

# MV-LBSS-H

## Standard Flat Light

MV-LBSS-H standard flat light adopts high-density array LED layout to provide high brightness, backplane light with large coverage. With excellent lighting uniformity, it is available in models with a variety of dimensions.



### Key Features

- Adopts high-density array LED design, and provides excellent lighting uniformity.
- Provides side mounting lugs to achieve flexible installation.

### Applicable Industry

Workpiece size / contour measurement, product positioning detection, flaw detection of transmitted objects, etc.

### Naming Rule

**MV - LBSS - H - 30 - 30 - \***

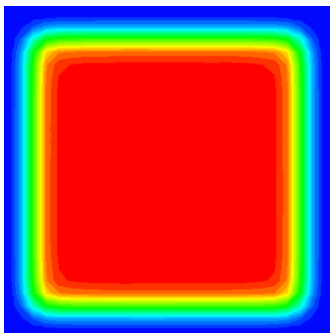
**LBSS**: standard flat light

**H**: Hikrobot style

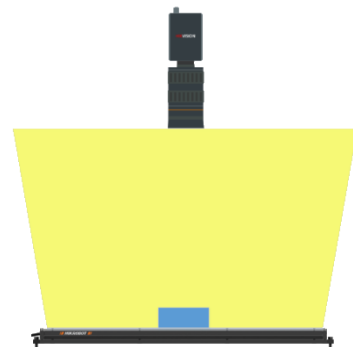
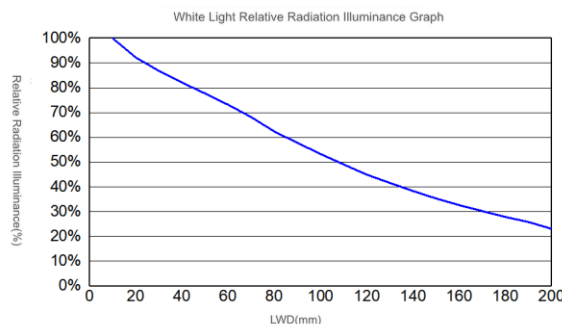
**30 - 30**: emitting area dimension (mm)

