
ELBNOVA
Precision when it matters
Elbnova LED Medical HeadLight
Daylight Precision. Cable-Free
www.elbnova.com







General Description

The EH-100 is a self-contained medical headlight that delivers bright, clear illumination without external cables. Its high-efficiency LED light engine provides natural color rendering for clear visualization.
The integrated battery supports a compact and mobile setup. Featuring six brightness levels, an adjustable spot size, and a flexible tube arm, the beam aligns with your line of sight and holds its position during use.

Key Benefits

- Natural color rendering for clear visualization
- Cable-free operation with integrated Li-ion polymer battery
- Six-step brightness control for fast, repeatable setups
- Adjustable spot size and beam angle for precise positioning
- Long-life LED designed for up to 50,000 hours service life

Clinical Applications

Neurosurgery, Spine, Cardiac, Ophthalmology, Dermatology, ENT / Otorhinolaryngology, Orthopedics, General Surgery, Gynecology, First Aid / Outdoor Rescue / Field & Transport, and more.

Technical Specifications

Illumination intensity	7,000 lx @ 300 mm / 20,000 lx @ 200 mm (working distance)
Color temperature	6,000 K (daylight)
Brightness levels	6 steps (LED indicators show the current level)
Spot size	Adjustable (by rotating the lamp base)
Head/beam angle	Adjustable (tube arm articulation)
Power input (charger)	100–240 V AC
Operating time	Up to 5 hours per full charge (brightness dependent)
Battery	Integrated Li-ion polymer
LED lifetime	Up to 50,000 hours
Controls	Upper button: power on / increase; lower button: power off / decrease
Status indication	Six LEDs display the brightness; startup flashes indicate battery level

Warranty

12 months from the date of purchase (covers manufacturing defects).

Manufacturer

Elbnova GmbH
Usedomstraße 14
22047 Hamburg
Germany

+49 40 28789833
info@elbnova.com
www.elbnova.com

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ISO 13485