

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.



Web: Lamps

With a continuous illumination time of at least 60,000 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 SC | LED3 SC | LED6 MC | LED6 MC | LED6 MC |
|---------------------------------------------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| Article no. of lamp including suspension arm (extension arm 750 mm) | LE70041 | LE7017100 | LE7026100 | LE70044 | LE70072 | LE7069111 | LE7069111L | LE7069111KVS |
| Article no. of lamp including suspension arm (extension arm 950 mm) | LE90041 | LE9017100 | LE9026100 | LE90044 | LE90072 | - | - | - |
| Article no. of lamp including spring arm only | - | LE6017100 | LE6026100 | LE70044FA | LE70072FA | LE6069111 | LE6069111L | LE6069111KVS |
| Central illuminance (at 1 m distance) | 50,000 lx | 70,000 lx | 110,000 lx | 115,000 lx | 160,000 lx | 160,000 lx | 160,000 lx | 160,000 lx |
| Colour temperature (± 200 K) | 4500 K | 4100 K | 4500 K | 4500 K | 4500 K | 3750 - 4750 K | 3750 - 4750 K | 3750 - 4750 K |
| Colour rendering index R _a | 96 | 95 | 96 | 96 | 96 | 98 | 98 | 98 |
| Focusable illuminated field size (at 1 m distance) | 130 - 180 mm | 140 - 250 mm | 160 - 240 mm | 160 - 230 mm | 170 - 250 mm | 180 - 300 mm | 180 - 300 mm | 180 - 300 mm |
| Electronic brightness control (dimming range) | 50 % - 100 % | 50 % - 100 % | 50 % - 100 % | 50 % - 100 % | 50 % - 100 % | 30 % - 100 % | 30 % - 100 % | 30 % - 100 % |
| | | 5 % (Endo) | 5 % (Endo) | 5 % (Endo) | 5 % (Endo) | 5 % (Endo) | 5 % (Endo) | 5 % (Endo) |
| Max. 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) | 9 VA | 24 VA | 24 VA | 30 VA | 30 VA | 87 VA | 87 VA | 92 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 | 21 | 28 | 69 | 69 | 66 |
| Service life of lamp | ≥ 60,000 h | ≥ 60,000 h | ≥ 60,000 h | ≥ 60,000 h | ≥ 60,000 h | ≥ 60,000 h | ≥ 60,000 h | ≥ 60,000 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 | 57 cm Ø | 58 cm Ø | 58 cm Ø | 58 cm Ø |
| HD remote camera (wireless) | - | - | - | - | - | - | - | ▶ optional |
| Light head weight | 1.9 kg | 2.4 kg | 3.5 kg | 11.5 kg | 15.2 kg | 16.0 kg | 16.2 kg | 16.5 kg (LED6 only) |
| Pollutant-free in accordance with EU Directive | 2011/65/EU RoHS compliant | 2011/65/EU RoHS compliant | 2011/65/EU RoHS compliant | 2011/65/EU RoHS compliant | 2011/65/EU RoHS compliant | 2011/65/EU RoHS compliant | 2011/65/EU RoHS compliant | 2011/65/EU RoHS compliant |
| IP protection class | IP42 | ▶ IP44 | IP42 | IP42 | IP42 | IP54 | IP54 | IP53 |
| 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
*SC Single Colour

Colour temperatures (Kelvin) 3750, 4000, 4250, 4500, 4750
Colour temperature (Kelvin) 4500