



C-HGFI (manual)



C-HGFI (motorized)

Nikon® INTENSILIGHT

Guide to Maximum Lamp and Fiber Life

The Nikon Intensilight HG Precentered Fiber Illumination system uses an ultra high pressure 130 watt mercury lamp which, when used properly, will provide 2,000 hours of lamp life.

- The lamp life is based on an average number of ignitions, and each ignition will reduce the lamp life about 3-5 hours. If you plan to use it several times in a day, it is better to leave it on rather than turning it off and on every couple of hours.
- This is especially important in a multi-user lab.

Like any standard mercury lamp, it requires a minimum warm-up time of approximately 30 minutes to reach the proper operating conditions.

- Turning off the lamp before proper warm-up will result in premature lamp failure.

Proper ventilation for the lamp is important, and elevated operating temperatures will reduce lamp life.

- Check the fan filters periodically and clean as required.
- Maintain proper clearance around the case; four inches on both sides and at least eight inches in the rear.
- Optimum room temperature is 70-75° F.

Special care should be taken when changing the lamp.

- Never touch the lamp or reflector surface (inner or outer surface). Fingerprints will etch into the glass when heated and can cause a lamp to physically break. If you touch the lamp it should be cleaned with alcohol.
- Always wear cotton gloves or dust free latex gloves when changing or handling a lamp.
- Handle lamp by touching only the ceramic socket.
- Make sure the top of the lamp is facing the top of the illuminator housing. It is marked on the ceramic socket. Refer to the instruction manual.

Liquid light guides have a finite life.

- A damaged or aged light guide will have a reduced output and poor uniformity across the field of view.
- Avoid sharp bends in the light guide. Two common causes are pushing the Intensilight against a wall or pulling dust covers tight over the light guide.



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