

Fiber Optic Illuminator Instruction Manual



Please read the Instruction Manual before using the illuminator.

I . Features

After the MA314101 illuminator is combined with fibers, it could provide a disposable and reliable light source with high-intensity and adjustable illumination and high evenness, so it is more widely suitable for the industries like electronics, high-precision machinery, biology, agriculture and clinical medical studies than common light sources.

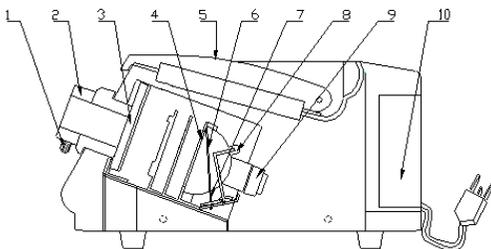
The design of broad-voltage input of this power supply makes it suitable in different countries and regions, and the over-voltage and over-loading protective and delay devices designed in the circuits make the use of this illuminator safe and sound. The spectral filters adopted in this power supply could effectively obstruct the infrared rays, and the sound cooling-down system with light-guiding fibers could strictly prevent any heat in the parts illuminated.

II . Specifications

Power supply:	AC 90-265V 50/60Hz
Power consumption:	150W
Fuse:	2A Dia. 0.20"×0.79"(5×20mm)(L)
Startup time:	50ms (Full Load)
Filter:	Red, Yellow, Blue, Green
Efficiency:	65%

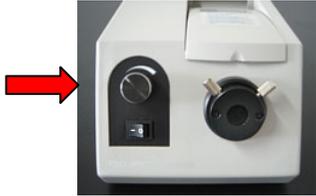
Operating temperature:	0~45℃
Storage temperature:	-25~85℃
Relative humidity:	85%
Illumination:	≥100000 Lux
Color temperature:	≥3200K
Dimensions(L×W×H):	8.26"×6.69"×5.119" (210mm×170mm×130mm)
Lamp:	21V 150W halogen reflector bulb
Service life of lamp:	Approx. 200 hours at full load

III. Structure



- | |
|--------------------------------|
| 1. Screw |
| 2. Optical light guide adapter |
| 3. Filter |
| 4. Lamp holder |
| 5. Cover |
| 6. 21V 150W halogen bulb |
| 7. Clasping steel wire |
| 8. Handle |
| 9. Bulb holder |
| 10. Fan |

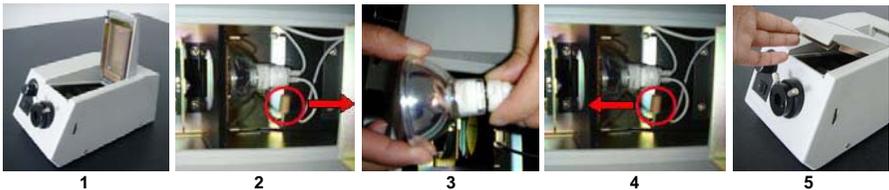
IV. Operating Instructions

<p>Open the package, cautiously take out the illuminator of halogen lighting and its power supply wires and make sure to turn the light-adjustable knob anticlockwise to the original position. Indicated as in Figure 3.</p>	
<p>Insert the fiber fitting into the light-guiding socket and fasten it with screws; then turn on the switch of power supply and turn the adjusting knob clockwise to increase the intensity of illumination. Indicated as in Figure 4.</p>	

V. Bulb Replacement Instructions

Bulb replacement is a simple process and no tool is necessary. Firstly, make sure that the original bulbs

inside the illuminator have cooled down, shut off the power supply and open the top cover of the mainframe; then push the spring clasp backward to take out the broken bulb from its bracket, replace it with a new one of the same model and type; after that, place the new one into the spring clasp and pull the spring clasp to the arrowhead direction to fasten the bulb; finally, close the top cover.



VI. Care

- Keep the working temperature of the illuminator between -5°C and 45°C.
- Please shut off the power supply after the operation to keep the illuminator clean and dry. Please wash the hardware with mild detergents.
- Please keep the distance between the fan vent and its nearest shelter higher than 15CM to ensure regular cooling-down after the power supply is turned on.
- Please turn off the machine and shut off the power supply for cooling-down before any operations for replacement of bulbs and fuses.

Note: Never disassemble the power supply for whatever reasons to prevent wrong operations or unnecessary damages against it. In case of irregular operations or halt of fans when the illuminator is in operation, the user should stop using the power supply immediately, check the fan wires and the fan itself to remove the failure before further operations.

VII. Packing List

- Illuminator: One (with bulbs inside)
- Power supply: One
- Packing case: One
- Instruction Manual: One copy