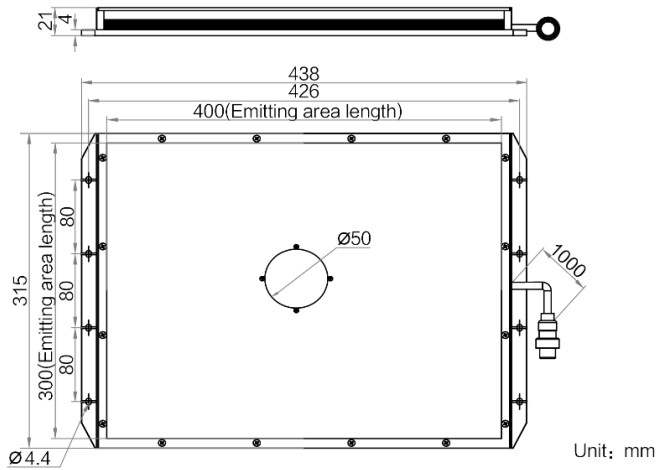
Unit: mm

MV-LBES-H-300-300-*

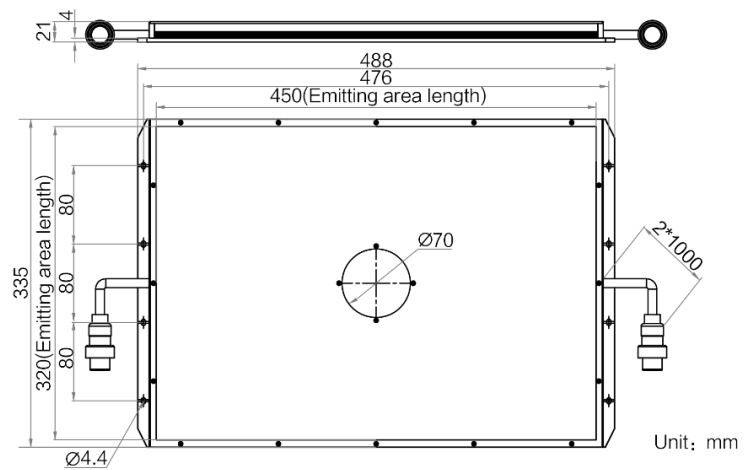


Unit: mm

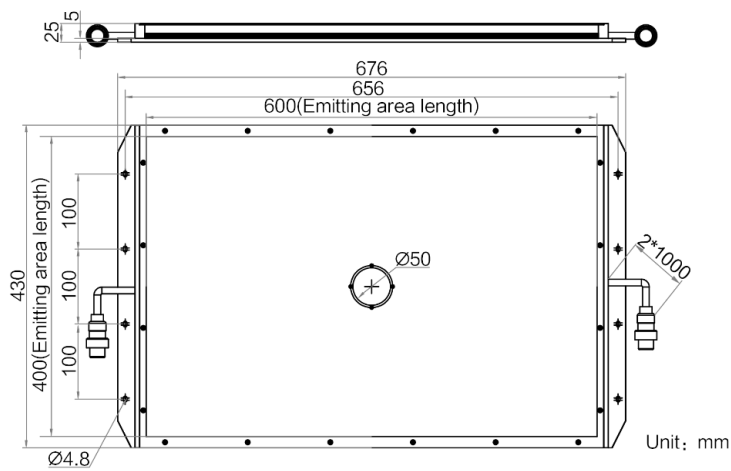
MV-LBES-H-400-300-*



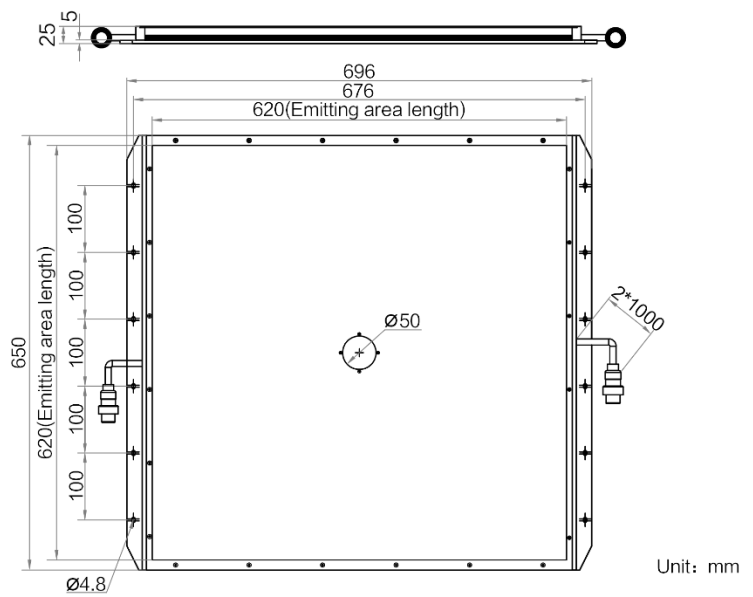
MV-LBES-H-450-320-*



MV-LBES-H-600-400-*



MV-LBES-H-620-620-*



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