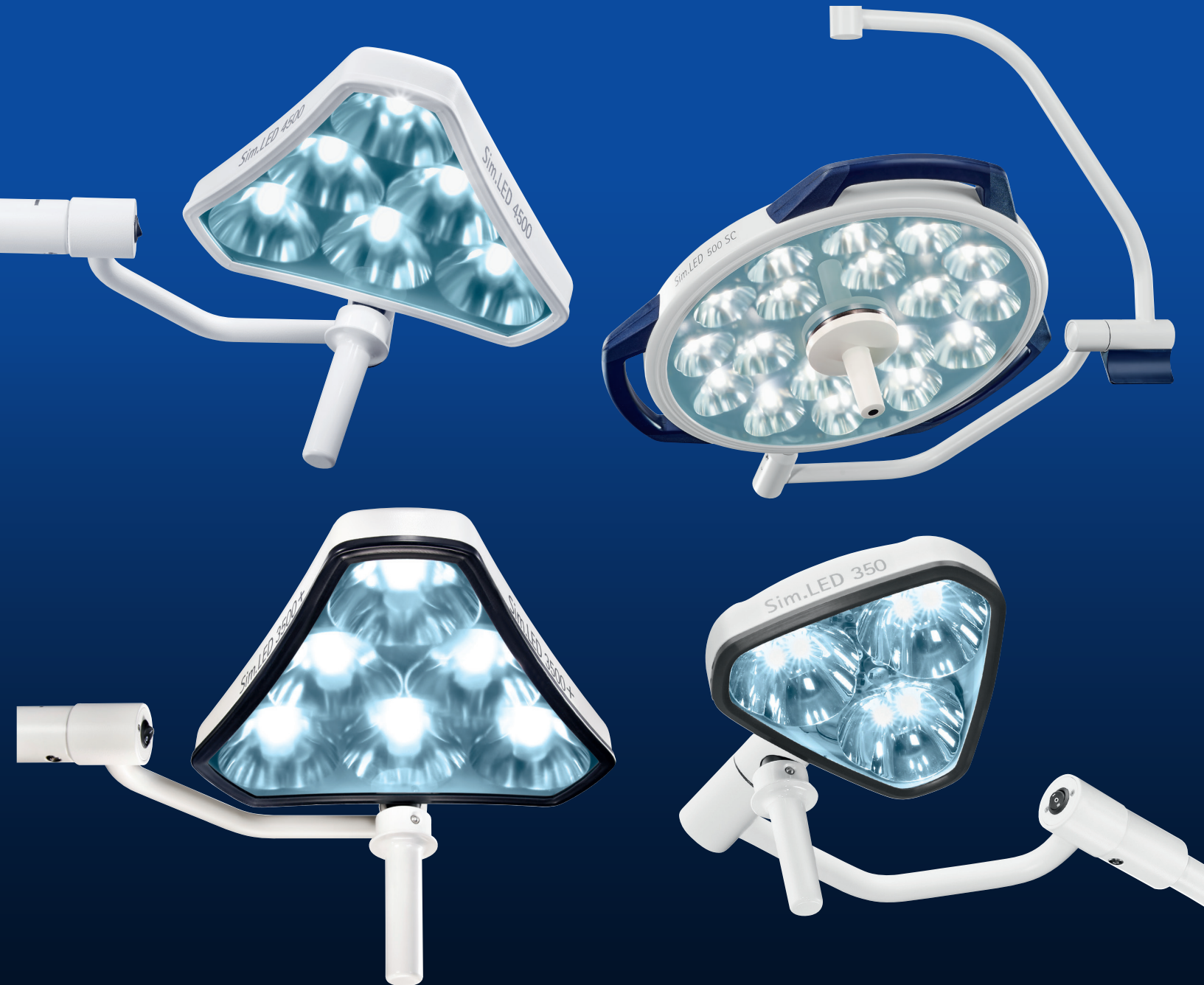




PUSHING TECHNOLOGY TO EXCELLENCE

distributed by



Sim.LED Medical Lightning

Surgery / Minor Surgery / Examination

Sim.LED 500

GREAT LIGHT & GREAT VALUE

The latest single-color or multi-color LEDs, the patented reflector technology, and the arrangement of the LEDs in a unique design provide more light without shadows. The Sim.LED 500 BusinessLine lights provide optimal illumination for conducting operations.



