

evonos



evolight SURGICAL LIGHTS



Unique design combined with highest operational capabilities

A surgical light should bring perfect light to all surgical applications – consistently, brilliantly, and shadow-free. At the same time, it must be both simple and intuitive to operate as well as easy to clean despite the highest standards of hygiene.

evoLight: Your work under the best light

evoLight is a state-of-the-art lighting system that creates optimal lighting conditions in every operating theater and treatment room. The visionary design and sophisticated lighting technology allow the user to focus fully on the essentials: the patient and the outcome of treatment. In addition, evoLight is available in different sizes – culminating in individual design according to your wishes.



Large product variety, customization is possible

High quality, stable, and durable

Unique servicing convenience

Perfect hygiene and temperature management

Intelligent integration of electronics

Shadow-free, homogeneous light field and depth illumination



Optimal illumination of your surgical situation



State-of-the-art lighting technology combined with profound know-how

evonos employs advanced LED technology in both the lens and reflector systems. This creates a broad, pure, and homogeneous color spectrum, resulting in brilliant and shadow-free light at the same time. Our expertise lies in knowing exactly how to model this light field and thus provide you with a lighting system that can be adapted to any situation.



Adjustable color temperature for a comfortable working environment

Our evoLight lens system allows the color temperature to be adjusted to create optimal contrast and an ideal display of color-sensitive tissue areas.

In addition, the high light quality of both systems ensures that eye fatigue is noticeably reduced and lets the user concentrate for a prolonged period of time.



Practical handling

The unique evoLight design provides an unbeatable operating concept that is appreciated by surgeons around the globe. The central handle can be sterilized, making it easy to operate and adjust essential functions during surgery. In addition, the surgical light can be easily connected to a wall terminal.

Not just meeting quality standards, but exceeding them

Smooth housing contours including aerodynamic flow characteristics

With a housing height of only 55 mm, evonos surgical lights are one of the most slimline on the market. Our flow-optimized design supports laminar air flow systems, thus enabling low-turbulence flow in the operating theater.



Precise depth illumination at low heat emission

Despite using extremely powerful LEDs, heat emission is reduced to a minimum and thus has no negative impact on either the user or the patient during the surgical procedure. The high-precision depth illumination, however, has an extremely positive effect – it enables optimal tissue differentiation even at extreme depths and eliminates the need for cumbersome readjustment of the light.



Protection and stability through unique monocoque construction

Owing to the combination of highly complex aluminum die-casting and high-precision CNC milling, we have succeeded in developing the first all-aluminum light body. The sensitivity to damage is minimized by both the high-quality and robust housing as well as the reduction of mechanical components. The result is a long service life, which in turn leads to economic benefits for hospitals and medical practices.

In addition to the mechanical stability of the housing, the cover is made of tempered, scratch-resistant glass and can be cleaned without any limitations, thus also contributing to the longevity of the lights.

Cost-effective lights for profitable results

Efficient and long-lasting products are of utmost importance for hospitals and medical practices. The pressure on costs is increasing and is driven by both budgets and competitive advantages. evonos understands these circumstances and therefore places extreme importance on an economical lighting system that meets your requirements. You benefit from short installation times, a long service life, and a well thought out operating concept.

A service concept that pays off

Regardless of which operating theater in the world the light is used, the screwless service access of evonos lights offers immediate advantages – in terms of time, hygiene, and economy. The reason being that both the LEDs and electronics, which can be replaced within minutes without requiring special tools, do not require specialized service and thus minimize downtimes in the operating theater.



Highly advanced electronics – intelligently integrated

Electronics are the most sensitive part of a surgical light. They control the LEDs and act as a control center. This is why evonos surgical lights are equipped with high-end electronics, which are housed in a sturdy housing and can be accessed without requiring tools. evoLight will not leave you in the dark: all essential functions are redundant and thus ensure safe continued operation even in the event of a failure.



Meeting the highest hygiene standards at minimum effort

Due to its clear and streamlined design alone, evoLight offers less of a target for bacterial attack. Furthermore, the housing features no external screw connections and is resistant to disinfectants. This facilitates cleaning and allows the highest hygiene standards to be maintained without any difficulties.

At a glance: the evoLight product portfolio

We are the only manufacturer worldwide to offer our surgical lights with lens or reflector technology. In addition to the large variety of sizes, evonos can realize solutions for individual customer requirements. A wide range of accompanying systems rounds off our portfolio. Discover the (almost) unlimited options for yourself on the following pages.



