

Medical LED Headlight

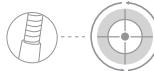
**Unique & Lightest With  
Superb Illumination**



# PRODUCT FEATURES

## Hose

- 360° adjustable range, easy positioning of lightbeam direction
- Firmly positioning even with repeated position changes



## Headband

- Wireless and compact, ingenious and artistic design
- Innovative polymer material, suitable for extreme working environments
- Outstanding portability and easy to fold without deforming
- Optimized ergonomic design ensures perfect comfort



# INNOVATIONS

## Optical System

Designed by the world's leading optical experts and manufactured by nano-scale processes. With the precise optical system, the output light spot is powerful and perfectly defined. The sophisticated design significantly reduces the housing size and realizes excellent coaxial and shadow-free lighting with the minimum housing diameter in the industry.

## Circuit System

The low-power intelligent constant-current control based on SMPS technology achieves super-long operating time, and the brightness maintains constant without any decline caused by low battery. The auxiliary circuits of battery monitoring, illumination adjustment and overheating protection can effectively increase the lifetime of battery and LED.

## Housing

- Achieve coaxial shadow free light with the smallest housing



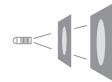
## Battery

- Li-ion polymer batteries, green, safe and reliable



## Light Spot

- Intelligent constant-current control to achieve stable illumination
- Create the most powerful and flawless light spot using innovative "photodynamic" design



## Positioning Mechanism

The flexible housing supporting system is made of special material, which leads to fully adjustable lightbeam direction, in strong contrast with other user-unfriendly operation designs, such as limited adjustable range and loosing parts after long time use.

## General Structure

With the ingenious and compact wireless design, the power supply wires are completely embedded into the ultra-thin headband where the high technology and aesthetics are perfectly matched. Thanks to the extra lightweight design and unique high strength headband materials, our headlight is the lightest one in the world.

### PROFESSIONAL TYPE

Designed to meet the need of diagnostic lighting, with easy operation and long operating time, it is suitable for popularized use.

Model	EL-Q40
Light Spot Diameter	65mm@400mm
Maximum Illumination	18,500Lux@200mm
Brightness Control	2 Levels
Battery Indication	Low battery warning with buzzer
Housing Diameter	18mm
Viewing Angle	Can be adjusted to any angle
Operating Time	High Lux – 9 hrs, Low Lux- 32 hrs
Color Temperature	5,500K-6,500K
LED Lifespan	100,000 hrs
Battery Capacity	Rechargeable and replaceable Li-ion polymer battery, 2,000mAh, 3.7V
Net Weight	150g (incl. battery)

### EXPERT TYPE

Best balance between the diagnostic and operation lighting, it is a must-have device to carry with for its excellent performance and portability.

Model	EL-P45
Light Spot Diameter	88mm@450mm
Maximum Illumination	40,000Lux@200mm
Brightness Control	5 Levels
Battery Indication	5 Levels
Housing Diameter	18mm
Viewing Angle	Can be adjusted to any angle
Operating Time	Various with working current, the longest time exceed 24 hrs
Color Temperature	5,500K-6,500K
LED Lifespan	100,000 hrs
Battery Capacity	Rechargeable and replaceable Li-ion polymer battery, 2,000mAh, 3.7V
Net Weight	150g (incl. battery)

### SURGICAL TYPE

Specially designed for operation lighting, its better ergonomic design and brighter illumination provides a crystal clear surgical field.

Model	EL-S50100	EL-S50100B
Light Spot Diameter	100mm@500mm	
Maximum Illumination	50,000Lux@200mm	
Brightness Control	5 Levels	
Battery Indication	5 Levels	
Housing Diameter	18mm	
Viewing Angle	Can be adjusted to any angle	
Operating Time	Various with working current, the longest time exceed 24 hrs	
Color Temperature	5,500K-6,500K	
LED Lifespan	100,000 hrs	
Battery Capacity	Rechargeable and replaceable Li-ion polymer battery, 2,000mAh, 3.7V	
Net Weight	150g (incl. battery)	



Especially designed for ENT diagnosis and treatment.



Recommend to be used in diagnosis,treatment and surgery for the departments of Gynecology, ENT, Stomatology and Emergency.



Recommend to be used in surgical operation, such as Spine Surgery, Neurosurgery, General Surgery and Cardiovascular Surgery.



PROFESSIONAL TYPE



EXPERT TYPE



SURGICAL TYPE



SURGICAL TYPE B