**\***: color

### Illuminance Distribution Image



### Relative Radiation Illuminance Lighting Curve under White Light

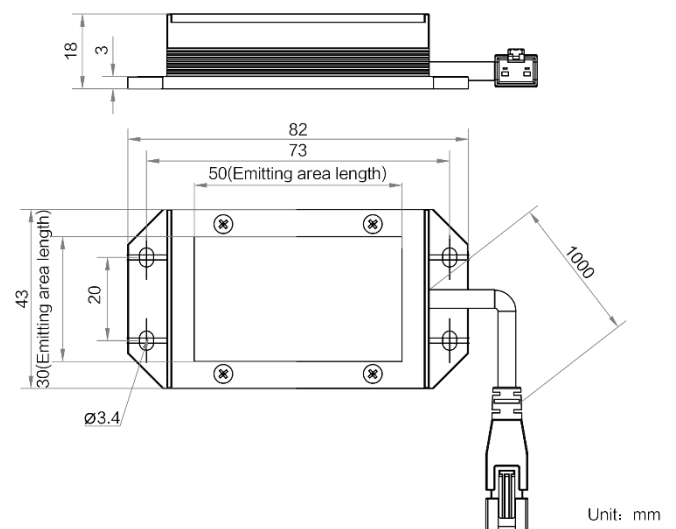


## Specification

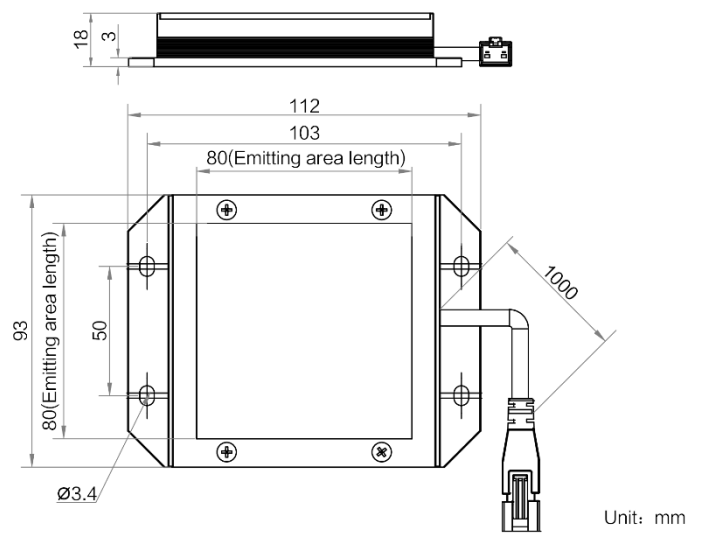
| Parameter<br>Model  | Performance |                               | Mechanical              |                         |         | Electrical feature |               |                |
|---------------------|-------------|-------------------------------|-------------------------|-------------------------|---------|--------------------|---------------|----------------|
|                     | Color       | Center illuminance/irradiance | Dimension               | Emitting area dimension | Weight  | Power              | Input voltage | Connector type |
| MV-LBSS-H-30-30-W   | White       | ≥ 2700 lux @ 100 mm           | 62 mm × 43 mm × 18 mm   | 30 mm × 30 mm           | 0.09 kg | 2.4 W              | 24 VDC        | SMR-03V-B      |
| MV-LBSS-H-30-30-B   | Blue        | ≥ 270 lux @ 100 mm            | 62 mm × 43 mm × 18 mm   | 30 mm × 30 mm           | 0.09 kg | 1.9 W              | 24 VDC        | SMR-03V-B      |
| MV-LBSS-H-30-30-R   | Red         | ≥ 450 lux @ 100 mm            | 62 mm × 43 mm × 18 mm   | 30 mm × 30 mm           | 0.09 kg | 1.7 W              | 24 VDC        | SMR-03V-B      |
| MV-LBSS-H-50-30-W   | White       | ≥ 6000 lux @ 100 mm           | 82 mm × 43 mm × 18 mm   | 50 mm × 30 mm           | 0.1 kg  | 3.3 W              | 24 VDC        | SMR-03V-B      |
| MV-LBSS-H-50-30-B   | Blue        | ≥ 600 lux @ 100 mm            | 82 mm × 43 mm × 18 mm   | 50 mm × 30 mm           | 0.1 kg  | 2.7 W              | 24 VDC        | SMR-03V-B      |
| MV-LBSS-H-50-30-R   | Red         | ≥ 1000 lux @ 100 mm           | 82 mm × 43 mm × 18 mm   | 50 mm × 30 mm           | 0.1 kg  | 2.4 W              | 24 VDC        | SMR-03V-B      |
| MV-LBSS-H-50-50-W   | White       | ≥ 10000 lux @ 100 mm          | 82 mm × 63.2 mm × 18 mm | 50 mm × 50 mm           | 0.15 kg | 5.1 W              | 24 VDC        | SMR-03V-B      |
| MV-LBSS-H-50-50-B   | Blue        | ≥ 1000 lux @ 100 mm           | 82 mm × 63.2 mm × 18 mm | 50 mm × 50 mm           | 0.15 kg | 3.7 W              | 24 VDC        | SMR-03V-B      |
| MV-LBSS-H-50-50-R   | Red         | ≥ 1500 lux @ 100 mm           | 82 mm × 63.2 mm × 18 mm | 50 mm × 50 mm           | 0.15 kg | 3.2 W              | 24 VDC        | SMR-03V-B      |