Dual reflector technology

evoLight 700

| | |
|--|---|
| Article number | 80-000150 |
| Light technology | Dual reflector technology |
| Light intensity | 40,000 – 160,000 lux |
| Electronic dimming | 25 – 100 % |
| Light intensity adjustment levels | 8 steps |
| Focusable light field diameter at 1 m distance (d10) | 170 – 300 mm |
| Color temperature | 4900 K |
| d50/d10 | 0,5 – 0,6 |
| Working distance below the light head | 70 – 150 cm |
| Service life of the LEDs | 60,000 h |
| Color rendering index Ra | ≥96 |
| Color rendering index R9 (blood) | ≥96 |
| Number of LEDs | 96 |
| Power consumption | 45 W |
| Increase of temperature at head height | <1 °C |
| Light head weight | 18 kg |
| Light head diameter | 690 mm |
| IP protection class | IP-42 |
| Housing material | Aluminum (painted with anti-bacteria coating) |
| Glass | Toughened safety glass |
| Depth of illumination (L1 + L2) at 20 % | 900 mm |
| Depth of illumination (L1 + L2) at 60 % | 420 mm |
| Irradiance at 160 klx | 520 W/m ² |
| Laminar flow compatible | Yes |
| Camera capability | Yes |

All values conform to IEC 60601-2-41. The values are subject to a general industry tolerance of ± 10%



Lens technology

evoLight 600

evoLight 800

| | evoLight 600 | evoLight 800 |
|--|---|---|
| Article number | 80-020112 | 80-001018 |
| Light technology | Lens technology | Lens technology |
| Light intensity | 40,000 – 160,000 lux | 40,000 – 160,000 lux |
| Electronic dimming | 25 – 100 % | 25 – 100 % |
| Light intensity adjustment levels | 8 steps | 8 steps |
| Focusable light field diameter at 1 m distance (d10) | 170 – 280 mm | 170 – 300 mm |
| Color temperature | 3500 – 5500 K | 3500 – 5500 K |
| d50/d10 | 0,5 – 0,6 | 0,5 – 0,6 |
| Working distance below the light head | 70 – 150 cm | 70 – 150 cm |
| Service life of the LEDs | 60,000 h | 60,000 h |
| Color rendering index Ra | ≥96 | ≥96 |
| Color rendering index R9 (blood) | ≥96 | ≥96 |
| Number of LEDs | 54 | 78 |
| Power consumption | 32 W | 40 W |
| Increase of temperature at head height | <1 °C | <1 °C |
| Light head weight | 15 kg | 20 kg |
| Light head diameter | 585 mm | 690 mm |
| IP protection class | IP-54 | IP-54 |
| Housing material | Aluminum (painted with anti-bacteria coating) | Aluminum (painted with anti-bacteria coating) |
| Glass | Toughened safety glass | Toughened safety glass |
| Depth of illumination (L1 + L2) at 20 % | 1000 mm | 900 mm |
| Depth of illumination (L1 + L2) at 60 % | 520 mm | 430 mm |
| Irradiance at 160 klx | 510 W/m ² | 520 W/m ² |
| Laminar flow compatible | Yes | Yes |
| Camera capability | Yes | Yes |

All values conform to IEC 60601-2-41. The values are subject to a general industry tolerance of ± 10%

Equipment and accompanying systems

Monitor holder



80-000767 Monitor holder, single



80-000777 Monitor holder, double

Equipment support plate



80-001158 Equipment support plate up to 8 kg
80-001348 Equipment support plate up to 15 kg

Mobile stand



80-000506 Mobile stand for evoLight 500 / 500+ / 600 / 600+

Sterile handles



80-000183 Sterile handle
80-000771 Sterile handle for camera (wireless)
80-000611 Sterile handle for camera (wired)
80-020134 Devon adapter
80-020135 VMP adapter

Camera systems



80-001399 4K camera system (wireless)
80-000880 HD camera system (wireless)
80-000705 HD camera system (wired)

Wall control



80-000396 Wireless wall control

Highlights for the OR – made in Germany

All evoLight lights and accompanying systems are manufactured in Germany. evonos stands for:

Profound know-how
in the development
and manufacturing of
surgical lights

High stock availability
resulting in
fast delivery times

A high level of flexibility
in the production of
individual designs

Quality service
and efficient supply
of spare parts
for years to come

Designed with you in mind

We develop, manufacture, and distribute high-quality surgical lights and examination lights. But more than that, we believe our role is to understand and respect the challenges hospitals, doctor's offices and medical centers face every day. Only then we can create future-oriented products and solutions that ensure greater efficiency and working comfort.

We talk with surgeons and doctors and find out how they work. We ask them what inspires them and what they need to do the best job every time they step into the operating theatre or treatment room. The result is a range of uniquely innovative lighting systems that help achieving optimal results.

Surgeons and doctors choose evonos surgical and examination lights because they are intelligently designed, easy to use and highly efficient. If surgeons could design their own products, we think they would be very similar to ours.

 **MADE IN GERMANY** | Find more on [evonos.de](https://www.evonos.de)

