

MAVIG LED LAMPS

Portfolio / Overview of Technical Data

The latest generation of lamps with LED (Light Emitting Diode) technology makes it easier for users to work and concentrate for long periods without fatigue.

LED lamps are designed to make the finest colour changes and structures visible in the wound area, with natural colour rendering, precise illumination of the wound area and easy positioning of the lamp body.

With a continuous illumination time of at least 50,000 hours, or four and a half years, our LEDs have an enormously long service life and therefore help to protect the environment. LEDs are also insensitive to vibrations. This enables them to be used under the toughest of mechanical stress.



| Technical Data | LED120F | YLED-1F | LED150F | LED2 MC | LED2 SC | LED3 MC | LED3 MC Smart | LED3 SC |
|---|----------------|-------------------|----------------|----------------|----------------|----------------|-------------------|----------------|
| Article no. of lamp including suspension arm (extension arm 750 mm) | LE70041 | LE7017100 | LE7026100 | LE70045 | LE70044 | LE70074 | LE7056110 | LE70072 |
| Article no. of lamp including suspension arm (extension arm 950 mm) | LE90041 | LE9017100 | LE9026100 | LE90045 | LE90044 | LE90074 | - | LE90072 |
| Article no. of lamp including spring arm only | - | LE6017100 | LE6026100 | LE70045FA | LE70044FA | LE70074FA | LE6056110 | LE70072FA |
| Central illuminance (at 1 m distance) | 50,000 lx | 70,000 lx | 110,000 lx | 115,000 lx | 115,000 lx | 140,000 lx | 160,000 lx | 160,000 lx |
| Colour temperature (± 200 K) | 4500 K | 4100 K | 4500 K | 3750 - 4750 K | 4500 K | 3750 - 4750 K | 3750 - 4750 K | 4500 K |
| Colour rendering index R _a | ≤ 95 | ≤ 95 | ≤ 95 | ≤ 96 | ≤ 95 | ≤ 96 | ≤ 95 | ≤ 95 |
| Focusable illuminated field size (at 1 m distance) | 150 - 200 mm | 140 - 250 mm | 180 - 250 mm | 140 - 280 mm | 140 - 280 mm | 170 - 280 mm | 170 - 280 mm | 170 - 280 mm |
| Electronic brightness control (dimming range) | 50 - 100% | 50 - 100% | 50 - 100% | 50 - 100% | 50 - 100% | 50 - 100% | 50 - 100% | 50 - 100% |
| Temperature increase in the head area | ≤ 0.5 K | ≤ 0.5 K | ≤ 0.5 K | ≤ 0.5 K | ≤ 0.5 K | ≤ 0.5 K | ≤ 0.5 K | ≤ 0.5 K |
| Power consumption (total) | 18 VA | ≤ 24 VA | 35 VA | 70 VA | 30 VA | 120 VA | 60 VA | 45 VA |
| Mains voltage and frequency (100–240 VAC at 50–60 Hz) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Power supply unit / power supply | External | ▶ Internal | External | External | External | External | External | External |
| Number of LED modules | 12 | 17 | 26 | 84 | 21 | 112 | 28 | 56 |
| Service life of lamp | ≥ 50,000 h | ≥ 50,000 h | ≥ 50,000 h | ≥ 50,000 h | ≥ 50,000 h | ≥ 50,000 h | ≥ 50,000 h | ≥ 50,000 h |
| Working range | 70 - 140 cm | 70 - 140 cm | 70 - 140 cm | 60 - 150 cm | 60 - 150 cm | 60 - 150 cm | 60 - 150 cm | 60 - 150 cm |
| Height adjustment (on Portegra2 spring arm) | 117 cm | 117 cm | 117 cm | 117 cm | 117 cm | 117 cm | 117 cm | 117 cm |
| Sterilisable handle | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Dimensions of the lamp body | 29 cm Ø | 28 x 36 cm | 40 cm Ø | 49 cm Ø | 49 cm Ø | 57 cm Ø | 57 cm Ø | 57 cm Ø |
| HD remote camera (wireless) | - | - | - | - | - | - | ▶ optional | - |
| Light head weight | 1.9 kg | 2.4 kg | 3.5 kg | 13.0 kg | 12.0 kg | 15.0 kg | 15.0 kg | 14.0 kg |
| Pollutant-free in accordance with EU Directive | 2011/65/EU | 2011/65/EU | 2011/65/EU | 2011/65/EU | 2011/65/EU | 2011/65/EU | 2011/65/EU | 2011/65/EU |
| RoHS compliant | RoHS compliant | RoHS compliant | RoHS compliant | RoHS compliant | RoHS compliant | RoHS compliant | RoHS compliant | RoHS compliant |
| IP protection class | IP42 | ▶ IP44 | IP42 | IP42 | IP42 | IP42 | v | IP42 |
| Fire protection class | V0 | V0 | V0 | V0 | V0 | V0 | V0 | V0 |
| Medical Product - (EU) 2017/745 MDR | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Usage in accordance with DIN VDE 0100-710 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Certified | CE / NRTL | CE / NRTL | CE / NRTL | CE / NRTL | CE / NRTL | CE / NRTL | CE / NRTL | CE / NRTL |

*F Focusable

*MC Multi Colour Colour temperatures (Kelvin) 3750, 4000, 4250, 4500, 4750
 *SC Single Colour Colour temperature (Kelvin) 4500