



marLED® E15/E9

A different kind of light





Efficiency in the light of marLED® E15/E9

It is brilliant light based on the latest LED technology. Sturdy, stable, and powerful: The marLED® E is no less tailored to your needs than your operating room at large. It is available in numerous designs and combinations: from the marLED® E15 and the E9 all the way to the E9i with 160,000 lux.

The marLED® E Battery version enables you to use these operating lights as mobile units for up to eight hours, independently of any power supply. Great for use in humanitarian efforts, for example.

The light series satisfies the highest hygienic requirements and also impresses with its excellent price-performance ratio. This pays off handsomely, benefitting all who use it. marLED® E – light just couldn't be more efficient.



Practical and convenient:
The marTouch® remote control lets you control operating lights and the camera system surgiCam®, but offers users lots of additional information. Docking station included, with table or wall fixation.





The marLED® E – best light
for the perfect cut!

Excellent color rendition, daylight-like color temperatures and outstanding laminar flow performance – these are features that arouse enthusiasm in every surgeon. The marLED® E offers illumination intensities of up to 160,000 lux – with unrivaled energy efficiency. Color temperature can be selected in three stages. Heat performance is no less outstanding: the warmest spot of the light head will at most just feel warm to the touch. And for ergonomics, the light field and the boost mode can be adjusted simply by double-tapping the sterile handle. So this is why the marLED® E is so efficient, in performance, use and handling.

The latest LED lens technology accounts for a homogenous light field, maximum shadow dilution, brilliant light and perfect color rendition. The boost mode offers maximum illuminance while the backlite mode provides the ideal background light for endoscopic surgery.





Enlightening benefits for your eco balance

For all those who already think of tomorrow in their daily dealings, the marLED® E is the light of the future. This is simply because it not only offers perfect illumination of the surgical site, but ensures excellent energy efficiency at the same time. This pays off in multiple ways, for hospitals, patients – and the environment.



marLED® E Battery – mobile, powerful, self-contained



It looks exactly like the marLED® E, it is just as powerful, yet mobile and works without any external power supply – the marLED® E

Battery. The batteries are directly integrated into the light head. And what's best, recharging is just a matter of two hours.

As a result, the marLED® E Battery delivers brilliant light for up to 8 hours. Wherever it is used – in the wilderness, in humanitarian efforts, in developing regions, in crisis areas. In fact, anywhere where light matters a lot – but no power supply is available.

From the smallest to the largest light – the marLED® E Battery series includes all variants of the customary marLED® E series. And it also offers a maximum output of 160,000 lx. Reliable power supply just couldn't be more mobile.

A clean solution in every respect

No visible screw connections, seamless cover glasses, integrated gaskets, patented joining technology – the marLED® E impresses with a first-rate cleaning performance. It fully satisfies even the most stringent hygiene requirements. Perfectly suited for fast and easy, yet thorough wiping disinfection.



Flush front glasses with integrated gaskets prevent any capillary effect when applying detergents.



The seamless and smooth surface design of the light head permits fast and reliable cleaning unimpeded by external screws.





On balance a splendid result

A light source life of 40,000 hours, a cardanic suspension tailored to the operating room, a hitherto unknown laminar flow performance – the marLED® E offers an unrivaled combination of economy, efficiency and security in terms of lighting and hygiene! The bottom line is an excellent price-performance ratio – just the right investment for any clinic or hospital.

All marLED® E lights are also available in a battery version for off-the-grid operation. Following a charging period of just two hours, these versions provide light for up to eight hours.

	marLED® E15	marLED® E9i	marLED® E9
Turbulence degree (standard value: 37.5%)	24%	27%	27%
Power input ¹⁾	49 W	45 W	35 W
Effective life of light source	40,000 h	40,000 h	40,000 h
Central illuminance (electric dimming from/to)	30–100% / 5% (in endo-mode)		
Central illuminance (at a distance of 1 m)	160.000 lx	160.000 lx	130.000 lx
Light field diameter (d10, distance of 1 m)	175–260 mm	170–220 mm	160–230 mm
Color rendering index (CRI) [Ra (1-8)]	95	95	95
Battery charging time ²⁾ (for marLED® E Battery)	2 h	2 h	2 h

¹⁾ at 24 VDC, small light field, maximum illuminance ²⁾ in standby mode

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