Sim.LED Examination Lights
Another Dimension of Light

SIMEON
M E D I C A L

PUSHING TECHNOLOGY TO EXCELLENCE

Revolutionary design

● The SIMEON triangle design offers the maximum light-emitting surface

● Seamlessly sealed design meets the highest hygienic demands

● Light head made of light aluminium allows for fast and steady maneuverability

The latest LED technology also for the examination field

Challenging tasks demand more than conventional solutions. With the innovative Sim.LED family of examination lights, you benefit from all the advantages of the most modern LED technology:

● the latest monochromatic white-light LEDs

● patented reflector technology and

● the arrangement of the LEDs in a unique design with a seamlessly sealed construction

As a technological leader in the area of LEDs for the OR area, SIMEON has applied its extensive know-how to the examination lights. The result: The new Sim.LED family of our examination lights combines the highest performance values and the best features, together with cost-effective attractiveness. These lights also set new benchmarks in terms of energy consumption, hygiene and cleanliness. Thus, they ensure easily and intelligently that the best examination lights are always available to you.

Patented reflector technology

● Sim.POD: three high-performance LEDs of the latest generation in the centre of a high-gloss aluminium reflector

● Optimal illumination: homogenous light field maneuverability

● Maximum energy efficiency and optimal heat management: Ideal light yield with a small number of LEDs and aluminum reflectors, optimum heat dissipation thanks to aluminum LED carriers

Sim.LED 3500+ –
the modern examination light

The Sim.LED 3500+ gives your OR-light quality and an optimal light-emitting surface for examinations. Its six Sim.PODs produce large-area, homogenous light. The innovative triangle design lends this modern light an especially attractive appearance. Its low weight makes it easy to move.
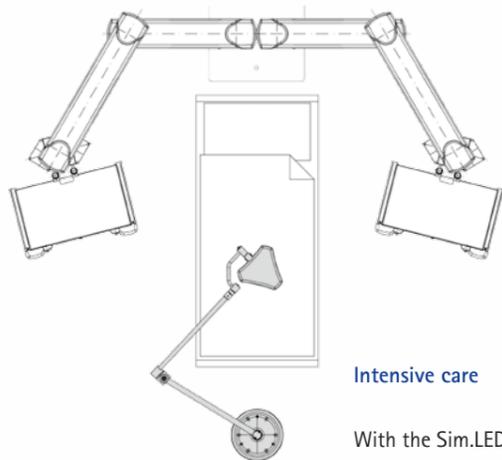
- Maximum light-emitting surface and optimized visibility thanks to optimized depth illumination
- Seamlessly sealed design meets the highest hygienic demands
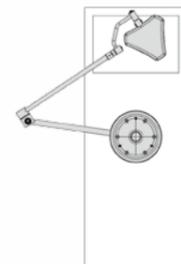- Continuously variable dimming

Sim.LED 3500+ with wall mount

Sim.LED 3500+ with ceiling mount

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

Treatment rooms

Sim.LED 3500+ sheds light on any treatment situation at any time and place.

Intensive care

With the Sim.LED 3500+ placed at the foot end, small interventions can be conducted directly on location.
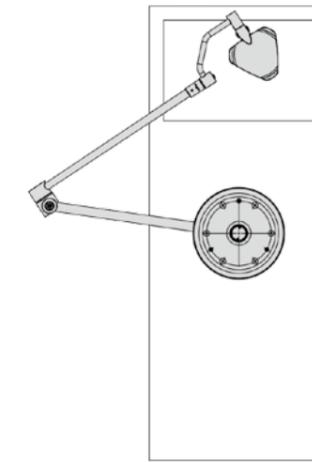
Sim.LED 3500+	
Central illumination intensity at a distance of 1 meter [lx]	60,000
Electrical dimmability from/to [lx]	25,000 – 60,000
Color temperature [K]	4,500
Field size d10 at a distance of 1 meter [mm]	170
Color rendering index Ra	96
Red rendering index R9	96
Power consumption [W]	15
No. of LEDs	18
LED lifespan [h]	> 50,000
Approval	CE

Tolerance ±10%; technical specifications are subject to change

Sim.LED 350 –
efficient and flexible in practice

The Sim.LED 350 ensures OR light quality and optimum light yield on a defined area with this 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 optimized depth illumination
- Seamlessly sealed design meets the highest hygienic demands
- Light head made of light aluminium allows
  for fast and steady maneuverability

Sim.LED 350 with
ceiling mount

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

Sim.LED 350 with wall mount

Sim.LED 350 as a mobile version

Sim.LED 350	
Central illumination intensity at a distance of 1 meter [lx]	60,000
Electrical dimmability from/to [lx]	30,000 – 60,000
Color temperature [K]	4,500
Field size d10 at a distance of 1 meter [mm]	170
Color rendering index Ra	96
Red rendering index R9	96
Power consumption [W]	25
No. of LEDs	9
LED lifespan [h]	> 50,000
Approval	CE

Tolerance ±10%; technical specifications are subject to change

Sim.LED 250 –
reduced to the optimum

The Sim.LED 250, with a Sim.POD and a total of 3 LEDs, is the ideal light for your individual examination needs since it offers an optimal light yield. Thanks to its flexibility and optimal downsizing, the Sim.LED 250 fits well with every type of use, in every place of operation.

● Seamlessly sealed design meets the highest hygienic demands

● Light head made of lightweight aluminum enables quick and
  smooth positioning

Sim.LED 250	Sim.LED 250 (at a 0.5 m distance)	Sim.LED 250 (at a 1.0 m distance)
Central illumination [lx]	70,000	30,000
Color temperature [K]	4,500	4,500
Field size d10 [mm]	110	165
Color rendering index Ra	> 93	> 93
Power consumption [W]	15	15
No. of LEDs	3	3
LED lifespan [h]	> 50,000	> 50,000
Approval	CE	CE

Tolerance ±10%; technical specifications are subject to change

Flexible and mobile

Thanks to the variable mounting system, you can mount your Sim.LED examination lights on the ceiling or on the wall or use it as a mobile version. With Sim.LED your technology will always be state-of-the-art.

Flex arm mounted on the ceiling-mounting supply unit

Double-joint arm

Hinged arm

Flex arm

Double-hinged arm

Hinged arm
(also available with a height-adjustable stand)

Flex arm
(also available with a height-adjustable stand)

Double-hinged arm

Excellence in medical care

For over 15 years now, LED technology pioneer SIMEON has provided complete, future-oriented top products at a cost-to-benefit ratio which is unparalleled across the world. Thanks to their special design and unique reflector technology, SIMEON's innovative solutions ensure ideal lighting conditions and cover all demands for hygiene and function in the medical field. SIMEON products are made in Germany and undergo certified production with continuous quality control.

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