| MV-LBSS-H-80-80-W   | White       | ≥ 20000 lux @ 100 mm          | 112 mm × 93 mm × 18 mm  | 80 mm × 80 mm           | 0.2 kg  | 14.7 W             | 24 VDC        | SMR-03V-B      |
| MV-LBSS-H-80-80-B   | Blue        | ≥ 2000 lux @ 100 mm           | 112 mm × 93 mm × 18 mm  | 80 mm × 80 mm           | 0.2 kg  | 11.6 W             | 24 VDC        | SMR-03V-B      |
| MV-LBSS-H-80-80-R   | Red         | ≥ 3000 lux @ 100 mm           | 112 mm × 93 mm × 18 mm  | 80 mm × 80 mm           | 0.2 kg  | 10.3 W             | 24 VDC        | SMR-03V-B      |
| MV-LBSS-H-100-100-W | White       | ≥ 40000 lux @ 100 mm          | 132 mm × 113 mm × 18 mm | 100 mm × 100 mm         | 0.3 kg  | 25 W               | 24 VDC        | SMR-03V-B      |
| MV-LBSS-H-100-100-B | Blue        | ≥ 4000 lux @ 100 mm           | 132 mm × 113 mm × 18 mm | 100 mm × 100 mm         | 0.3 kg  | 18.2 W             | 24 VDC        | SMR-03V-B      |
| MV-LBSS-H-100-100-R | Red         | ≥ 7000 lux @ 100 mm           | 132 mm × 113 mm × 18 mm | 100 mm × 100 mm         | 0.3 kg  | 17.2 W             | 24 VDC        | SMR-03V-B      |
| MV-LBSS-H-120-120-W | White       | ≥ 31000 lux @ 100 mm          | 152 mm × 133 mm × 18 mm | 120 mm × 120 mm         | 0.4 kg  | 22 W               | 24 VDC        | SMR-03V-B      |
| MV-LBSS-H-150-100-W | White       | ≥ 40000 lux @ 100 mm          | 182 mm × 113 mm × 18 mm | 150 mm × 100 mm         | 0.45 kg | 25 W               | 24 VDC        | SMR-03V-B      |
| MV-LBSS-H-150-150-W | White       | ≥ 60000 lux @ 100 mm          | 182 mm × 163 mm × 18 mm | 150 mm × 150 mm         | 0.5 kg  | 36 W               | 24 VDC        | SMR-03V-B      |
| MV-LBSS-H-200-200-W | White       | ≥ 80000 lux @ 100 mm          | 232 mm × 213 mm × 18 mm | 200 mm × 200 mm         | 0.8 kg  | 66 W               | 24 VDC        | SMR-03V-B      |
| MV-LBSS-H-250-150-W | White       | ≥ 60000 lux @ 100 mm          | 282 mm × 163 mm × 19 mm | 250 mm × 150 mm         | 0.8 kg  | 46 W               | 24 VDC        | SMR-03V-B      |
| MV-LBSS-H-250-250-W | White       | ≥ 50000 lux @ 100 mm          | 282 mm × 263 mm × 19 mm | 250 mm × 250 mm         | 1.1 kg  | 57.1 W             | 24 VDC        | SMR-03V-B      |
| MV-LBSS-H-250-250-B | Blue        | ≥ 5000 lux @ 100 mm           | 282 mm × 263 mm × 19 mm | 250 mm × 250 mm         | 1.1 kg  | 46.7 W             | 24 VDC        | SMR-03V-B      |
