

LED 3 MC – OR-Lamp

The next level of latest LED technology is the LED 3 surgical lamp in the multi colour version. The LED 3 MC model can be additionally upgraded to fit an optional video camera to view and record procedures.

Characteristics

A large range of flexibility is offered by allowing the operator to regulate the lamp from its control panel or the sterilizable handle.

It is possible to individually adjust the colour temperature to 3750, 4000, 4250, 4500, and 4750 K. The setting can be done either at the control panel or the sterilisable handle.

The light of the different coloured LED's is already merged inside the computer calculated optical system with light guide and faceted lenses. This means: The composed light leaves the optical system as white light and is dispersed over the wound field homogeneously. Colour shadows in the light beam of the OR light caused by the surgeon's head, shoulder or hands are avoided by the colour composition in the optical system.

With colour rendering indexes $R_a = 96$ and $R_9 > 90$ you will readily recognize the tiniest nuances of colour in tissue, especially for the colours red and yellow. The colour spectrum of the wound is rendered naturally with rich contrast. This OR-light provides a welcome relief for the eyes. The exact rendition of the colour red was emphasized. $R_9 > 90$ means for the surgeon a visibly better recognition of details.

By using LED technology the heat radiation is reduced to a minimum without using any expensive filter technique. The temperature increase in the surgeon's head as well as wound area is almost non-existent. Thus tissue will never dry out again from the OR light.

The integrated laser pointer always indicates the middle of the light field and helps the surgeon optimally align the lamp to the wound area.



Are you interested in our Lamp LED 3 MC? Please send us a nonbinding request for a quote.

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Technical Data

Scope of Delivery: Lamp with Sterilizable Handle, Power Unit, Portegra2 Extension and Spring Arm

- Light intensity at 1 meter distance: 130,000 lux
- Colour rendering index R(a) at 4500 Kelvin: 96
- Focusable light field size: 170 – 280 mm
- Colour temperature: 3750 Kelvin, 4000 Kelvin, 4250 Kelvin, 4500 Kelvin, 4750 Kelvin
- Electronic light intensity control: 50 – 100 % Dimming
- Power consumption: 120 VA
- Number of LED's: 112
- Lifespan of the LED's: > 40,000 h
- Working distance: 60 – 150 cm
- Height adjustment: 117 cm
- Diameter of lamp head: 57 cm

Accessories

Sterilizable handle

The advantages of LED technology: a life time of at least 40,000 operating hours and a hardly noticeable generation of heat – in the area of the head of the surgeon as well as the wound area. The advantages of the previous technology of halogen lamps used by Dr. Mach remain: natural colour rendition, homogeneous light field and easy positioning of the lamp.

Compatible with:

- Ceiling Suspended Angiography System: Artis zee, Artis Q, Artis Q.zen
- Floor Mounted Angiography System: Artis zee, Artis Q, Artis Q.zen
- Biplane Angiography System: Artis zee, Artis Q, Artis Q.zen
- Artis zeego
- Artis zee MP