



## User Guide

**Gradient Lens Corporation**

### Luxxor® 24 User Guide

### Luxxor® 24 Light Source



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### Warning!!

The Luxxor® 24 emits extremely bright light. DO NOT LOOK DIRECTLY INTO THE OUTPUT PORT OF THE LIGHT SOURCE OR INTO THE OUTPUT END OF AN ATTACHED LIGHT GUIDE.

**Gradient Lens Corporation**

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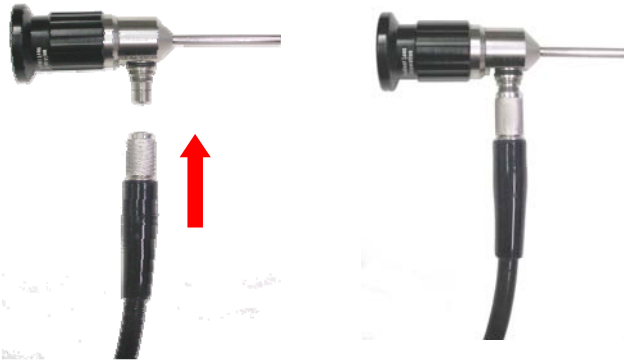
All product specifications subject to change without notice.

## Luxxor® 24 - Set Up

Insert the male end of the Luxxor® Light Guide fully into the receptacle on the front of the Luxxor® 24 light source.



Connect the other end of the Luxxor® Light Guide to your Hawkeye® borescope by pushing it onto the light post of the scope until it clicks into place.

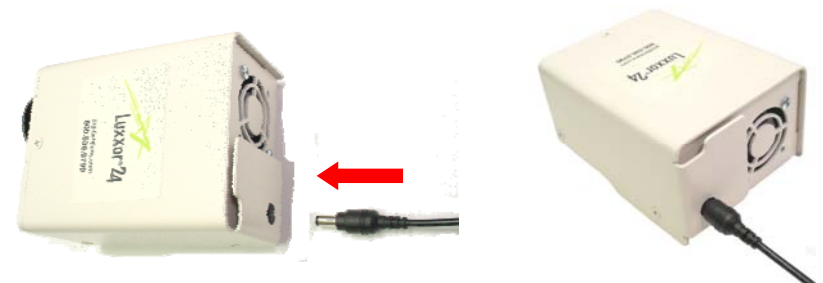


## Luxxor® 24 - Set Up

Locate the Luxxor® 24 power supply.



Plug the output of the power supply into the jack on the rear of the Luxxor® 24 light source.



Plug one end of the power supply's AC cable into the power supply. Plug the other end into a 100-240 VAC 50/60Hz outlet.



## Luxxor® 24 - Operation



Use the switch on the front of the Luxxor® 24 to turn it on or off. The lamp takes a minute or so to warm up to its normal color.

### IMPORTANT

Lamp life is rated at 500 starts or 500 hours, whichever comes first. Avoid frequent restarts to prolong lamp life. If light must be restarted soon after turning it off, wait at least 60 seconds before restarting.

## Light Intensity

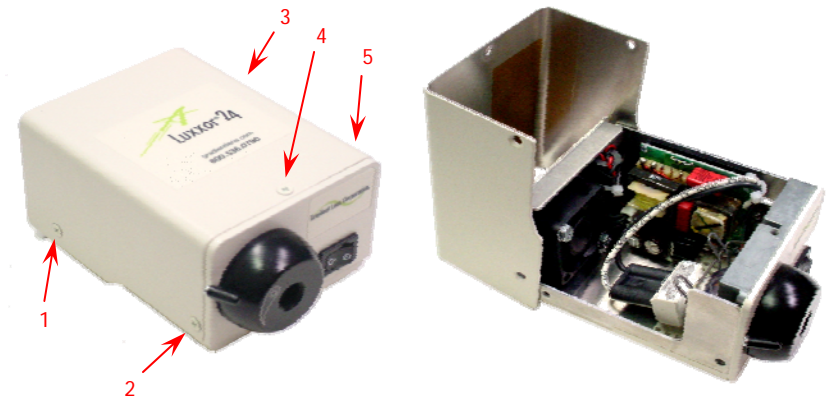
The Luxxor® 24 light source is equipped with a shutter to vary the light output. Maximum intensity is delivered with the shutter lever in the UP position. Lower the shutter lever to reduce the light intensity.



## Luxxor® 24 - Maintenance

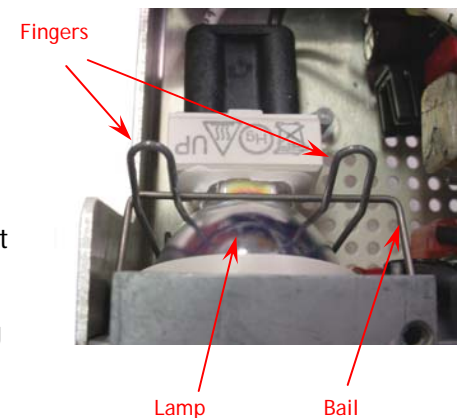
### Luxxor® 24 Lamp Replacement

Unplug the Luxxor® 24 from its power supply. Remove (5) screws and open the cover.



