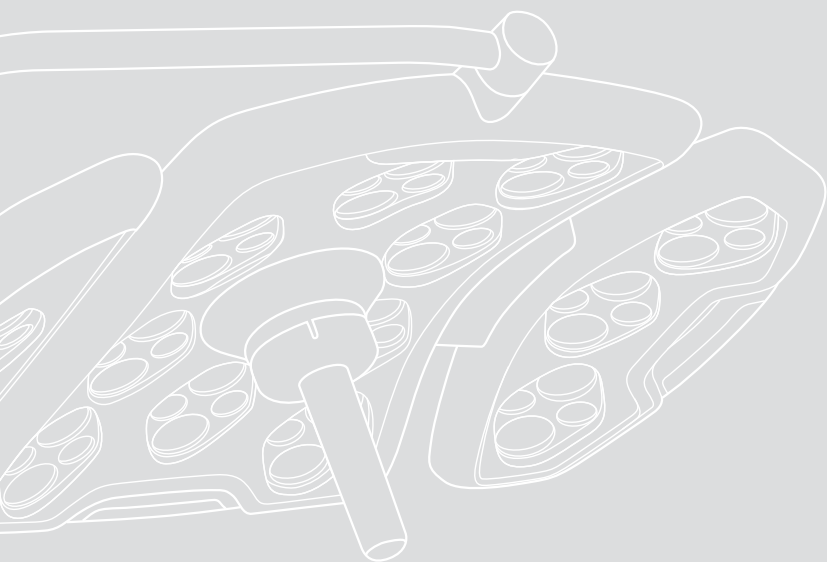


Operating lights



marLED® V10/V16

That's how light should shine





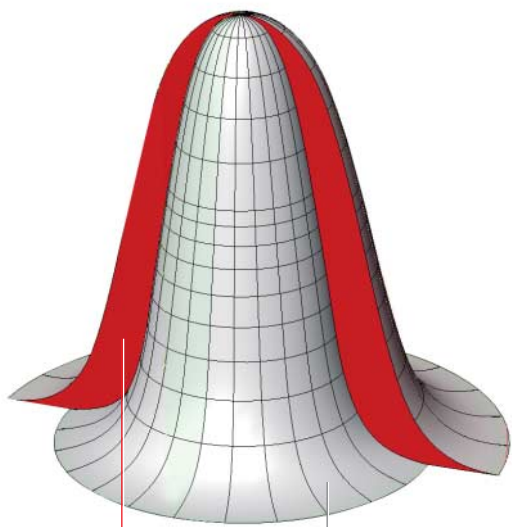
Among the LED operating lights
the best ones in their class



High Performance Lighting

There are lots of LED operating lights available. None is like marLED® V10/V16: Latest-generation LED chips ensure unprecedented luminous efficacy with more than double the light output. This **H**igh **P**erformance **L**ighting makes marLED® V10/V16 the best in their class.

However, marLED® V10/V16 do not just boast exceptionally high performance. They also feature convincing ergonomics. Smart visual appearance, efficiency in use – that's how marLED® V10/V16 convince not only surgeons and their OR staff but also the juries of renowned international design awards.



High Performance Lighting

typical illumination

HPL

Mixes the light

where it is created: at source

As a result, color shadows don't stand a chance – and contour shadows certainly don't: marLED® V10/V16 mix the light exactly where it is created – and not in the surgical field. So thanks to minimal heat build-up, maximum luminous efficacy, and adjustable color temperature the two operating lights provide you with optimal viewing comfort at all times, even when you're having to cope with the most difficult surgical requirements.



Adapts the light field

to suit your needs: VariLUX

VariLUX

Every operation is unique. And that particularly applies to the surgical field and how it is illuminated. Oval or circular – that is what you as the surgeon decide for yourself. With VariLUX, marLED® V10/V16 provides you with unprecedented light field adaptation. Exactly as you require in the particular situation.

3800 K

4300 K

4800 K

ACT

Adaptive Color Temperature



marLED® V10/V16 illuminate the surgical field at the color temperature that can help you distinguish different tissue types more easily. We call it adaptive color temperature – or simply: ACT. It is a crucial aid to doing the right thing at the right time.



Intuitive control:
with SensoGrip and SensoTouch



marLED® V10/V16 are lightweight so they are quick, easy and ergonomic to position. With SensoGrip you can move the main light and satellite into the positions you require in no time at all. Or you can use SensoTouch. The touchscreen control is attached to the gimbal and its operation is intuitive for any user.

Almost like being at home:
the remote control with marTouch®



It is quite possible that you will dream of it when you're sitting in your armchair at home: marTouch® is extremely practical and provides you with all the information you need. With this remote control you can control the operating lights or the surgiCam® camera system from wherever you happen to be. And if you're not using the remote control, you simply return it to the docking station or to the wall mount.



*Delivers excellent images in SD/HD quality:
surgiCam®*

Here's how you may even set a trend: Combine marLED® V10/V16 with the surgiCam® camera system and transmit your operations to TFT flat screens or large projection screens in lecture theaters and conference rooms. surgiCam® enables you to consult with colleagues and experts or give them advice. And apart from that you can either evaluate the excellent recordings immediately or save the digital image data. With surgiCam® you – and your operation – are always in the picture. Needle-sharp.

Bright and dimmable:

Everything is possible with marLED® V10/V16

marLED® V10/V16 will convince you in every respect. Because of their fantastic luminous efficacy. But also because they are dimmable. With these operating lights, backlighting during endoscopic surgery is not a problem but the solution.

Two that complement each other perfectly:

Main light and satellite

marLED® V16 and marLED® V10 match each other perfectly because their shapes are coordinated. That provides you with greater freedom of movement when positioning the two lights and when combining with other equipment, e.g. surgiCam®.



Shape and surface:

Aerodynamic in laminar flow

These lights will also convince you when installed under air supply ceilings with laminar flow. marLED® V10/V16 have smooth surfaces and small face areas. Ideal properties for integration into laminar flow systems.



Technical data

	marLED® V16	marLED® V10
Central illuminance (1 m distance)	160,000 lx	130,000 lx
Central illuminance electrically dimmable from/to	30 -100% / 2% (in backLite mode)	
Color temperature	3,800/4,300/4,800 K variable	
Color rendering index [Ra (1-8)]	95	
Anticipated service life	40,000 h	
Degree of turbulence (standard value 37.5% max.)	30%	29%
Illumination field diameter (d10, distance 1 m)	250-350 mm	230-330 mm

For production reasons and metrological reasons, all light data are to be understood with a tolerance of +/- 5%.

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