

Parameter	EMALED 200	EMALED 300	EMALED 560	EMALED LU 602	EMALED LU 202
Illumination (at 1 m)	50.000 lx	100.000 lx	160.000 lx	160 <sub>-16</sub>	50 klux
Color temperature, K	4.500 K	4.500 K	4.500 K	4500	4500
Color rendering index (Ra)	97±2	97±2	97±2	97±2	97±2
R9 index, not less than up to 100	> 95	> 95	> 95	>95	>95
R13	100	100	100	100	100
Number of LEDs, pcs	7	42	70	85	8
Life expectancy of LEDs, h	60.000	60.000	60.000	60.000	60.000
Light field diameter D10 at a distance of 1m, mm	160±15% mm	15cm-max 30cm	185-350 mm	200-350	170±20 mm
Focus Regulation	fix	electronically	electronically		
Lamp head height adjustment range, mm	1.150 mm	1.000 mm	1.150 mm		
Illumination adjustment ,%	30-100%	10-100%	10-100%	10-100	20-100
Depth of illumination L1+L2 at 60%	1200 mm	1000 mm	800 mm	800 mm	1200 mm
Depth of illumination L1+L2 at 20%	1700 mm	1500 mm	1200 mm	1200 mm	1700 mm
Lighting unit weight, kg, not more than	1 kg	4,0 kg	9,5 kg	15	1,5
Operating distance, cm	70-140 cm	70-140 cm	70-140 cm	180-1500 cm	80-150 cm
The ratio of the irradiance value (Ee) to the central illumination (Ec), mW / (m2lux), not more than	3,3 W/m <sup>2</sup> lx	3,3 mW/m <sup>2</sup> lx	3,3 mW/m <sup>2</sup> lx	≤6	≤6
Total irradiance (Ee) of the light field of each lighting unit, W / m <sup>2</sup>	211 W/m <sup>2</sup>	414 W/m <sup>2</sup>	544 W/m <sup>2</sup>	401,6 W/m <sup>2</sup>	135,5 W/m <sup>2</sup>
Endomodus	no	no	yes ca. 5 % of light intensity	yes ca 5 % of light intensity	No
Number of illumination adjustment, steps	3 steps	10 steps	10 steps	10 steps	5 steps
Color temperature adjustment, Steps			5 steps (3500-5000 K), optional	—	—
Action radius	min. 1.520 mm	min. 1.750 mm	min. 1.750 mm		
Inflow area	ca. 312 cm <sup>2</sup>	805cm <sup>2</sup>	ca. 1.950 cm <sup>2</sup>		
Power consumption from the	10 VA	24 VA	60 VA	10	30
Power consumption (Watt)	60 VA	60 VA			
Power consumption LK+NT (Watt)	70 VA	84 VA			
Power consumption NT Standby	0,3 VA	0,3 VA			
Power consumption 1 LED	0,15 VA				
Diameter of light head	24cm	44cm	65cm	65 cm	24 cm
Baldachin dimensions	Diameter 18,5 cm	13 cm (Height)			
Rotation of lighting units			360°	Not limited 360°	Not limited 360°
Removable handle sterilization				134 °C	134 °C
Average life cycle, years, not				8	8
Setting parameters using the				Yes	Yes
Setting parameters with a				Yes	Yes
one shadow mask	98%	97%	71%	71,1	—
two shadow masks	50%	47%	48%	48	40
at the bottom of the tube	98%	97%	77%	76,8	98
at the bottom of the tube with	98%	97%	49%	73,1	—
at the bottom of the tube with	40%	46%	37%	36,7	40
Mains supply voltage, V	230V	230V	100 – 240 V/24	240 V	230 V
Working voltage	24 V DC	24 V DC	24 V DC		
Vertical weight force	107 N	268 N	450 N		
Torsionsmoment	45 Nm	99,45 Nm	440 Nm		
Photometric radiation	312 lm/W	312 lm/W	303lm/W		

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