

# High-brightness Large Plane Illumination «LMH Series»

## LMH Series

High-power diffused light is irradiated from flat light-emitting surface.



Unprecedented 900,000 Lx high power



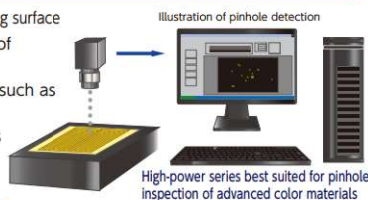
Customizable

Light distribution  
control

Emission color  
● ● ● ●

### Features

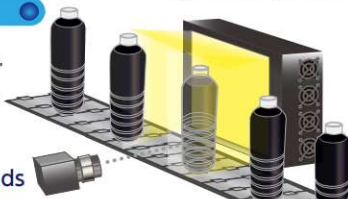
- Unprecedented high power of approx. 900,000 Lx at the light-emitting surface
- Intense target sample irradiation, best suited for inspection of dark containers, bottles, and liquids.
- Universal LED illumination available for various applications such as direct illumination and conveyor illumination
- Low-heat LED plane illumination, ideal for irradiation of heat-sensitive objects
- Intense-light LED plane illumination allows for high-speed inspection (previously unattainable)



### Application example

Food container inspection, color bottle inspection, edge inspection,  
area camera light source  
Transmission inspection light source, image processing light source

### Transmission inspection of colored liquids



### Example of imaging

- Inspection of foreign matter in liquid
- Conventional plane illumination (backlight illumination)



Transmission inspection for color bottles and color liquids is difficult due to insufficient light intensity.



High-power conveyor inspection can detect foreign matter.

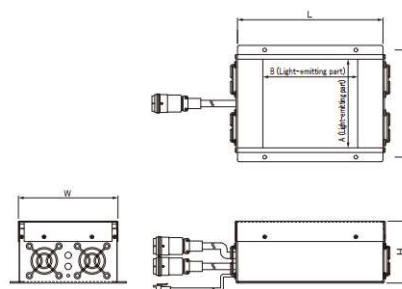
### Product Specifications

Model	LxWxH [mm]	Light-emitting part A x B [mm]	D [mm]	Power consumption (white) [W]	Input voltage [V]	Example of applicable power supply
LMH106Fx159-67*	159x106x67	96x104	116	173	48	※1
LMH202Fx266-67*	263x202x67	192x208	212	692	48	※1

- \* : Emission color : W (white), R (red), G (green), B (blue) ● Light-emitting surface can be manufactured in units of 48 mm x 104 mm.
- For details about other sizes, contact our sales department.

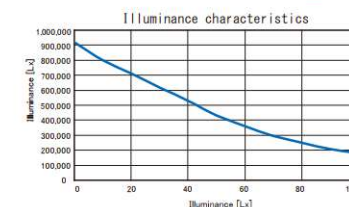
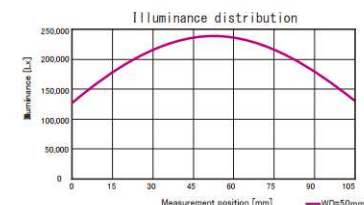
※1 For details about applicable power supplies, contact our sales department.

### Outer dimensions



\* Product specifications are subject to change without notice.

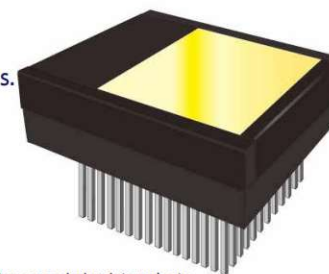
### Data (Typical example : LMH106Fx159-67W)



\* Graph information (for reference only) does not guarantee product quality.

### Example of customization

Fanless compact structure allows installation in clean rooms and small spaces.



※ Brightness varies depending on emission interval, etc.