



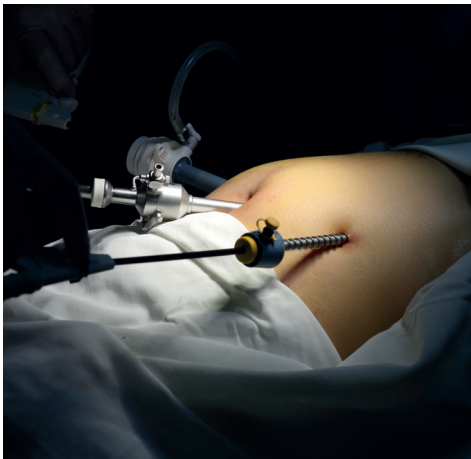
COMPACT SURGICAL LED LIGHTS
ATO ML 600B | ATO ML 1000B

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 ($R_9 > 90$) and enhance the visualization of the surgical field. The ML 600B and ML 1000B have a fixed colour temperature of 4.000 K.

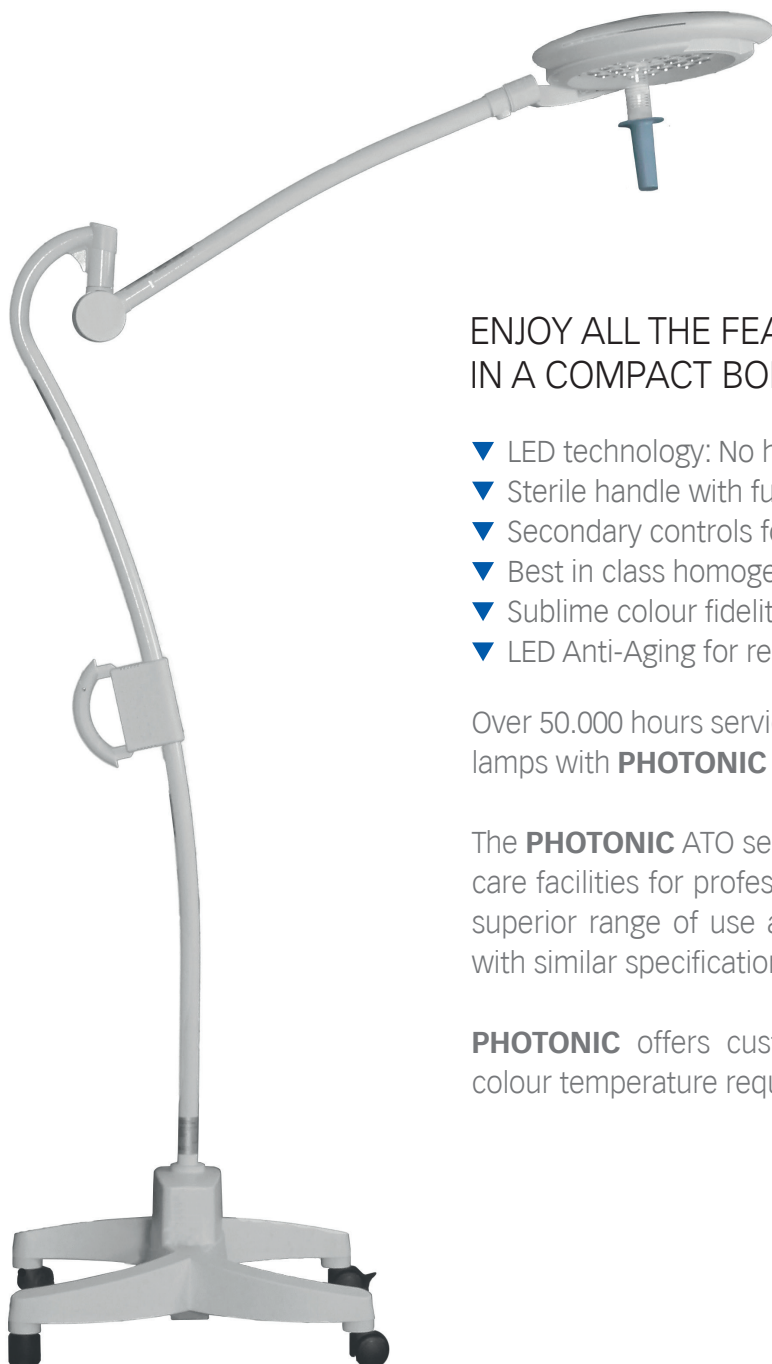


DESIGN & HANDLING

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 ≥ 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 ²]	220	390
Power consumption [W]	24	33
Colour temperature [K]	4000	
Light field diameter D _{50/10} [mm]	140 / 210	
Depth of illumination [mm]	1010	
Minimum working distance [mm]	700	
Colour rendering index R _{a/v9} [-]	≥ 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
		
<p>Length Stand w. Spring Arm [mm]: 720 + 1.760</p> <p>Mobile Foot (d = 65 cm) with 4 rolls, 2 nonbraked</p>	<p>Length Extension Arm and Spring Arm [mm]: 800 + 720</p> <p>Ceiling Mount Lengths [mm]: 200 400 600 800 1.000</p>	<p>Length Extension Arm and Spring Arm [mm]: 800 + 720</p> <p>Supplied with plugin external power supply</p>