| MV-LBSS-H-250-250-R | Red         | ≥ 8000 lux @ 100 mm           | 282 mm × 263 mm × 19 mm | 250 mm × 250 mm         | 1.1 kg  | 42 W               | 24 VDC        | SMR-03V-B      |
| MV-LBSS-H-300-200-W | White       | ≥ 110000 lux @ 100 mm         | 332 mm × 213 mm × 19 mm | 300 mm × 200 mm         | 1.4 kg  | 66.1 W             | 24 VDC        | SMR-03V-B      |
| MV-LBSS-H-300-200-B | Blue        | ≥ 11000 lux @ 100 mm          | 332 mm × 213 mm × 19 mm | 300 mm × 200 mm         | 1.4 kg  | 49.4 W             | 24 VDC        | SMR-03V-B      |
| MV-LBSS-H-300-200-R | Red         | ≥ 18000 lux @ 100 mm          | 332 mm × 213 mm × 19 mm | 300 mm × 200 mm         | 1.4 kg  | 36.2 W             | 24 VDC        | SMR-03V-B      |
| MV-LBSS-H-300-300-W | White       | ≥ 60000 lux @ 100 mm          | 338 mm × 315 mm × 21 mm | 300 mm × 300 mm         | 2 kg    | 88 W               | 24 VDC        | 12M-2A         |
| MV-LBSS-H-300-300-B | Blue        | ≥ 6000 lux @ 100 mm           | 338 mm × 315 mm × 21 mm | 300 mm × 300 mm         | 2 kg    | 71.8 W             | 24 VDC        | 12M-2A         |
| MV-LBSS-H-300-300-R | Red         | ≥ 10000 lux @ 100 mm          | 338 mm × 315 mm × 21 mm | 300 mm × 300 mm         | 2 kg    | 64.4 W             | 24 VDC        | 12M-2A         |
| MV-LBSS-H-350-250-W | White       | ≥ 60000 lux @ 100 mm          | 388 mm × 265 mm × 21 mm | 350 mm × 250 mm         | 2 kg    | 89.6 W             | 24 VDC        | 12M-2A         |
| MV-LBSS-H-350-250-B | Blue        | ≥ 6000 lux @ 100 mm           | 388 mm × 265 mm × 21 mm | 350 mm × 250 mm         | 2 kg    | 70.2 W             | 24 VDC        | 12M-2A         |
| MV-LBSS-H-350-250-R | Red         | ≥ 10000 lux @ 100 mm          | 388 mm × 265 mm × 21 mm | 350 mm × 250 mm         | 2 kg    | 67 W               | 24 VDC        | 12M-2A         |
| MV-LBSS-H-400-300-W | White       | ≥ 60000 lux @ 100 mm          | 438 mm × 315 mm × 21 mm | 400 mm × 300 mm         | 3 kg    | 126 W              | 24 VDC        | 12M-2A         |
| MV-LBSS-H-400-300-B | Blue        | ≥ 6000 lux @ 100 mm           | 438 mm × 315 mm × 21 mm | 400 mm × 300 mm         | 3 kg    | 106 W              | 24 VDC        | 12M-2A         |
| MV-LBSS-H-400-300-R | Red         | ≥ 10000 lux @ 100 mm          | 438 mm × 315 mm × 21 mm | 400 mm × 300 mm         | 3 kg    | 96 W               | 24 VDC        | 12M-2A         |

