

Operating Lights



marLED® E15 / E9

A new definition of operating lights



GoGreen



marLED® E15/E9

Efficient Innovative Brilliant

The new marLED® E series by KLS Martin satisfies the highest quality standards. Boasting a new product design, the light offers excellent ergonomic handling and ease of operation. Due to the innovative patented joining technique, it complies with the highest hygiene standards.



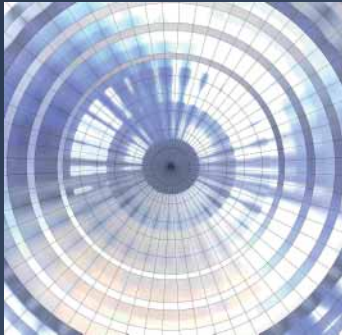
The use of the latest LED lighting technology lets you always keep a cool head. Heat radiation – a typical side effect of halogen lights – is no longer a problem.

Additional advantages include excellent color retention, a color temperature similar to daylight, and very low operating costs due to the extremely long life of the latest-generation LEDs. Since the marLED® E do not include wearing parts, maintenance and servicing costs are reduced to a minimum. For technical details, please refer to the table on the right.

Technical data at a glance

	marLED® E15	marLED® E9
Color temperature	4,300 K	4,300 K
Illuminance at a distance of 1 m	160,000 Lux	120,000 Lux
Light field diameter (d10)	175 - 260 mm	160 - 230 mm
Color rendering index R _a (1-8)	95	95
Rated wattage light head	49 W	35 W
Average LED life	> 40,000 h	> 40,000 h

* at 24 VDC, small light field, maximum illuminance



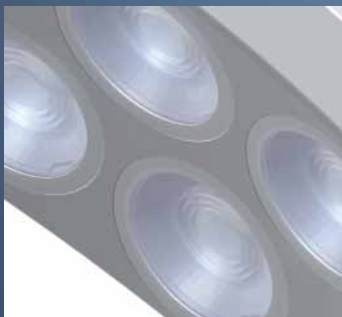
Innovative lighting system

- Latest LED lens technology with special microstructure for:
 - Homogeneous light field
 - Maximum shadow dilution
 - Highest degree of brilliance and color rendition
- Boost mode for maximum illuminance at a large light field diameter
- Backlite mode for illumination of the OR room during endoscopic interventions



Hygiene and operation

- Closed housing with smooth contours, rounded edges and patented joining technology guarantee easy and efficient cleaning
- Light head adapted to medical applications without any visible screw connections ensure optimum wiping disinfection
- The rimless front glass with integrated sealing prevents capillary action when using cleaning agents



- Flush-integrated membrane keypad for:
 - ON/OFF
 - Brightness control
 - Light field adjustment



Efficiency and performance

- Efficient resource management minimizes environmental load.
- **GoGreen**: In terms of recyclability and a long service life, marLED® E15 and E9 fulfill the sustainability goals declared by voluntary commitment.

KLS Martin Group

Karl Leibinger GmbH & Co. KG
78570 Mühlheim · Germany
Tel. +49 7463 838-0
info@klsmartin.com

KLS Martin GmbH + Co. KG
79224 Umkirch · Germany
Tel. +49 7665 9802-0
info@klsmartin.com

Stuckenbrock Medizintechnik GmbH
78532 Tuttlingen · Germany
Tel. +49 7461 165880
verwaltung@stuckenbrock.de

Rudolf Buck GmbH
78570 Mühlheim · Germany
Tel. +49 7463 99516-30
info@klsmartin.com

KLS Martin France SARL
68000 Colmar · France
Tel. +33 3 8921 6601
france@klsmartin.com

Martin Italia S.r.l.
20871 Vimercate (MB) · Italy
Tel. +39 039 605 6731
italia@klsmartin.com

Martin Nederland/Marned B.V.
1270 AG Huizen · The Netherlands
Tel. +31 35 523 4538
nederland@klsmartin.com

KLS Martin UK Ltd.
Reading RG1 3EU · United Kingdom
Tel. +44 1189 000 570
uk@klsmartin.com

Nippon Martin K.K.
Osaka 541-0046 · Japan
Tel. +81 6 6228 9075
nippon@klsmartin.com

KLS Martin L.P.
Jacksonville, FL 32246 · USA
Tel. +1 904 641 7746
usa@klsmartin.com

Gebrüder Martin GmbH & Co. KG
Representative Office
121471 Moscow · Russia
Tel. +7 499 792-76-19
russia@klsmartin.com

Gebrüder Martin GmbH & Co. KG
Representative Office
201203 Shanghai · China
Tel. +86 21 2898 6611
china@klsmartin.com

Gebrüder Martin GmbH & Co. KG
Representative Office
Dubai · United Arab Emirates
Tel. +971 4 454 16 55
middleeast@klsmartin.com

Gebrüder Martin GmbH & Co. KG
A company of the KLS Martin Group
Ludwigstaler Str. 132 · 78532 Tuttlingen · Germany
Postfach 60 · 78501 Tuttlingen · Germany
Tel. +49 7461 706-0 · Fax +49 7461 706-193
info@klsmartin.com · www.klsmartin.com