



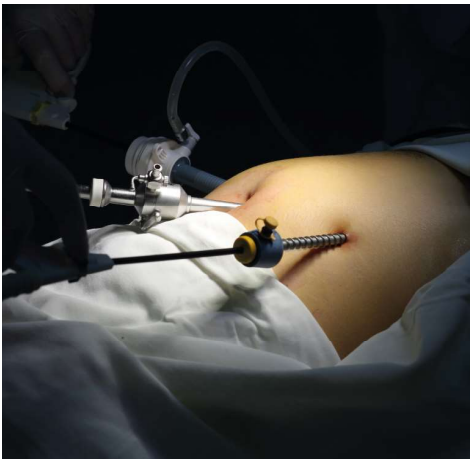
**COMPACT SURGICAL LED LIGHTS**  
ATO ML 600B | ATO ML 1000B

# ATO SURGICAL LED LIGHTS – FEATURES AT A GLANCE



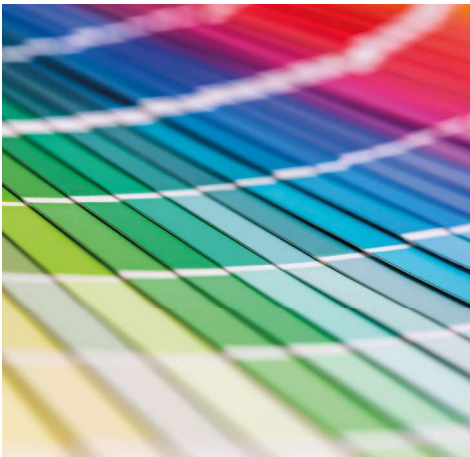
## HOMOGENEOUS ILLUMINATION

Each LED module of the ML 600B and ML 1000B luminaires illuminates the surgical field independently. The result is a shadow-free and homogenous light field over a large depth of illumination even when operating directly under the luminaire.



## LIGHT CONTROL WITH ENDO MODE

While most compact medical luminaires cannot be operated at reduced brightness, the ML 600B and ML 1000B offers a wide range of brightness options down to only 10 klx. Ideal as minor lighting during endoscopic procedures (ENDO-Mode).



## COLOUR RENDITION / TEMPERATURE

The lights provide a high colour rendering index (CRI) of over 95 for optimal tissue contrast. Especially red color tones are reproduced with highest fidelity ( $R_g > 90$ ) and enhance the visualization of the surgical field. The ML 600B and ML 1000B have a fixed colour temperature of 4.000 K.