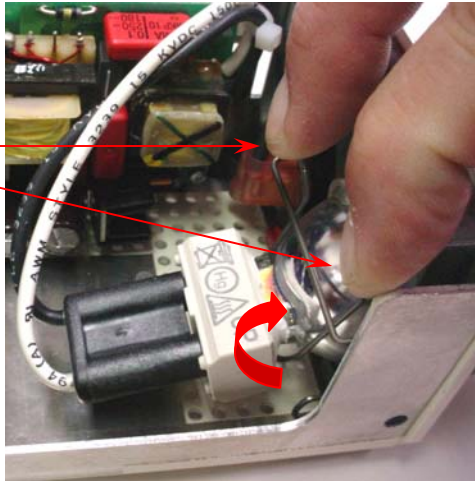
Note that the lamp is held in place by two wire "fingers", which are held tightly against the lamp by a wire bail.

Also note that the lamp fits into a cutout in the housing that holds it at an angle. The new lamp must be installed in this position, fully seated into its cutout in the housing and with the word UP visible on the top side of the lamp base.



## Luxxor® 24 - Maintenance

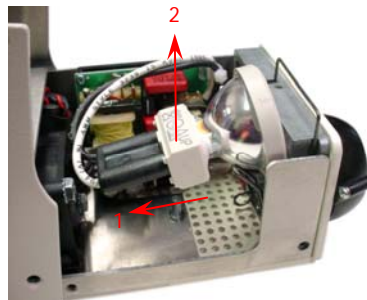
When the lamp is cool, pull the fingers away from the bail enough to relieve pressure on the bail and flip the bail up and over the ends of the fingers.



Bail in UP position.



Pull the lamp back against the fingers, out of its cutout in the housing and slide it upward to remove it from the housing.



## Luxxor® 24 - Maintenance

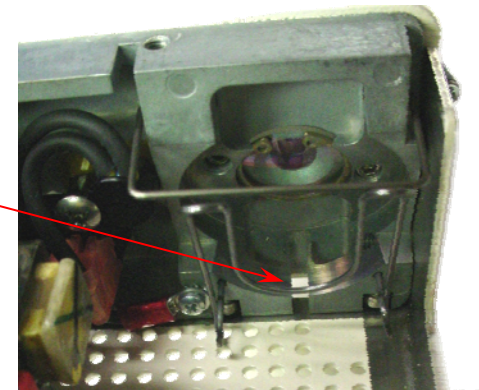
Unplug the lamp from its socket and replace with a new lamp. The lamp pins are different sizes to ensure the correct polarity.



There is a locating pin on the rim of the lamp.



The locating pin fits into a slot in the bottom of the lamp cutout in the housing.



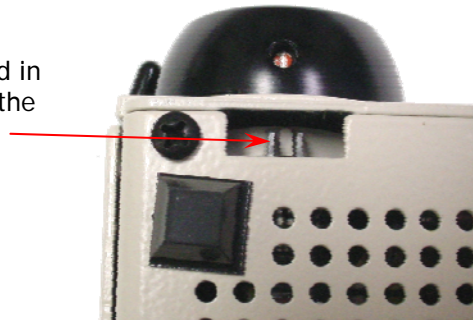


## Luxxor® 24 – Maintenance

Install the new lamp by reversing the removal procedure. When properly installed, the lamp will fit fully into its cutout, the word UP will be visible on the top of the lamp base and the locating pin will be engaged in its slot.



The locating pin can be viewed in its slot from the underside of the housing.



Replace the housing cover and its screws. If the new lamp does not seem as bright as it should, confirm that the lamp is mounted properly. It must be fully seated in its cutout, with the correct side up and the locating pin in its slot to work as designed.

**Note:** The lamp will be at an angle, pointing slightly upward, when it is properly and fully seated in the chassis. This is necessary for proper operation of the Luxxor® 24. Light output will be significantly diminished, and lamp life shortened, if the lamp is not seated properly. Check lamp seating periodically, especially after transporting the unit.

## Luxxor® 24 – Customer Service

### Contact Customer Service

by email: service@gradientlens.com  
by phone: 1-800-536-0790 (U.S.A. only)  
1-585-235-2620

### 30-Day Customer Satisfaction Guarantee

Gradient Lens Corporation offers its direct customers a money-back guarantee. If, for any reason, you are not completely satisfied with your purchase within 30 days, call our customer service department. A Return Material Authorization (RMA) number will be issued allowing a refund of the original purchase price from GLC (excluding shipping and handling charges), provided that the product is in original, saleable condition with all packaging.

### Limited Warranty

Gradient Lens Corporation warrants that all Hawkeye® borescopes and accessories manufactured by Gradient Lens Corporation will be free of defects in materials and workmanship for one year from the date of first retail purchase. The entire Hawkeye® Borescope Warranty is available online at - [http://www.gradientlens.com/pdfs/Hawkeye\\_Warranty\\_2008.pdf](http://www.gradientlens.com/pdfs/Hawkeye_Warranty_2008.pdf).

Video, lighting and some accessory products come with their manufacturer's warranty.

### Warranty Claims and Non-Warranty Repairs

Whether you have a warranty claim, an out-of-warranty repair, or you don't really know which, call our customer service department at the number(s) listed above to talk about it. If necessary, we will issue you an RMA number and shipping instructions, allowing you to send the product back. Please do not return any product without calling for an RMA number first. You are responsible for shipping and insurance on any returns.







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