

Discover the Red Dot Design Award-winning SOL Performance video and our brand ambassador Lena Häcki-Gross.



red dot winner 2023  
Brands & Communication Design



# SOL surgical lights

Made in Switzerland

Lightweight and yet extremely powerful. Compact, yet packed with well-thought-out, valuable features for your day-to-day practice.

The SOL Performance, Eco and Mini surgical lights offer everything doctors and surgeons want in their day-to-day professional lives.

The first thing to mention is the outstanding light quality. The asynchronous, high-frequency light generation creates an absolutely flicker-free light – perfect for fatigue-free surgery.

The colour temperature can be continuously adjusted, making contrasts between different types of tissue much more clearly visible.

The light intensity is also continuously adjustable. Light efficiency is optimised with anti-reflective cover glass for even clearer light and an unobstructed view.

Last but not least, the sterilisable universal handle allows a continuously focusable beam of light to be shone on the wound area. The result is a reassuringly uniform LED light field with a light quality that is very homogeneous, but which brings out nuanced and sharp contours.



## SOL Performance

The SOL Performance combines a new type of visual, biological and emotional light quality with a high level of functionality. Its compact dimensions and low weight allow it to be positioned easily, without creating shadows. The setting options can be operated easily and conveniently via the integrated touch display.



## SOL Eco

The SOL Eco is a neat and effective addition to the product family. It combines essential features of the exceptional light quality and the compact, airflow-optimised design with high cost-effectiveness.



## SOL Mini

The SOL Mini surgical and examination light boasts an enormous light output with the best colour rendering and a precision light spot. It meets the highest flexibility demands of a high-quality work light in all areas of application such as A&E units, surgical preparation, intensive care and general medicine.

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# Improved endurance and precision thanks to the SOL series.



## Continuously adjustable

Light intensity dimmable from 10% to 100%, colour temperature from 3,300 to 5,500 Kelvin for precise, high-contrast tissue display

## Flicker-free light

Fatigue-free working thanks to asynchronous, high-frequency light generation

## Sharp and homogeneous light quality

Continuously focusable light spot on the wound area

## Minimal shadows

Compact, lightweight and movable aluminium construction with an airflow-optimised design. The ideal lighting solution for under cleanroom ceilings.



## Camera integration

The integration of a high-resolution HD or 4K camera offers a flexible video solution for the highest image quality on large screens or detailed documentation.

## Universal handle

The handle can optionally be sterilised multiple times or fitted with standard, sterile disposable covers.

## Aluminium handle

Extended handle fitting standard, sterile disposable covers for large hands and even easier positioning of the light. Not sterilisable.

## Filter holder

Easy-to-install holder for optical colour filters to adjust the light spectrum of the lamp, e.g. blue light blocking filter for the treatment of patients with phototoxic diseases.

## Specifications

SOL Performance	SOL20-5	SOL20-4	SOL20-3
Luminous intensity in lux	160'000	128'000	96'000
Light projectors	5	4	3
CCT colour temperature	3'300 – 5'500 Kelvin, continuously adjustable		
CRI colour rendering index	R <sub>a</sub> ≥ 96 / R <sub>a</sub> ≥ 85 / R <sub>15</sub> ≥ 93		
Dimmable brightness	continuous		
Dimming technology	High-frequency, stochastic pulse modulation		
Endo-light function	Yes		
d <sub>50</sub> light field	14 – 22 cm		
d <sub>10</sub> light field	23 – 37 cm		
Focusable	Yes		
Weight	6.7 kg	5.8 kg	4.8 kg
Outer diameter	38.5 cm		
Housing material	Aluminium		
Camera integration	optional (C version)		
Light operation	coloured smart touch panel		
Remote control	Yes, optional		
Max. power consumption	57 W	46 W	35 W
Mains voltage	100 – 240 VAC / 50 – 60 Hz		

SOL Eco	SEL21-4	SEL21-3
Luminous intensity in lux	160'000	120'000
Light projectors	4	3
CCT colour temperature	3'300 – 5'500 Kelvin, in 5 levels	
CRI colour rendering index	R <sub>a</sub> ≥ 96 / R <sub>a</sub> ≥ 85	
Dimmable brightness	continuous	
Dimming technology	High-frequency, stochastic pulse modulation	
Endo-light function	Yes	
d <sub>50</sub> light field	14 – 22 cm	
d <sub>10</sub> light field	23 – 37 cm	
Focusable	Yes	
Weight	5.8 kg	4.8 kg
Outer diameter	38.5 cm	
Housing material	Aluminium	
Camera integration	No	
Light operation	Button	
Remote control	Yes, optional	
Max. power consumption	57 W	46 W
Mains voltage	100 – 240 VAC / 50 – 60 Hz	

SOL Mini	SUL22-3
Luminous intensity in lux	100'000 Lux @ 80 cm
Light projectors	3
CCT colour temperature	4'000 Kelvin
CRI colour rendering index	R <sub>a</sub> ≥ 95 / R <sub>a</sub> ≥ 89
Dimmable brightness	continuous
Dimming technology	High-frequency LED power control
Endo-light function	No
d <sub>50</sub> light field	11 cm @ 80 cm
d <sub>10</sub> light field	20 cm @ 80 cm
Focusable	No
Weight	3.1 kg
Outer diameter	29.5 cm
Housing material	Aluminium
Camera integration	No
Light operation	Button
Remote control	No
Max. power consumption	21 W
Mains voltage	100 – 240 VAC / 50 – 60 Hz