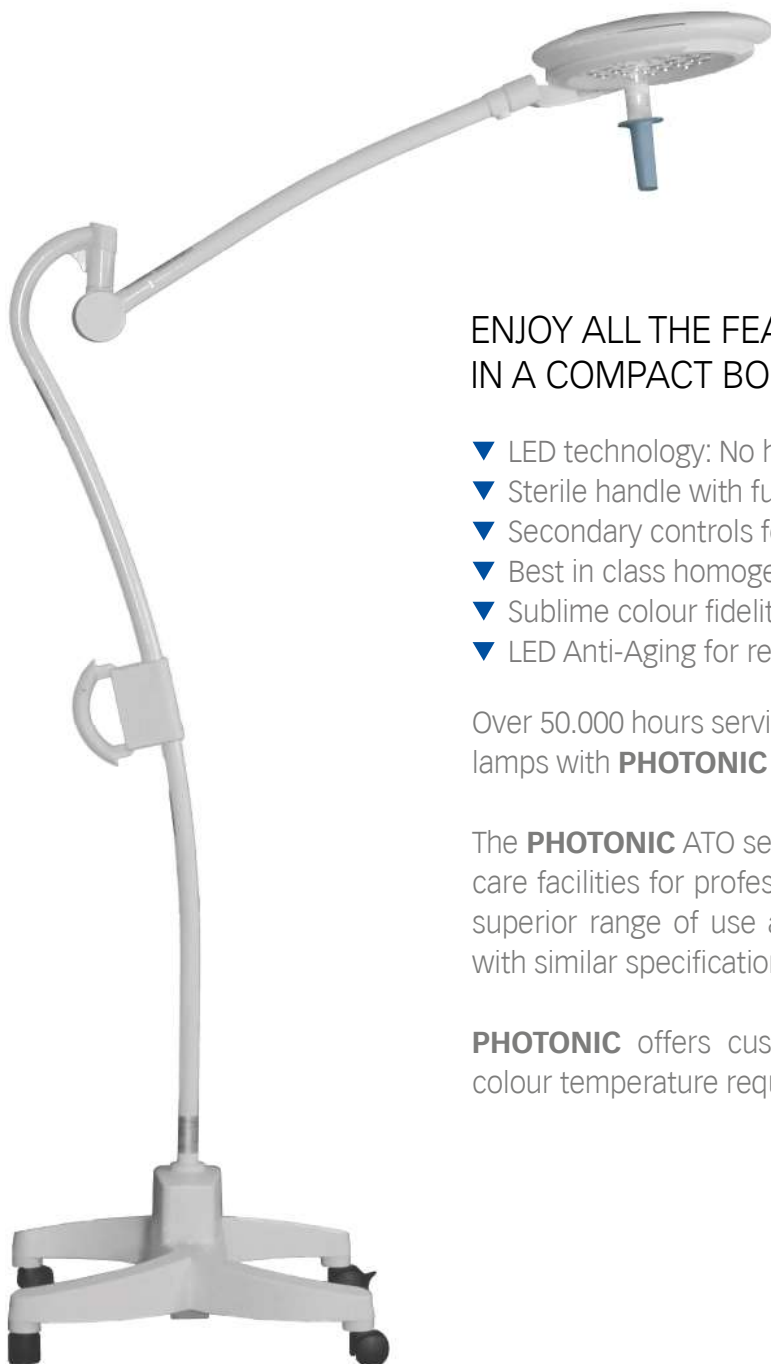


## DESIGN & HANDLING

The compact and rounded shape of the luminaire reduces drag in OR with laminar flow systems and keeps the operating field sterile. Separate light controls for sterile and non-sterile users ensures intuitive and safe handling. Turn on the light and control the brightness by simply turning the blue sterile handle.

# ATO SURGICAL LED LIGHTS – IN OPERATION

COMPACT AND EFFICIENT IN ANY HEALTHCARE ENVIRONMENT



## ENJOY ALL THE FEATURES OF A SURGICAL LUMINAIRE IN A COMPACT BODY

- ▼ LED technology: No heating under the luminaire
- ▼ Sterile handle with full lamp control as standard
- ▼ Secondary controls for unsterile assistant on lamp
- ▼ Best in class homogenous illumination ( $D_{50/10} \geq 0.67$ )
- ▼ Sublime colour fidelity and accuracy with a CRI  $\geq 95$
- ▼ LED Anti-Aging for reliable illumination over years

Over 50.000 hours service life and 90 % more efficient than incandescent lamps with **PHOTONIC** LED light technology!

The **PHOTONIC** ATO series addresses the increased demands of health-care facilities for professional medical lighting. Therefore, they provide a superior range of use and robustness compared to examination lights with similar specifications.

**PHOTONIC** offers customized solutions for specific illuminance and colour temperature requirements.

# ATO SURGICAL LED LIGHTS – TECHNICAL DATA

Type	ML 600B	ML 1000B
Central illuminance [klx]	10 – 60 in six steps	10 – 100 in ten steps
Total irradiance [W/m <sup>2</sup> ]	220	390
Power consumption [W]	24	33
Colour temperature [K]	4000	
Light field diameter D <sub>50/10</sub> [mm]	140 / 210	
Depth of illumination [mm]	1010	
Minimum working distance [mm]	700	
Colour rendering index R <sub>a,9</sub> [-]	≥ 95 / 90	
Illuminance (tube with 1 mask) [%]	66	
Service life LED*	≥ 50.000 h	
Operating voltage	100 – 230 V AC, 50/60 Hz	
Protection type (IP code)	IP 42	
Weight of light head	2.9 kg	
Conformity with standards	IEC 60601-1, IEC 60601-1-2, IEC 60601-2-41	

\*The device itself has an intended service life of 10 years.

## MOUNTING OPTIONS

Mobile Version	Ceiling Mount	Wall Mount
		
Length Stand w. Spring Arm [mm]: 720 + 1.760	Length Extension Arm and Spring Arm [mm]: 800 + 720	Length Extension Arm and Spring Arm [mm]: 800 + 720
Mobile Foot (d = 65 cm) with 4 rolls, 2 nonbraked	Ceiling Mount Lengths [mm]: 200   400   600   800   1.000	Supplied with plugin external power supply