

SurgiTel

Fixed Headband Light w/ Iris Operation and Service Manual



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1. INDICATION FOR USE

Congratulations on the purchase of your new fixed headband light system.

This fiber optic headlight system is designed to deliver illumination from a high intensity light source for surgical site illumination. This operator manual will help you to install the device and optimally integrate it with other components of your system. It will also instruct you how to make adjustments, cleaning, maintenance and service guidelines as well as recommendations for best performance results.

2. GENERAL WARNINGS

- The user of this product should be thoroughly familiar with the use and care of this product.
- The user should carefully study the manual before making any attempt to use this product clinically.
- Follow the instructions in the operating manual of other manufacturer's equipment when used with this product.
- Before each procedure, carefully inspect the fiber optic cable to ensure the proper maintenance and sterilization (when recommended).
- Light sources using high intensity lamps will produce heat as well as light. The high output of such systems can cause burns.
- Use care not to point the light directly at the eyes during operation; the brilliant light can cause severe eye discomfort.

FIRE HAZARD: DO NOT DRAPE OR COVER THE LIGHT SOURCE OR THE FIBER OPTIC CABLE WHILE IT IS OPERATING. DO NOT PLACE THE FIBER OPTIC CABLE END ON ANY FLAMMABLE OBJECT WHILE IT IS OPERATING.

CAUTION: The metal end fittings of the fiber optic cable get hot during operation. Allow to cool outside the light source for at least 5 minutes before touching.

3. ASSEMBLING THE FIXED HEADBAND LIGHT SYSTEM

Before continuing, remove the protective caps.

To attach the fiber optic cable, insert the instrument end into the headlight module until it snaps in place (Figure 1).

To remove the cable, grasp the body of the light module in one hand and the metal part of the cable in the other and pull up.

Remember, the fiber optic cable is made of glass fibers. When adjusting the cable on the headband, do not bend the cable at an angle of more than 60 degrees.

Next, place the headband on your head; make size adjustments turning the knob on the top of the headband until it is just above the ears. Then turn the knob at the rear of the headband until it feels comfortable.

Once the headlight module and cable are connected, the unit is ready for use.

The system comes with gown clips to relieve the weight of the cable from the headband. One gown clip is attached just below the shoulder; the other is used to connect the cable to the surgeon's gown. This eliminates the risk of tripping or dropping the illuminator end.

CAUTION: *The metal portion of the fiber optic cable at the light source gets hot during operation. Allow cooling for a minimum of 5 minutes outside the illuminator before touching.*

3.1 SYSTEM CONFIGURATION

FIGURE 1



4. FIXED HEADBAND LIGHT W/ IRIS PACKAGE CONTENTS

Each fixed headband light system includes:

- Headlight module with variable focus from 20mm to 80mm spot size
- Ergo Headband
- 5mm fiber optic headlight cable
- Two garment clips
- Light source box FO cable adapter (not shown above)

5. MAINTENANCE

Storing the fixed headband light system in a safe place will prolong the life of the unit. Fiber optic cables are an optical instrument and subject to breakage. The following guidelines will help in sustaining the headlight systems useful life:

- Forming the cable in sharp angles and kinks should be avoided whenever possible. The internal fibers are made of glass that will break under these conditions.
- Keep the optical faces of the cable from touching hard surfaces which may cause scratches on the surface. Scratches on the surface will diminish the light output.
- When cuts or punctures are visible in the silicone tubing, the cable is no longer safe to use; it should be taken out of service immediately.

6. CLEANING

The headlight module can be wiped with alcohol. The lens should be cleaned only with lens tissue, available in any camera store; follow the directions on the package. Follow all applicable blood-borne pathogen procedures as required by OSHA and/or your hospital, when cleaning, disinfecting and sterilizing.

The headband can be cleaned with an alcohol wipe down or washed with a lukewarm solution of water and mild detergent. Rinse thoroughly.

The cable and optics module can also be cleaned with an alcohol wipe down.

WARNING: Do not autoclave the headband, lensed cables or optics module.

7. REPLACEMENT PARTS

<u>ITEM</u>	<u>PART #</u>
5mm Fiber Optic Cable	23934
Ergo Headband	23936
Fixed Headband Light w/ Iris Manual	25219
Olympus ACMI FO Cable Adapter	25075
Storz ACMI FO Cable Adapter	25085
Wolf ACMI FO Cable Adapter	25080

8. LIMITED WARRANTY

Your Fixed Headband Light w/ Iris carries a 3-year warranty from the date of purchase on workmanship and all defects of material, excluding headband and fiber optic cable. Should your product prove to have such defects within three years of the purchase, SurgiTel will repair or replace the product or component part without charge. Should your Fixed Headband Light w/ Iris need servicing under this warranty, you must contact SurgiTel customer service for a return materials authorization (RMA). You should carefully pack unit in a sturdy carton and ship it to the factory. Mark the package with the RMA number and please include a note describing the defects, your name, telephone number and a return address. Warranty does not cover equipment subject to misuse, accidental damage, normal wear and tear or if transferred to a new owner. This warranty gives you specific legal rights and you may also have other rights that vary from state to state.

POST WARRANTY REPAIRS: You may return your product(s) for repair by calling customer service to obtain an RMA number. Carefully package the unit and write the RMA number on the outside of the box. You are responsible for return shipping costs. Your product will be inspected and an estimate of repair charges will be submitted to you for approval. Payment must be received before repairs are completed.

In the U.S call:	800-959-0153
FAX number:	734-662-0520