



Technical Data: Flex°Lux 9 Minor Surgery Light

	Units	Flex°Lux 9
Photometrical Data:		
Central Illumination Ec (1m)	[lx]	100,000
Electronic Dimming Range	[lx]	25,000-100,000
Light Field Diameter d10 at a Distance of (1m)	[mm]	[170]
Colour Temperature	[K]	4,500
Colour Rendering Index	Ra (1-8)	96
Red Rendering Index	R9	96
Total Irradiance (with 100.000 lx)	[W/m ²]	181
Illumination Depth Without Additional Focusing L1/L2	[mm]	1530
Working Range Without Additional Focusing	[mm]	150-1680
Light Emitting Surface	[cm ²]	622
Temperature Increase at Surgeon's Head	[°C]	< 1
LED - Light Source	[units]	6 x 3 = 18
Residual Illumination With 1 Shadow-Caster	[%]	not measurable
Residual Illumination With 2 Shadow-Casters	[%]	44
Residual Illumination With 1 Tube	[%]	100
Residual Illumination With 1 Tube and 1 Shadow-Caster	[%]	not measurable
Residual Illumination With 1 Tube and 2 Shadow-Casters	[%]	43
Efficiency of max. Light Intensity to max. Power Consumption (100.000 lx / 25 W)	[lx/W]	4.000
Electrical Data:		
Power Supply incl. Mounting Plate (LxWxH)	[mm]	[92x60x31]
Power Supply - Primary Voltage	[V]	90-240
Input Voltage at Light Head	[V]	20-33
Typical Input Voltage	[V]	24
Maximum Current Consumption	[A]	1
Typical Current Consumption	[A]	0.85
Power Consumption with 24 V	[W]	25
Life Time of Light Source	[h]	>50,000
Classification According MDD		I
Protection Class According IEC 60601		I
Suspension Protection Class	IP	IP 30
Light Housing Protection Class	IP	IP 42



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Mechanical Data:		
Operating Range	[mm]	1,610
Adjustment of the Spring Arm	[mm]	1,230
Approx. Weight of a Standard Ceiling Tube	[kg]	10.5
Approx. Weight of the Suspension	[kg]	5.3
Approx. Weight of the Spring Arm AC 2000	[kg]	4.5
Approx. Weight of the Power Supply	[kg]	0.5
Approx. Weight of the Light Head	[kg]	15
Total Weight	[kg]	23.8
Vertical Force	[N]	ca. 324
Moment of torque	[Nm]	ca. 130
Ceiling Cover Measurements	[mm]	Ø380 x 160 (80)
Thickness of the Light Head	[mm]	ca. 57
Light Head Measurements	[mm]	335 x 298

