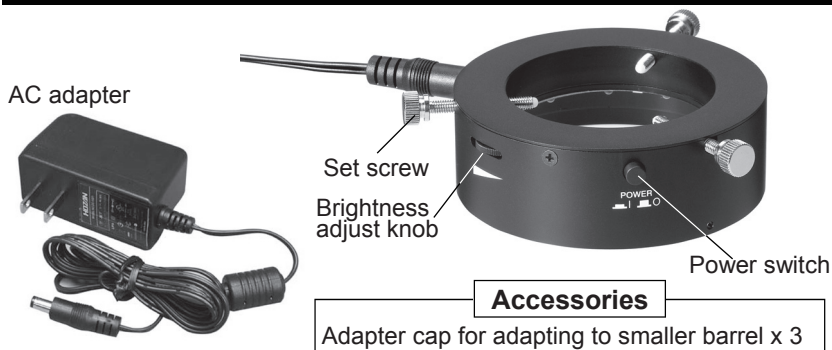


# HOZAN L-711 LED RING LIGHT

## INSTRUCTION MANUAL

Thank you for purchasing the HOZAN L-711 LED RING LIGHT. With proper care and handling, this fine instrument will provide years of trouble-free operation. Please read this entire instruction manual carefully before attempting to place this instrument in service. Please keep this instruction manual available for reference.

### Identification of parts



### Specifications

LED	White power LED x 12	Color temperature	6600K (average)
LED life	Approx. 36300 hrs. *Varies according to the environment.	Brightness adjust range	0 to 100%
Rated voltage	12VDC (with accessory AC adapter)	Outer diameter of barrel to be attached to	27.5 to 60 mm $\phi$
Power consumption	9.2 W	Weight	Light 150g

### Brightness comparison data (at full power)

Distance from light source mm	L-711 without filter lx	L-711 + L-711-1 filter lx
30	35000	21000
40	30900	17700
50	24500	15100
60	22200	13200
80	16400	9700
100	12100	7500

## Warning and caution symbols

These symbols are used throughout the instruction manual to alert the user to potential safety hazards as follows :

**⚠ Warning** ... Notice when incorrect handling could cause the user's death or serious injury.

**⚠ Caution** ... Notice when incorrect handling could cause injury to the user or material damage.

Even if the instructions do not have **⚠ Caution** mark, there are some possibilities for a serious situation. Follow the instructions.

## Precautions

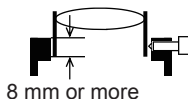
This LED ring light is for microscopes/cameras which have barrels of diameter 27.5 to 60 mm. Do not use for any other purpose.

### ⚠ Caution

Always use with the accessory AC adapter. If use other power sources, this could damage the circuit and the lamps

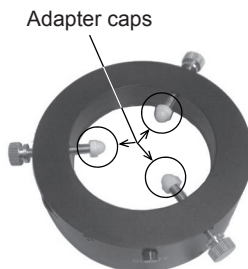
## Operation

- 1 Install on the microscope or the camera.  
Loosen the set screws and insert over the barrel as deep as possible. Then secure the set screws.



If the outer diameter of the barrel is 27.5 to 30 mm, attach the 3 adapter caps onto the tips of the set screws.

Equally secure the set screws adjusting so that the light unit locates concentrically with the barrel.



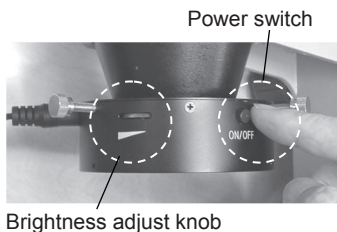
## Operation

- 2** Be sure that the power switch is turned OFF.  
Connect the plug of the AC adapter to the receptacle of the light unit.



- 3** Turn the power switch ON.  
Get required brightness using the brightness adjust knob.

Please purchase L-711-1 Filter to use when inspecting a metallic surface such as solder, accompanied garishness or reflected images of LEDs impede inspection.



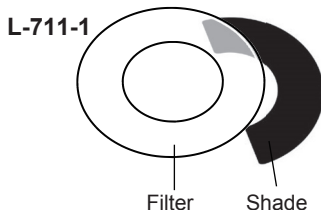
- 4** Turn the power switch OFF, then disconnect each connection.  
Store in a safe place.

## Option

### L-711-1 Filter

Controls garishness and reduces reflected images of light sources on the object by diffusing the lights.

Using the accompanied shade blocks off the lights from a certain angle and develops clear shadows on the object. This makes the inspection more simple.



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