

Metal Halide Fiber Illumination Systems Lamps for Metal Halide Fiber Illumination Systems

IMH-250
MHL

IMH-250

High intensity and precision illumination sources with metal halide lamp and twin mirror system.

- Much bright and efficient illumination using short arc metal halide lamp.
- Combination of an elliptical mirror and a spherical mirror focuses the light output into a light guide efficiently.
- Combination of cold mirror and heat absorbing filter manages heat output efficiently.
- With the integration of lamp and elliptical cold mirror, lamp replacement is a very easy without adjustment.
- New mechanical aperture allows control of output intensity without changing spectral characteristics.
- High stability and low ripple output. Suitable for high-speed image processing.

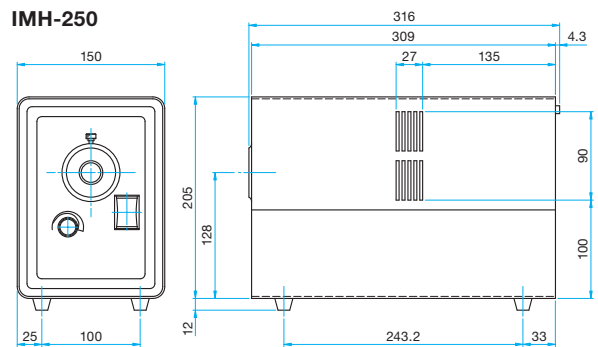


Guide

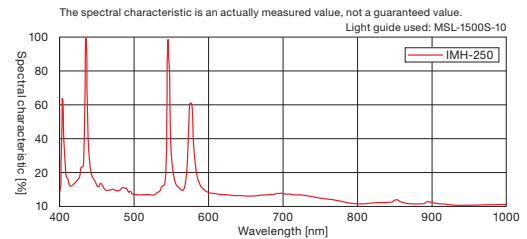
▶ Light guides sold separately.

Outline Drawing

(Units: mm)



Reference spectral data



Common Specifications

Lamp Type	Mirror integrated metal halide lamp DC250W
Lamp Life	Average 2,000 hours (to decrease in light intensity by 30% from initial value)
Power Supply	AC90 – 132V 50/60Hz
Input Voltage	AC100V±10% 50/60Hz
Power Consumption	about 330W
Illumination Intensity	80,000lx or more (initial value) at a position 100mm from the edge of the light guide of L=500mm and φ5
Fluctuations in Illumination Intensity	about 1.5%
Color Temperature	7,500°K
Cooling Method	Forced-air cooling method
Usage Environment	Temperature: 5°C – 35°C, Humidity: 70% or less
External Dimensions [mm]	(W)150×(H)205×(D)309 (excluding rubber feet and protrusions)
Weight [kg]	about 6.0

Part Number	Product Description	Light Intensity Adjustment Method	Shutter Open/Close	Power Supply ON/OFF	External control Connector	Interface
IMH-250	Low-light intensity ripple (high stability) type	Manual	None	Manual	None	None
IMH-250A	Low-light intensity ripple (high stability) type with continuous automatic aperture function	Manual and remote selection with switch	None	Manual	D-sub25pin	TTL level
IMH-250SL	Low-light intensity ripple (high stability) type with shutter and lamp control function	Manual	External control	External control	BNC	TTL level

MHL

Replacement lamps for metal halide fiber illumination system IMH-250.



- With the integration of lamp and elliptical mirror, lamp replacement is a very easy without adjustment.

Specifications

Part Number	MHL-250
-------------	---------

Application Systems

Optics & Optical Coatings

Opto-Mechanics

Bases

Manual Stages

Actuators & Adjusters

MotORIZED Stages

Light Sources & Laser Safety

Index

Guide

Lasers

Detectors

Laser Safety Equipments

Light Sources