

MAVIG LED LIGHTS

Portfolio / Overview of Technical Data

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

LED lights 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 light 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: Lights



Technical Data	LED120F	YLED-1F	LED150F	YLED-2F	YLED-3F	LED6 MC*	
Article no. of light including suspension arm (extension arm 750 mm)	LE70041	LE7017100	LE7026100	LE70361002	LE70361003	LE7069111	LE7069111KVS
Article no. of light including suspension arm (extension arm 950 mm)	LE90041	LE9017100	LE9026100	LE90361002	LE90361003	-	-
Article no. of light including spring arm only	-	LE6017100	LE6026100	LE60361002	LE60361003	LE6069111	LE6069111KVS
Central illuminance (at 1 m distance)	50,000 lx	70,000 lx	110,000 lx	130,000 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
Colour rendering index R _a	96	95	96	97	97	▶ 98	▶ 98
Focusable illuminated field size (at 1 m distance)	130 - 180 mm	140 - 250 mm	160 - 240 mm	180 - 230 mm	180 - 230 mm	180 - 300 mm	180 - 300 mm
Electronic brightness control (dimming range)	50 % - 100 %	50 % - 100 %	50 % - 100 %	28 % - 100 %	28 % - 100 %	30 % - 100 %	30 % - 100 %
		5 % (Endo)	5 % (Endo)	5 % (Endo)	5 % (Endo)	2 % (Endo)	2 % (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
Power consumption (total)	▶ 9 VA	24 VA	24 VA	38 VA	46 VA	75 VA	87 VA
Mains voltage and frequency (100 - 240 VAC at 50 - 60 Hz)	✓	✓	✓	✓	✓	✓	✓
Power supply unit / power supply	external	▶ internal	external	external	external	external	external
Number of LED modules	12	17	26	36	36	69	66
Service life of light	≥ 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	70 - 150 cm	70 - 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	✓	✓	✓	✓	✓	✓	✓
Dimensions of the light body	29 cm Ø	28 x 36 cm	40 cm Ø	55 cm Ø	55 cm Ø	58 cm Ø	58 cm Ø
HD remote camera (wireless)	-	-	-	▶ optional**	▶ optional**	-	▶ optional**
Light head weight	1.9 kg	2.4 kg	3.5 kg	8.6 kg	11.5 kg	16.0 kg	16.5 kg (only LED6)
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
	RoHS compliant	RoHS compliant	RoHS compliant	RoHS compliant	RoHS compliant	RoHS compliant	RoHS compliant
IP protection class	IP42	▶ IP44	IP42	IP42	IP42	▶ IP54	▶ IP53
Fire protection class	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

*F Focusable

*MC Multi Colour
**optional Camera

Colour temperatures (Kelvin) 3750, 4000, 4250, 4500, 4750
KAM02 (+8 VA) for LED6, KAM03 (+7 VA) for YLED-2F and YLED-3F