# Dimension

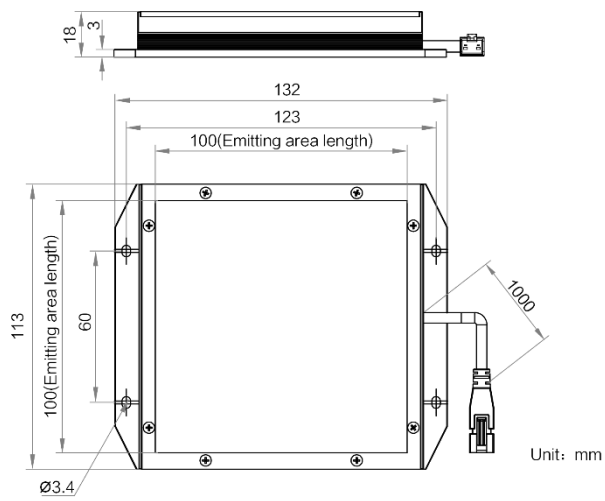
MV-LBSS-H-50-30-\*



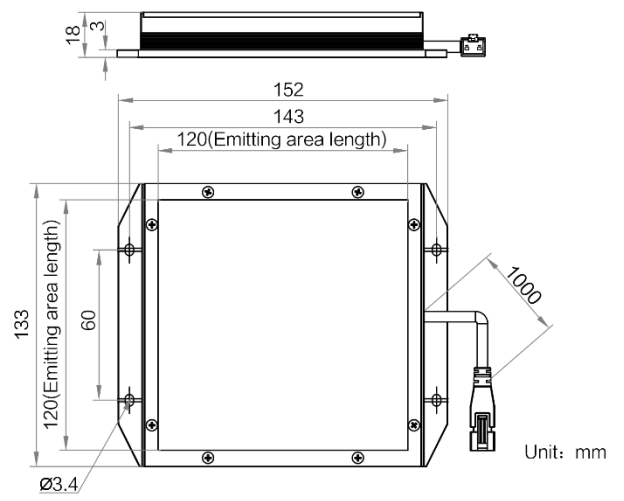
MV-LBSS-H-80-80-\*



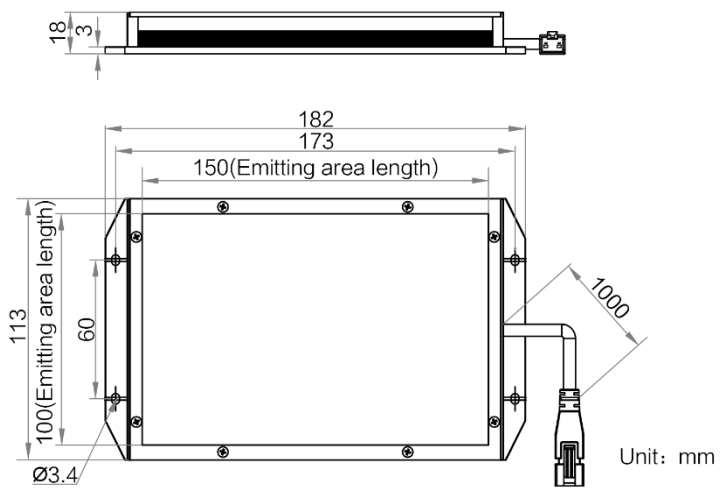
MV-LBSS-H-100-100-\*



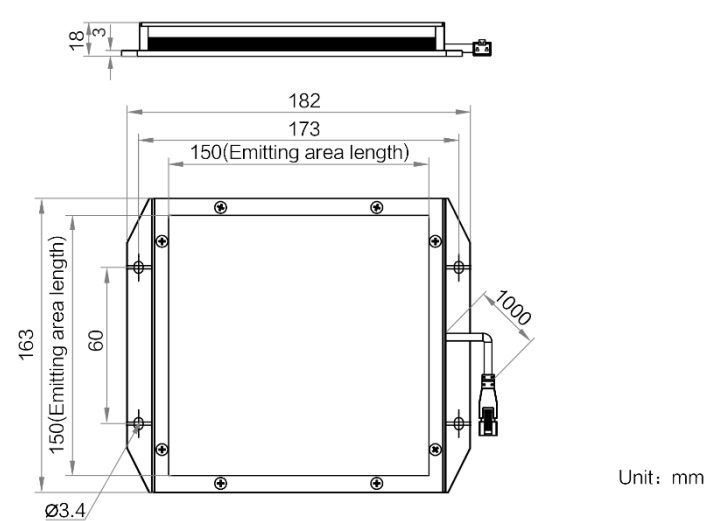
MV-LBSS-H-120-120-W



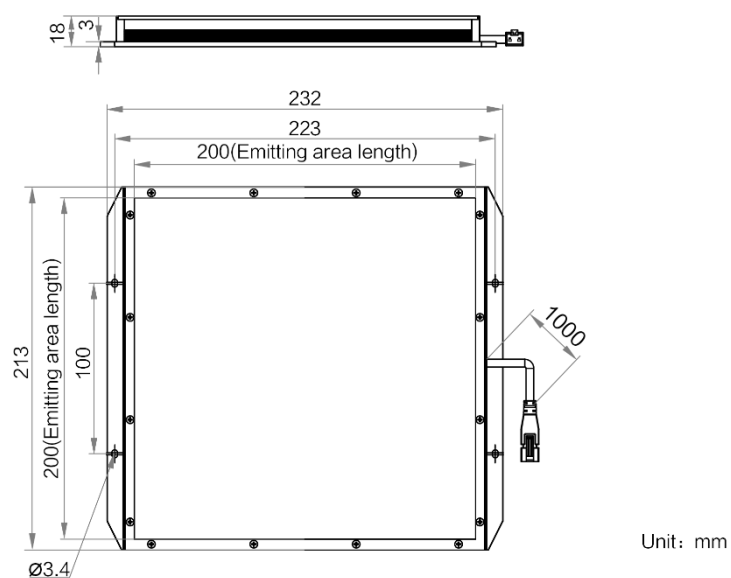