Sim.LED 500	SC / MC
Central illumination intensity at a distance of 1 m [lx]	160,000
Dimming capability from/to [lx]	48,000 – 160,000
Color temperature [K]	4,500 / 3500/4000/5000/5500
Light field diameter d10 at a distance of 1 m [in(mm)]	6.7-11.4 (170 – 290)
Color rendering index Ra	96
Red rendering index R9	96 / 94
Illumination depth without refocusing (L1 + L2) at 60% [in(mm)]	18.1 (460) / 19.5 (495)
Illumination depth without refocusing (L1 + L2) at 20% [in(mm)]	36.6 (930) / 37.2 (945)
Light head weight [lbs(kg)]	33.1 (15)
Power consumption [W]	53 / 62
LED life time [h]	> 60,000
Approval	CE

Single-Color



The single-color version with natural white LEDs offers a fixed color temperature of 4,500 K.

Multi-Color



The multi-color version with 50% cold white and 50% warm white LEDs offers a wide range of color temperature adjustment from 3,500 K to 5,500 K in 5 steps.

High-end materials

- Use of aluminum and safety glass.
- Aluminum light head as ideal heat sinks.
- Optimal heat management.
- Ideal laminar air flow conditions.
- Innovative LED technology: patented Sim.POD reflector.

Wireless solution

- Sim.CAM 4K and HD Wireless, easy replacement and retrofitting of existing surgical lights.
- Thanks to the innovative wireless solution, all SIMEON OR lights are automatically camera prepared.
- Sim.LED mobile lights optionally available with removable battery.

Cost effectiveness

- Very long life time with > 60,000 h for LEDs.
- Exceptional energy efficiency, low power consumption.
- Optimal heat management.

Highest level of hygiene

- Innovative antibacterial coating.
Anti.BAC®
- Better hygienic conditions.
- Safety glass for ideal hygiene.
- my.GRIP: sterile control of two operating functions in parallel and directly via the sterile handle.

Innovative solutions

- Innovative Sim.FLEX suspension system.
- All surgical lights ready for Sim.CAM HD Wireless and Sim.CAM 4K Wireless.
- my.LED: personalized settings can be simply saved and activated.

Sim.LED 4500 –

SMALL LIGHT AND BIG PERFORMANCE

Thanks to its homogeneous light and excellent depth illumination, the Sim.LED 4500 is the perfect light for examinations and small interventions that are common in the intensive care unit or in plastic surgery. It is also unique by its low power consumption and great hygienic properties.

Sim.LED 4500

Central illumination intensity at a distance of 1 m [lx]	100,000
Dimming capability from/to [lx]	25,000 – 100,000
Color temperature [K]	4,500
Light field diameter d10 at a distance of 1 m [in(mm)]	6.7 (170)
Color rendering index Ra	96
Red rendering index R9	96
Illumination depth without refocusing (L1 + L2) at 60% [in(mm)]	61.42 (1,560)
Illumination depth without refocusing (L1 + L2) at 20% [in(mm)]	63.39 (1,610)
Light head weight [lbs(kg)]	6.6 (3)
Power consumption [W]	28
No. of LEDs	18
LED life time [h]	> 60,000
Approval	CE



High-end materials

- Use of aluminum and safety glass.
- Latest natural-white LEDs.
- Aluminum light head as ideal heat sink.
- Innovative LED technology: patented Sim.POD reflector for a unique light quality and a homogeneous light field.
- 5-year warranty for Sim.PODs.
- Unique SIMEON triangle design offers a maximum light-emitting surface and an optimal depth of illumination.

Highest level of hygiene

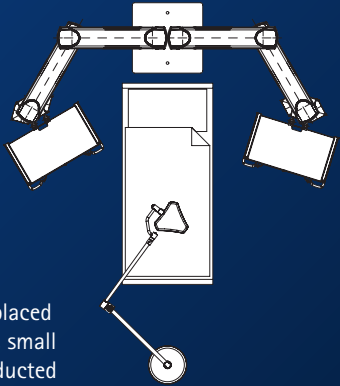
- Innovative antibacterial coating.
Anti.BAC®
- Safety glass for ideal hygiene.
- Seamlessly closed design.
- Sterile handle for trouble-free light head positioning.

Cost effectiveness

- Very long life time with > 60,000 h for LEDs.
- Exceptional good energy efficiency, low power consumption.
- Optimal heat management.

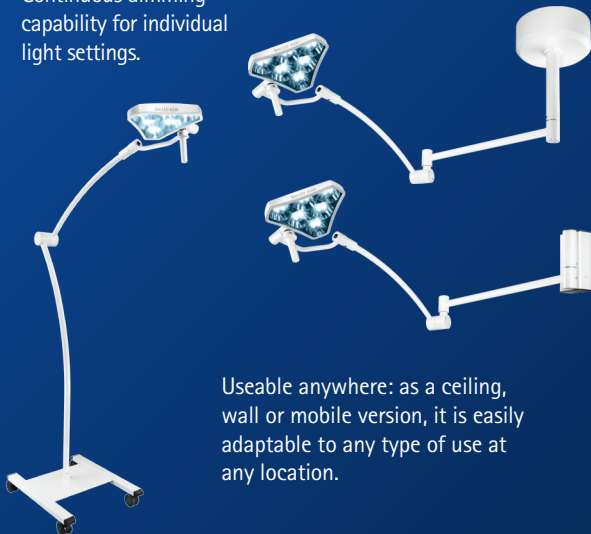
Intensive care

With the Sim.LED 4500, placed at the intensive care bed, small interventions can be conducted directly on site.



