

# High-power Xenon Light Source with Double 400W Lamps

## MAX-400D

**Approximately 400% higher output in VIS range compared to MAX-350**

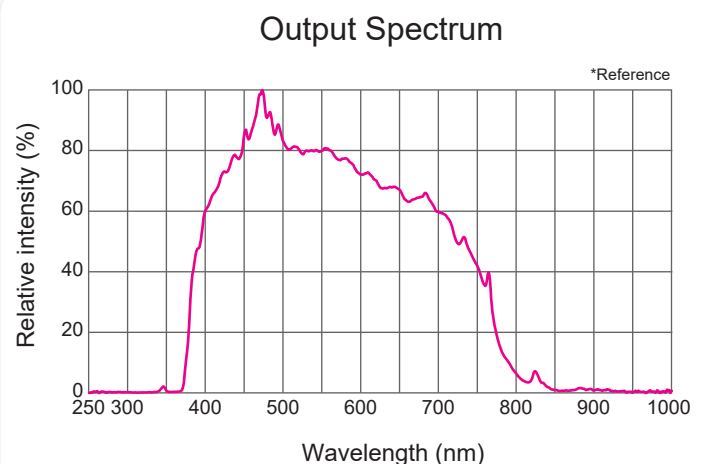


### Features

- High power output in VIS range
- Simple operation
- Adjustable light intensity
- Flexible illumination by light guide
- No need of optical axis alignment
- Optical filter is mountable \*Option
- RS-485 remote control

### Applications

- High speed camera
- Evaluation of camera sensor
- Image processing system
- Microscope with high speed camera
- Backlight illumination



# Options

## Light Guide

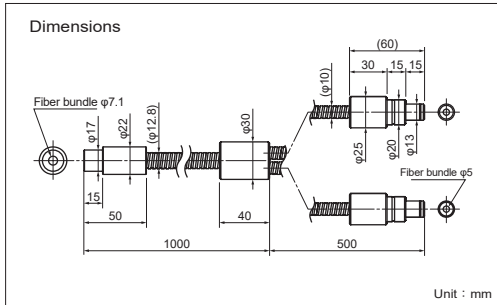
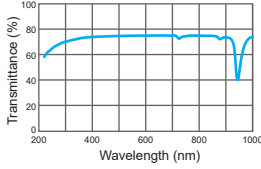


Output light from MAX-400D is delivered to a desired direction by the light guide.

### Multi-branch light guide

- Length(L): 1.5m
- Bending radius: 100mm
- Numerical aperture: 0.22

### Spectral Performance



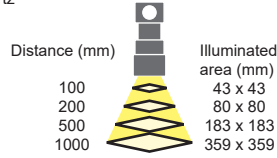
## Collimator Lens



Each collimator lens is designed to provide the uniform illumination by using with the light guide.

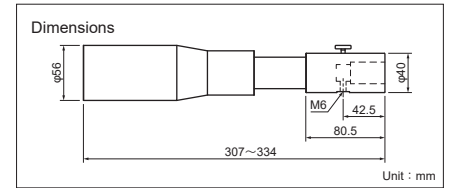
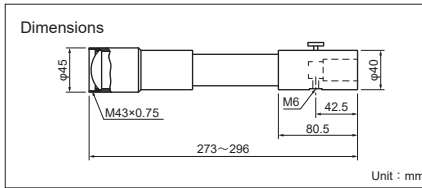
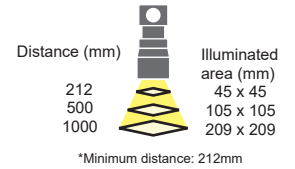
### RLQ-1 (x1.0) 10mm dia.

Material: Quartz

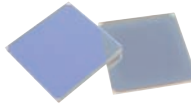


### RLQ-05 (x0.5) 10mm dia.

Material: Quartz



## Optical Filter



We offer a wide variety of optical filters. Please contact us for details.

- Usable filters:  
 Size: 50x50mm  
 Thickness: Less than 6mm

## Package Contents

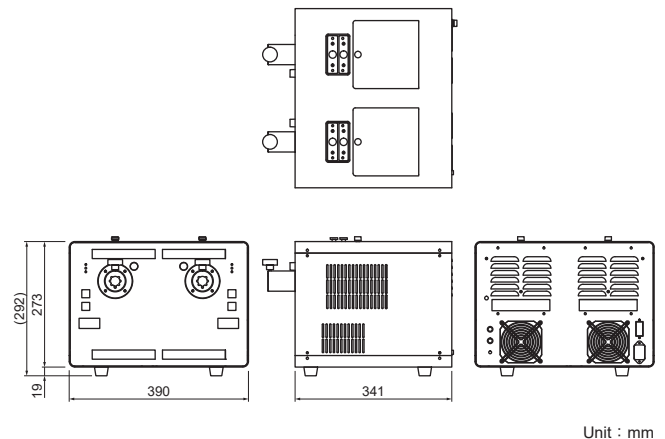
- MAX-400D main unit
- Lamp cartridge x 2 pcs
- Filter holder x 2 pcs
- Heatsink x 2 pcs
- AC cable (3m)
- Instruction manual

## General Specifications

- Model: MAX-400D  
 Output wavelength: 400 - 700nm  
 (Super cold filter YSC0750 is equipped.)  
 Input voltage: AC100 - 240V±10% 50/60Hz  
 Apparent power: Less than 1360VA (AC100-240V, 50/60Hz)  
 Lamp type: Xenon lamp 400W (VIS) x 2 pcs  
 Lamp voltage, current: 14.3V 28A(DC) \*Representative value  
 Lamp control method: Constant-current system  
 Guaranteed lighting time: 500h \*Under our conditions  
 \*Less than 1 year after delivery  
 Optical axis alignment: Cartridge type (Alignment-free)  
 Cooling method: Forced air cooling  
 Function: Shutter  
 Light intensity control (manual) \*1  
 Lamp usage hour counter (unit: h)  
 Filter holder (50mm dia. or 50x50mm, t<6mm)  
 Remote control: RS-485  
 Safety mechanism: Lamp turns off and warning lamp turns on:  
 - Lamp anomaly  
 - Top cover is open  
 - Cooling fan problem  
 - Temperature anomaly  
 Spare fuse is installed, Overcurrent protection  
 Recommended environment: Temperature 10 - 35 deg C  
 Humidity 20 - 80% \*Avoid condensation  
 Dimensions: 390(W) x 341(D) x 292(H)mm  
 Weight: 19.8kg

\*1 The light intensity can be decreased to about 30% assuming that the maximum light intensity is 100%.

## Dimensions



Unit : mm

\*Product specifications are subject to change without notice.



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