

# RETRACTOR LITE XE

## Care and Maintenance

### *Please read before use*

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#### Indications for Use:

The Thompson Surgical Instruments, Inc. Retractor Lite intended as a task light for surgical procedures. It is designed to be used in conjunction with a retractor blade which it can attach to through the use of Lite Clips. The Retractor Lite is designed to provide visible illumination of the surgical field or the patient through a Xenon light source only. The Retractor Lite is designed to be used by surgeons and other medical care practitioners in a surgical setting.



- Do not use Retractor Lite if damaged.
- Do not operate Retractor Lite while hot. Allow Retractor Lite to cool to avoid breakage.
- Do not allow Retractor Lite to contact any sharp edges or pointed objects. Extensive fiber breakage could occur.
- Do not leave end-fitting face unprotected; scratches can degrade performance.
- Do not abuse, kink, pull, or stretch the Retractor Lite. Damage to enclosed glass optical fibers will result in light transmittal losses.
- Do not attempt to slide Lite Clip off distal end of Retractor Lite. Instead, push Lite Clip off the side of the Retractor Lite with fingers.
- Do not lever off of Retractor Lite or Lite Clip when attached to retractor blade.
- Do not soak Retractor Lite in Cidex. Employ only the sterilization measures stipulated in this insert.
- Do not drape or cover any end of fiber optic cable with any flammable material or item.
- Product contains silicone.
- Do not use Lite Clip on lipped blades or blades thicker than 2mm. May cause Lite Clip to weaken or break.

#### PROPER CARE AND MAINTENANCE

The Retractor Lite should be utilized without alteration to its original design or fabrication. Treat the glass surfaces at each end of the Retractor Lite as you would any fine optical device. The apertures (bundle sizes) of the Retractor Lite must be matched to obtain maximum efficiency in light transmission. The Retractor Lite is for 300W and lower xenon light sources meeting IEC 60601 or equivalent national standards only.

Replace Retractor Lite when fiber bundle light transmission output decreases by approximately 30%.

#### Cleaning and Sterilization

##### Manual Cleaning

The Retractor Lite must be manually cleaned prior to Sterilization.

Use caution when handling the Retractor Lite after use. The proximal end could be hot; allow instrument to cool to avoid breakage.

1. With the distal end pointing at a downward angle, use a soft bristled brush to gently scrub the instrument under warm running tap water, for a minimum of one minute.
2. Rinse and actuate the Retractor Lite to ensure all areas are accessed by the running water.
3. Prepare a warm water soap solution, using non-oily cleaner or mild detergent.
4. Dip the soft bristled brush into the detergent and use it to gently scrub the Retractor Lite until all visible soil is removed.
5. Rinse the instrument under warm, gently running tap water, distal end pointing down.
6. Repeat Steps 1 – 5.
7. Dry the Retractor Lite's using a clean, soft, lint-free cloth. Visually inspect the cloth to ensure no visible soil remains.\*

\* If visible or residual soil is found, entire Manual Cleaning process must be repeated

**DO NOT** immerse or rinse in cold water or other fluid, to avoid glass fiber breakage. Extensive breakage will result in light transmitting losses.

##### Sterilization

The Retractor Lite, Lite Clips and Lite Wand instrument case may be sterilized according to the recommendations below.

##### **Steam Autoclave Sterilization\*\* (Wrapped)**

Sterilizer Type: Prevacuum

Preconditioning Pulses: 3

Minimum Temperature: 132° C (270° F)

Full Cycle Time: 3 minutes

Minimum Dry Time: 30 minutes

(Wrap instruments in two layers of 1-ply polypropylene wrap, using sequential envelope folding techniques.)

\*\*The Retractor Lite will survive a maximum of 100 cycles of steam autoclave sterilization.

##### Warranty

The Retractor Lite is warranted to be free from defects in materials and workmanship under normal operating use for 60 days from the date of delivery. Fibers are not warranted against breakage. Please be cautious when handling and avoid stepping on or kicking the fiber optic cable to prevent damage.

Suitability for use of the Retractor Lite for any surgical procedure shall be determined by the user. Thompson Surgical shall not be liable for incidental or consequential damages of any kind. Warranty is void if the Retractor Lite is used with xenon light sources over 300W.

##### Service and Repair

For service, repair, or for return authorization, call our toll free number: 1-800-227-7543.