



ISOLUX

IsoLED MAGNUM

The IsoLED Magnum, a Battery operated Portable LED Headlight is an optimal luminaire option for Neuro, Plastic or Thoracic surgeries .



The unit comes with a durable carrying Case, containing the following items:

- Headlight and Headband
- 2 Meter Connecting Cable
- 2 Battery Packs with clips
- Wall Mounted Battery Charger

The Magnum's high efficiency design allows for reduced energy consumption and reduced cost of ownership (around 1/3 of halogen lamps), while its fifty thousand hours of LED life provides for a maintenance free device with an end life of

The unit provides infinite mobility and isn't confined by access to power sockets; with its charge lasting more than 3 ½ hours at full intensity. The Magnum's light beam is extremely homogeneous and free of imperfections. The diameter is adjustable, allowing for modification of the illuminated area. Three fixed settings allow for quick change of illumination. The "Low Battery" alarm provides, both vibration and flashing red indicators, the operator with a 3 minute window in which to hot switch Battery Packs. A safety feature shuts the drive to the LED if its cooling fan is damaged or the connection is broken. In the low illumination setting, the fan is disabled for "no-noise" operation. The Magnum's light-weight battery packs have a retention clip to be used on the user's belt/pocket . The wall mounted Battery Charger includes a Charge Monitor that alerts the operator when the Battery is fully charged.

SPECIFICATIONS

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| Maximum Illumination | > 75,000 lux @ 30 cm; > 170,000 lux @ 20 cm |
| LED Life | >50,000 hours |
| Color Temperature | 4,500 °K |
| Color Rendition Index (CRI) | 75 Typical |
| Light Degradation | None |
| Spot Size | 10mm to 100mm at 400mm/16" working distance |
| 3 Intensity Settings | Low: >32,000 lux; Medium: > 45,000 lux; High: > 75,000 lux |
| Operating Time | Low intensity: 9 Hrs; Medium Intensity: 6 Hrs; High Intensity: 3 1/2 Hrs |
| Normal Recharge Time | 3.6 hours |
| Quick Recharge Time | 2 hours, for 3 hours of maximum intensity |
| Headband | Dual ratchet or soft velcro |
| Weight (headlight) | 290 grams (LED, headband, cable and optics) |
| Weight (battery) | 290 grams |
| Size (control unit/battery pack) | Width: 100 mm x Length: 120 mm x Depth: 30 mm |

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