MV-LBSS-H-150-100-W



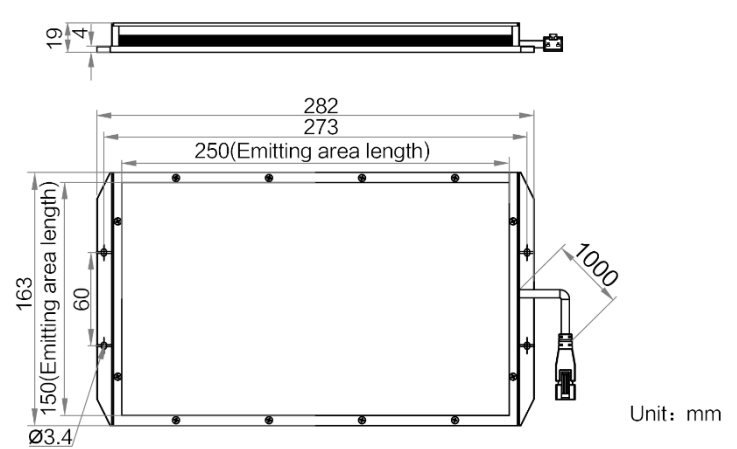
MV-LBSS-H-150-150-W



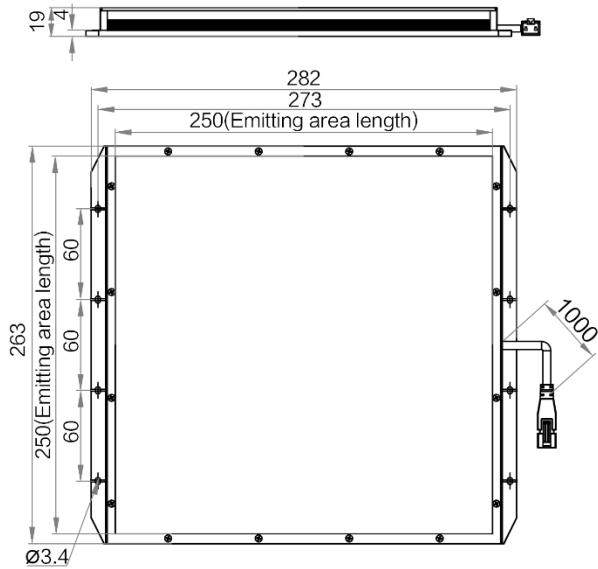
MV-LBSS-H-200-200-W



MV-LBSS-H-250-150-W

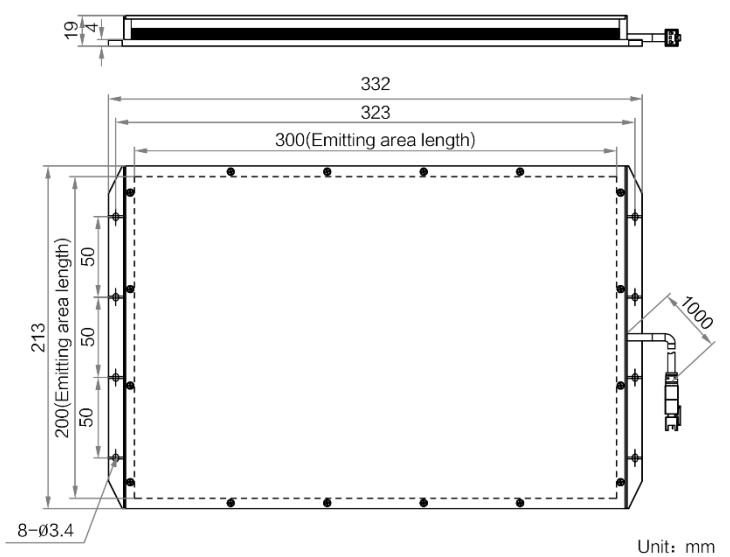


MV-LBSS-H-250-250-\*



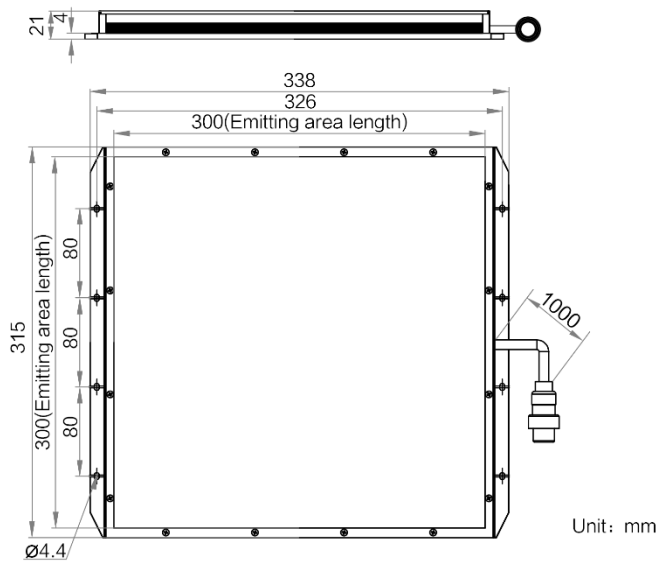
