

MACH LED 3 SMART Ceiling mounted

Data sheet no. 59000582 / A05



FEATURES

- Merging of light fields
- Light intensity control
- Comfortable display and key-pad
- Colour temperature adjustment
- ON/OFF switch

FEATURES (Optional)

- Integrated laser-pointer
- Higher light intensity

Surcharge
Surcharge

DIFFERING NAME OF THE LIGHT

The light Mach LED 3 Smart has also the internal
Name Mach LED 3MC Smart

Technical specifications

	Mach LED 3 Smart	Mach LED 3 Smart*
Central light intensity at a distance of 1 meter	140.000 Lux	160.000* Lux
Light field diameter d ₁₀	170 mm	170 mm
Light field diameter d ₅₀	100 mm	100 mm

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Light intensity with one shadower	61%	60%
Light intensity with two shadowers	49%	50%
Light intensity on the ground of a normed tube	100%	100%
Light intensity on the ground of a normed tube with one shadower	61%	60%
Light intensity on the ground of a normed tube with two shadowers	49%	51%
Illumination depth 20%	1200 mm	1200 mm
Illumination depth 60%	530 mm	520 mm
Colour rendering index R _a	95	95
Colour rendering index R ₉	90	90
Max. radiation intensity in the field at a distance of 1 meter	499 W/m ²	567 W/m ²
Max. radiation intensity in the field at a distance of 0,90 meter	537 W/m ²	672 W/m ²
Luminous efficacy	280 lm/W	282 lm/W
Focusable light field size	17-28 cm	17-28 cm
Colour temperature (Kelvin)	3750,4000,4250,4500,4750 K	3750,4000,4250,4500,4750 K
Temperature increase in head area	0,5 °C	0,5 °C
Number of LED's	56	56
Life span of LED's	60.000 h	60.000 h
Light head diameter	57 cm	57 cm
Working distance	60-150 cm	60-150 cm
Height adjustment	118 cm	118 cm

*Surcharge for higher light intensity

Remark:

The technical data are subject to fluctuations. Due to manufacturing reasons the real values can slightly differ from the data mentioned above.

The values for R_a can differ with approx ± 5%.

The values for the colour temperature can differ with approx ± 200K.

Electrical specifications

	Mach LED 3 Smart	Mach LED 3 Smart *
Power consumption	60 W	70 W
Operating voltage DC	24 V – 30 V	24 V – 30 V
Current	2,5 A	3 A

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Electrical Protection class	I.
Medical device classification (according to 93/42/EEC Annex IX)	I.
Protection type of the lamp head as per IEC 60529	IP 42
Protection type of the suspension arms as per IEC 60529	IP 20

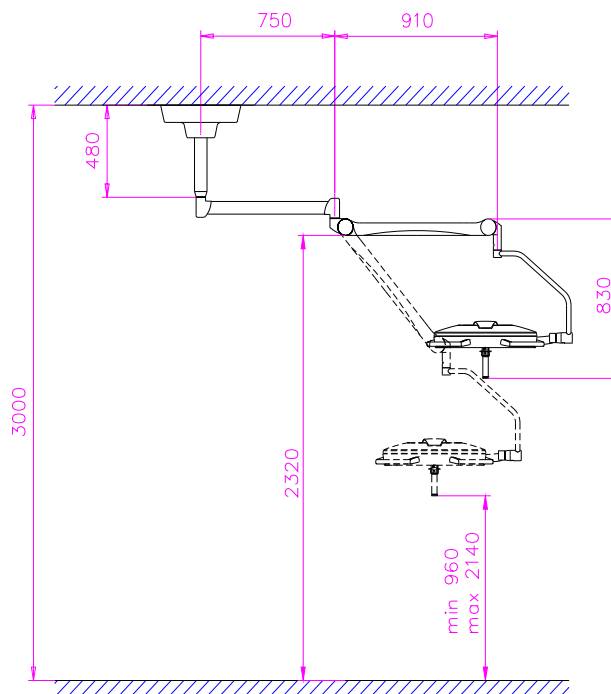
Protection and approval in accordance with EU directive 93/42/
EEC Annex IX

Mechanical specifications

360° continuous rotation around all major joints	
Adjustable brakes at the horizontal arm	
Height adjustment	1180 mm
Min. roomheight	
Single lamp head	2700 mm
Depending on the lamp combination	
Passing height	approx. 2000 mm
Detachable handle, sterilisable at 134° C	
Torque	360 Nm

Weight

Light head	15 kg
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Subject to technical modification

23.05.2019