

# MAVIG LED LAMPS

## Portfolio / Technical Data Overview

The latest generation of luminaires with LED technology (light-emitting diode) makes it easier for users to work concentrated for long periods without fatigue.

LED lamps are designed to reveal the slightest difference in colour and tissue structure of the wound field. Additional features: natural colour reproduction, precise illumination of the wound area, and easy positioning.

With a continuous illumination time of at least 50,000 hours, or five and a half years, our LEDs have an enormously long lifetime, and therefore help to protect the environment. LEDs are resistant to physical impact. This makes them suitable for environments that require robust mechanical features.



Technical Data	LED120F	YLED-1F	LED150F	LED2 MC	LED2 SC	LED3 MC	LED3 SC
Central light intensity (at 1 m distance)	40,000 lx	70,000 lx	110,000 lx	115,000 lx	115,000 lx	140,000 lx	160,000 lx
Colour temperature (± 200 K)	4300 K	4100 K	4500 K	3750 - 4750 K	4500 K	3750 - 4750 K	4500 K
Colour rendering index R <sub>a</sub>	≤ 95	≤ 95	≤ 95	≤ 96	≤ 95	≤ 96	≤ 95
Focusable light field size (at 1 m distance)	140 - 250 mm	140 - 250 mm	180 - 250 mm	140 - 280 mm	140 - 280 mm	170 - 280 mm	170 - 280 mm
Electronic brightness control (dimming)	50 % - 100 %	50 % - 100 %	50 % - 100 %	50 % - 100 %	50 % - 100 %	50 % - 100 %	50 % - 100 %
Temperature increase in head area	≤ 0.5 K	5 % (Endo) ≤ 0.5 K	5 % (Endo) ≤ 0.5 K	5 % (Endo) ≤ 0.5 K	5 % (Endo) ≤ 0.5 K	5 % (Endo) ≤ 0.5 K	5 % (Endo) ≤ 0.5 K
Power consumption (total)	18 VA	≤ 24 VA	35 VA	70 VA	30 VA	120 VA	45 VA
Mains voltage and frequency (100 - 240 VAC at 50 - 60 Hz)	✓	✓	✓	✓	✓	✓	✓
Power supply	external	▶ internal	external	external	external	external	external
Number of LED modules	12	17	26	84	21	112	56
Lifetime of LEDs	≥ 50,000 h	≥ 50,000 h	≥ 50,000 h	≥ 50,000 h	≥ 50,000 h	≥ 50,000 h	≥ 50,000 h
Working area	70 - 140 cm	70 - 140 cm	70 - 140 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
Sterilisable handle	✓	✓	✓	✓	✓	✓	✓
Lamp dimensions	29 cm Ø	28 x 36 cm	40 cm Ø	49 cm Ø	49 cm Ø	57 cm Ø	57 cm Ø
HD camera (wireless)	-	-	-	-	-	-	-
Lamp weight	1.9 kg / 4.2 lbs	2.4 kg / 5.3 lbs	3.5 kg / 7.7 lbs	13.0 kg / 28.7 lbs	12.0 kg / 26.5 lbs	15.0 kg / 33.1 lbs	14.0 kg / 30.9 lbs
Hazardous substances according to 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
IP protection class	IP42	▶ IP44	IP42	IP42	IP42	IP42	IP42
Fire protection class	V0	V0	V0	V0	V0	V0	V0
Medical device - Directive 93/42/EWG	✓	✓	✓	✓	✓	✓	✓
Use according to DIN VDE 0100-710	✓	✓	✓	✓	✓	✓	✓
Approvals	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