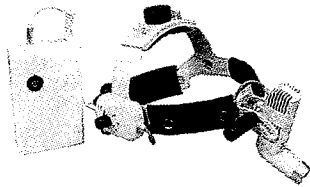



HEADLIGHT User's Guide



All four LEDs illuminated indicated a fully -charged battery,
If only the yellow LED illuminated, the battery must be recharged. Switch off the battery and recharge it by means of the transformer.

 Caution: Please use the appropriate battery. The battery should never be placed in municipal waste. Please check local regulations for disposal of batteries.

3.2 Battery use and care

The capacity of Lithium battery will be changed by it's using condition. For maximum battery capacity, use the battery in room temperature(10 °C~40 °C). Do not expose the battery to extreme temperatures, if the battery is used in high or low temperatures, the battery capacity will be reduced.



The old batteries should never be placed in municipal waste.

Thank you for purchasing this product. To prevent damage to your product or injury to yourself or to others, read the following safety precaution in their entirety before using this equipment. Keep these safety instructions where all those who use the product will read them.

Symbols:



Attention: Read User's Guide for cautions and instructions for use



CLASS II



Internal electrical power source

Warnings and Cautions



Warning: This product must not be used in the presence of flammable gases.



Warning: This product should not be immersed in fluids.



Warning: Do not shine the light directly into the patient's eyes.



Warning: Ensure that the headband power cord is located in the clips provided. The headlight body should not be left covered with a cloth or similar.



Warning: Federal law restricts this device to sale or order of a physician.

3.3 Cleaning and sterilization

- ◆ The outer surface of the instrument may be cleaned with wet cloth, the remaining stains can be cleaned off with the mixture of 50% alcohol and 50% distilled water. Do not wipe with any corrosive detergent lest that the surface should be damaged.
- ◆ Cleaning the lenses: Mirror-cleaning paper or a drop of liquid solvent (50% alcohol and 50% ather) may be used to clean the lens, blow it carefully. If there is dust stained on the lens, blow them with a blowball or brush them with a dust pen.



Caution: Be careful to prevent the solvent into the instrument.

1. Purpose and Features of the product

1.1 Purpose

The headlight is used for examination and surgical operation in multifarious microsurgery.

1.2 Features

- ◆ Light Source: Our LED without the heat of traditional Halogen headlight. With a color temperature of 6000 Kelvin, this light supplies bright, white, shadow-free light allowing the doctor to see tissue characteristics without distortion.
- ◆ Enjoy the flexibility of operating the headlight using the rechargeable Lithium battery, can use without the direct power source. It is one of the most comfortable lightweight headlights and suitable for all kinds of surgery.
- ◆ The headlight could be used when it is charging.
- ◆ Has low-battery indicator light.
- ◆ Adapts to any Binocular Loupes .
- ◆ Smart design, convenient for mobile diagnosis.

2. Operating Instructions

Attach the power cord by means of the clip provided. Place the instrument on your head and adjust for width and height to that it fits comfortably.

Connect the Headlight to the power adapter. Switch it on and use the headband right or left brightness control knob to select the required brightness.

Loosen the fixing screw to adjust the light head up and down and backwards or forwards. After adjustment, re-tighten the screw. The illuminated field of view can be selected by means of the slide control.

3. Maintenance

3.1 Battery charging and replacing

During charging the LEDs operate sequentially, in use they remain switched on. If the LEDs remain switched off, the unit is non-operational or the battery is switched off. The number of illuminated or sequentially-switched LEDs indicates the state of charge of the Li-ion battery . The state of charge is shown whether an instrument is connected or not.

4. Technical Specification

Optical specifications	
420mm illumination light spot	20-80mm
Illumination in 200mm working distance	≥ 75000 lx
Adjustable range	
Fluctuation distance	12.5mm
Angle range	Vertical ±25°
Weight	
Headlight (excluding head band)	69g
Electrical specifications	
Illumination Source	Extremely bright light, 5W LED, life 20000 hours continuous burn, do not need to change the LED lamp.
Battery	7.4 V Lithium battery
Battery Run-time	Not less than 7 hours continuous run-time on a fully charged battery.
Battery Charging-time	Not more than 5 hours
Rating Adapter Voltage	100VAC-240VAC 50Hz/60Hz
Maximum Adapter Input Power	15VA
Power Adapter Output	12V DC 1250mA
Electrical Safety	EN60601-1,EN60601-1-2 CLASS II Internal electrical power source

Environment requirements		
Operation	Environment Temperature	+10 °C - +40 °C
	Relative Humidity	30% - 75%
	Atmospheric Pressure	700 hPa - 1060 hPa
Storage	Environment Temperature	-40 °C - +55 °C
	Relative Humidity	10% - 90%
	Atmospheric Pressure	500 hPa - 1060 hPa