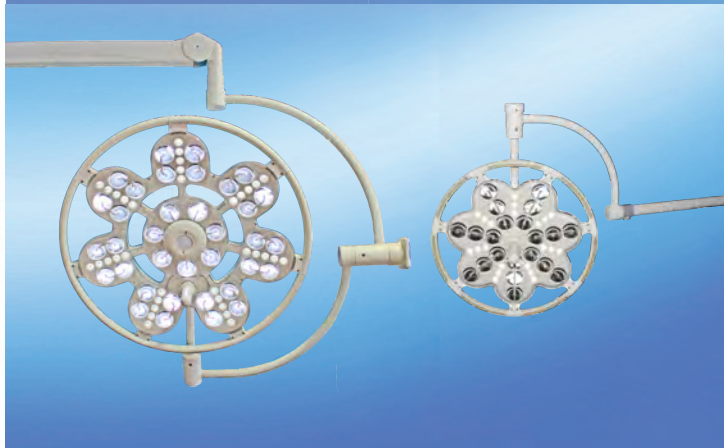# EMALED | **SURGICAL LIGHT 500-300**

FIELD OF APPLICATION:

- The surgical light combination EMALED 560/300 is an economically attractive solution in which both lights with an illuminance of 120,000 lux to illuminate larger intervention fields almost shadow-free.

- Illumination:
- 120.000 lx (500), 100.000 lx (300)

TECHNICAL DETAILS

	Surgical Light 500	Surgical Light 300
Illumination	120.000 lx	100.000 lx
Lighting intensity	10 – 100 %	10 – 100 %
Diameter of operating field D_{10}	min 180 mm / max 350 mm	min 150 mm / max 300 mm
Diameter of operating field D_{50}	104 mm	90 mm
Operating distance	70 – 140 cm	70 – 140 cm
Colour temperature	4.500 K	4.500 K
Colour rendering index	95 Ra	95 Ra
Total irradiance	544 W/m²	300 W/m²
Irradiance	3,3 W/m² lx	3,3 W/m² lx
life expectancy	50.000 St.	50.000 St.
Residual illumination		
with one mask	71 %	-
with two masks	48 %	47 %
with tube	77 %	97 %
with tube and one mask	49 %	-
with tube and two masks	37 %	46 %
Electrical Parameters		
Main voltage	100 – 240 V / 24 V	230 V
Frequency	50 – 60 Hz	50 – 60 Hz
Power consumption	60 VA + 60 VA	24 VA
Mechanical Parameters		
Height adjustment of the light head	1.150 mm	1.500 mm
weight of lighting element	9,5 kg	4,0 kg
weight incl. support frame	95 kg	

SURGICAL LIGHT 500-300

The surgical light combination EMALED 500/300 can illuminate wider operating field almost without any shadow having a lamp diameter of 61mm and an illumination intensity of 120.000 lx each.

- Diameter of operating field:
  Emaled 500: 180 - 350 mm (focusable)
  Emaled 300: 150 - 300 mm (focusable)
- High light quality through natural colour rendering
- No infrared and ultraviolet radiation
- Long durability of LED's (at least 50.000 hrs)
- Lamp shows low release of heat
- No moveable parts in the light bodies – low costs for maintenance
- High movement: 360 degrees vertical rotation
- Low power consumption of 60 VA per lamp only

Optional:

- Control panel to operate several lamps by remote control
- Battery emergency power supply
- Video camera (HD or SD) implemented in the light body

LABEL