

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 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.



Web: Lamps



Technical Data	LED120F	YLED-1F	LED150F	LED2 SC	LED3 SC	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	160 - 230 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	26 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	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
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