Unit: mm

MV-LBSS-H-300-200-\*



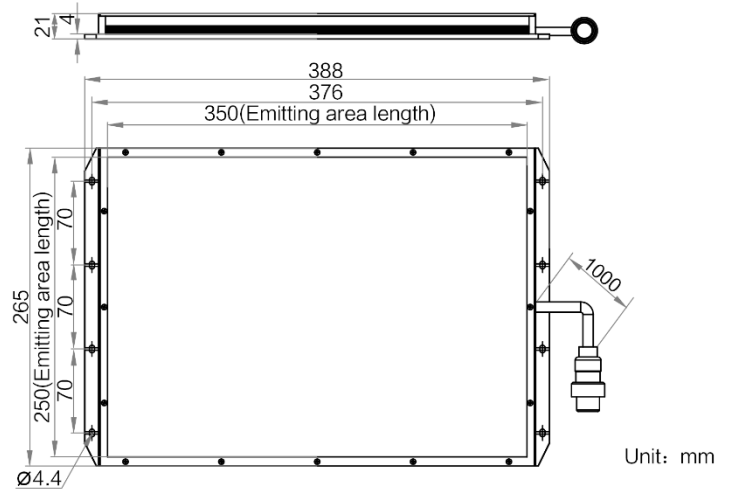
Unit: mm

MV-LBSS-H-300-300-\*



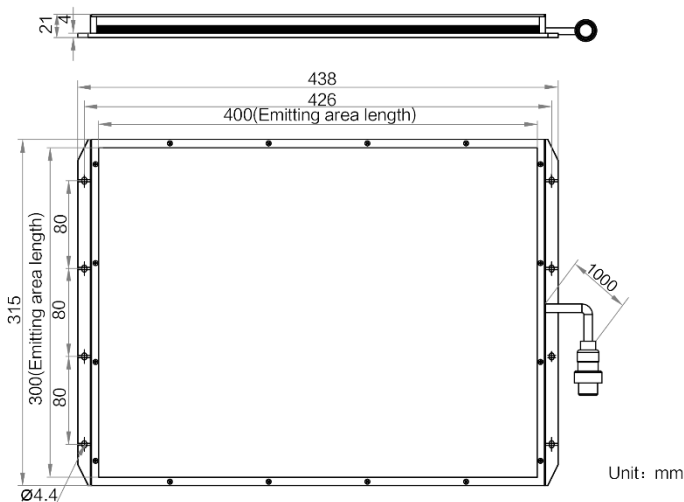
Unit: mm

MV-LBSS-H-350-250-\*



Unit: mm

MV-LBSS-H-400-300-\*



Unit: mm

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