User-friendly

Continuous dimming capability for individual light settings.



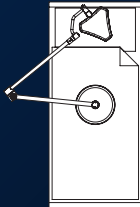
Useable anywhere: as a ceiling, wall or mobile version, it is easily adaptable to any type of use at any location.



Sim.LED 4500 mobile version also available with a unique fully cordless battery back-up system.

Plastic surgery

The Sim.LED is ideally suited for this discipline, optionally in combination with a monitor.



Sim.LED 3500+

THE MODERN EXAMINATION LIGHT

The Sim.LED 3500+ provides you operating room light quality and an optimal light-emitting surface for examinations. Its six Sim.PODs produce a large-area homogeneous light field. The innovative triangle design lends this modern light an especially attractive appearance. Its low weight makes it easy to move.

Maximum light-emitting surface and great visibility thanks to an optimized depth illumination.

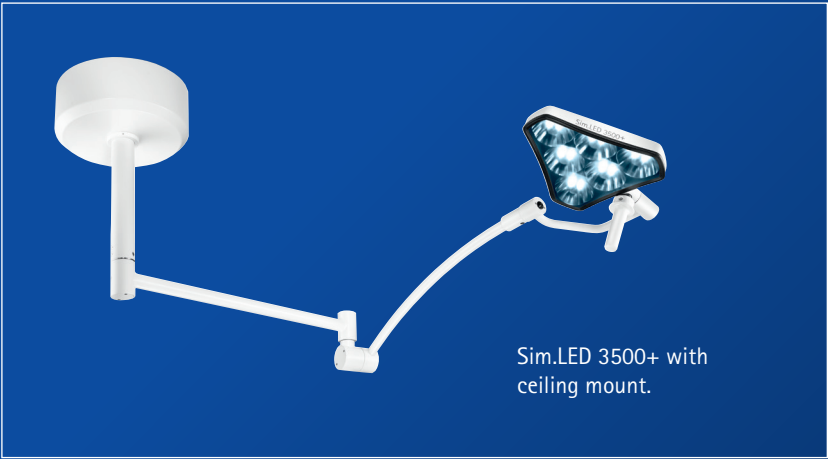
Innovative antibacterial coating Anti.BAC® **Anti.BAC**, safety glass and a seamlessly closed design meet the highest hygienic demands.

Continuously variable dimming.

