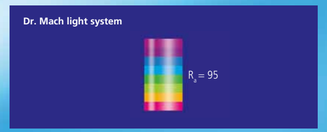
Dr. Mach LED-technology



Superiour colour rendition

With an outstanding colour rendering index R_a = 95 the surgeon recognizes clearly the tiniest nuances of colour in tissue.

The colour spectrum of the surgical field is rendered naturally with rich contrast. The OT-light clearly provides welcome relief for your eyes.

Facetted multi-lens system

A multitude of computer-calculated facetted lenses guarantees homogeneity and lowest shadiness in the light field. Separately arranged optical systems, each with one LED module, generate their own light field, which increases the contrast effect of the OR light. Light intensities of 35.000 Lux at a distance of 0,5 meters can be can be attained without difficulty.

Key pad on the lamp housing

The light can be switched on and off electronically at the key pad on the light head.

Handling

During development high attention was paid to easy handling and high ease of maintenance. The light can be positioned exactly to the wound field with the flexible connecting element.

Long life-span/low power consumption

The life-span of more than 40.000 operating hours reduces the costs for exchanging and replacing the illuminants considerably, compared with the conventional halogen technology used with former OT-lights. By implementation of the LED technology the power consumption could be reduced with more than 50% to conventional halogen lights.

Cool light

The LED technology is much more effective than conventional light sources such as halogen bulbs. The heat radiation is reduced to a minimum.

Mach LED 110

Subject to change without notice due to technical modification · 59000321 A01 · Version 04/2013

Dr. Mach
Medical lighting
+Technology

Mach LED 110

Compact examination light with LED-technology

LED EXAMINATION LIGHTS

Mach LED 110 examination lights

Mach LED 110
30.000 Lux (at 0,5 m distance)

Compact examination light with LED-technology
for diagnosys and prophylaxis

Mach LED 110 with fixation clamp for supply rails

Mach LED 110 with fixation on round and rectangular tubes

Mach LED 110 on five feet mobile stand

Mach LED 110 with fixation plate

Mach LED 110, table mounted light with fixation clamp

Mach LED 110 with wall fixation

Technical data Mach LED 110 light system	**Mach LED 110**
Light intensity in Lux at 0,5 meter distance	30.000
Colour rendering index R_i [1] at 4500 Kelvin	95
Focussable light field size (in cm)	10 (Fixed focus)
Colour temperature (Kelvin)	4000
Electronic light intensity control at the lamphead	0,5 °C
Total power consumption	7 W
Number of LEDs	3
Life-span of the LEDs	≥ 40.000 h
Lamphead diameter (in cm)	12

[1] R_a is an average of R_1 = burnt pink, R_2 = mustard yellow, R_3 = yellow green, R_4 = light green, R_5 = turquoise blue, R_6 = skyviolet, R_7 = violet, R_8 = lilac. Maximum value = 100.