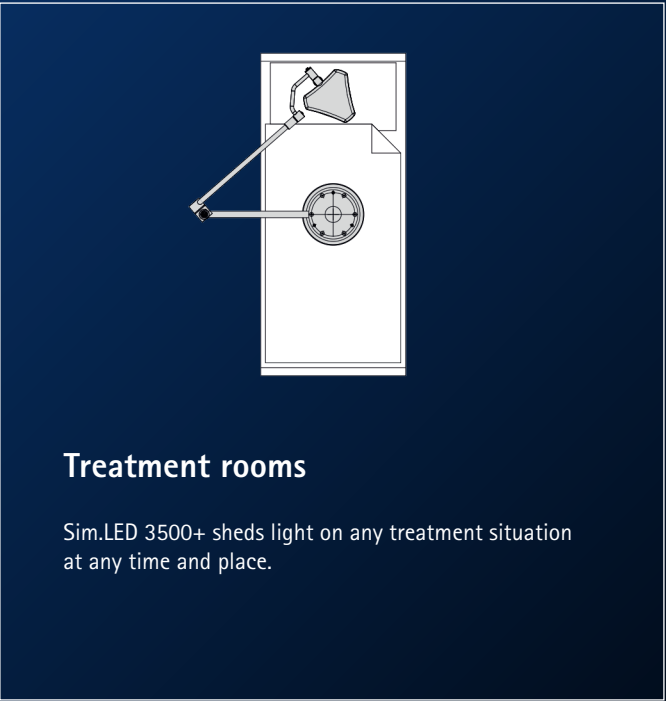
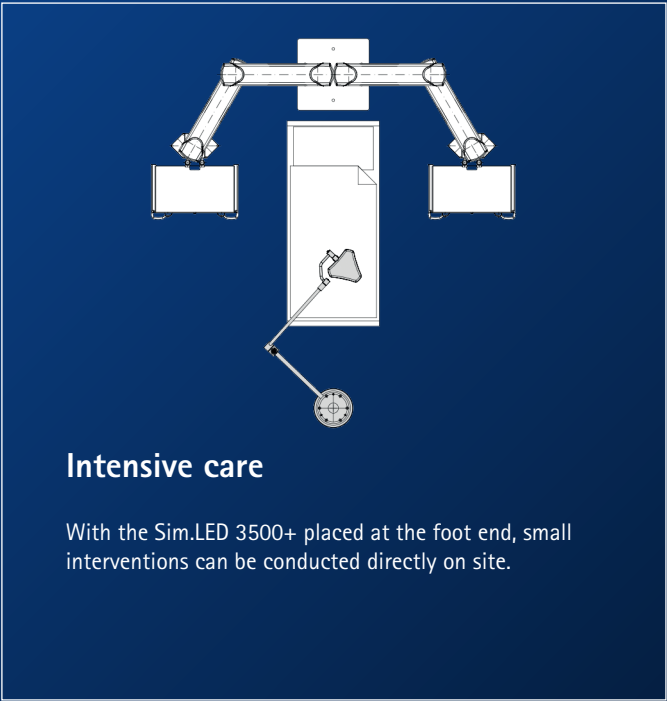
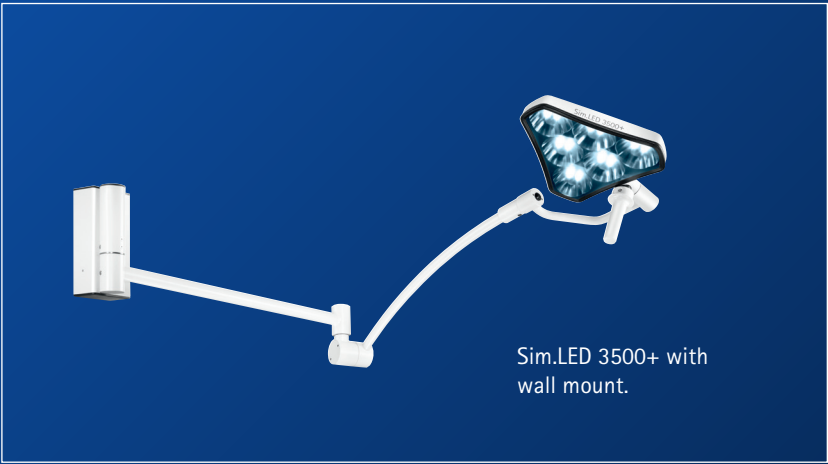


Sim.LED 3500+

Central illumination intensity at a distance of 1m [lx]	90,000
Dimming capability from/to [lx]	40,000 – 90,000
Color temperature [K]	4,500
Light field diameter d ₁₀ at a distance of 1m [in(mm)]	5.9 (150)
Color rendering index Ra	96
Red rendering index R9	96
Power consumption [W]	15
No. of LEDs	18
LED life time [h]	> 60,000
Approval	CE



And of course you can take advantage of all the benefits of Sim.LED 3500+ in mobile applications.



Sim.LED 350

EFFICIENT AND FLEXIBLE IN PRACTICE

The Sim.LED 350 ensures operating room light quality and optimum light yield with its three geometrically arranged reflectors in a triangle design. Here too, the triangle design results in a modern, innovative look that fits in anywhere.

Optimized visibility thanks to a great depth illumination.

Innovative antibacterial coating Anti.BAC® **Anti.BAC** and a seamlessly closed design meet the highest hygienic demands.

Light head made of aluminum allows for fast and steady maneuverability.

Sim.LED 350

Central illumination intensity at a distance of 1m [lx]	60,000
Dimming capability from/to [lx]	30,000 – 60,000
Color temperature [K]	4,500
Light field diameter d ₁₀ at a distance of 1m [in(mm)]	6.7 (170)
Color rendering index Ra	96
Red rendering index R9	96
Power consumption [W]	25
No. of LEDs	9
LED life time [h]	> 60,000
Approval	CE

Tolerance ±10 %; technical specifications are subject to change

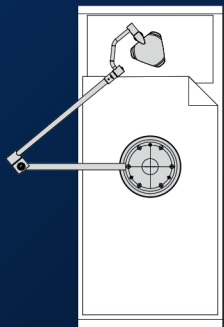


Sim.LED 350 with ceiling mount.



Sim.LED 350 with wall mount.

Sim.LED 350 as a mobile version.



Treatment rooms

Sim.LED 350 sheds light on any treatment situation at any time and place.

SIMEON MEDICAL YOUR SOLUTION PROVIDER FOR THE HOSPITAL



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As a hospital solution provider, SIMEON Medical has more than 20 years of experience, 70 employees at 3 sites worldwide, great innovative capacity and invaluable know-how for medical technology solutions. Thank to our proximity to our customers and understanding of their needs, we guarantee you excellent products – made in Germany*.