



ASELight 160 / 120 E02

LED SURGICAL LIGHTS

Best light for optimum sight – The right choice for every application

aselight 

If you are ready for the future - Then we are your companion

Due to the network-based connection of the luminaire to the ASELight touch screen, the doors are open for a comprehensive OR integration of the luminaire. Whether by simple video management or remote operation of the entire luminaire including camera control, whether by the Asetronics touch panel, by OR integration in the operating theatre or from a lecture theatre - we are your partner for the implementation of future innovations.

- * *Network integration via Asetronics switch and interface*
- * *Ready for OR Integration*
- * *Definable MAC Address*
- * *RS485 interface*



When everything has to fit - Unlimited application through tailor-made solutions

Whether as a single system with wall bracket or as a 3-fold ceiling system with 2 lights and a monitor holder, we offer you the right mounting variant, tailored to your rooms and your technical conditions. Ask also for our mobile systems or let us advise you about uninterruptible power supplies (UPS).

- * *Single and multiple ceiling mounting systems as 160 + 160 kLux or 160 + 120 kLux combination*
- * *Exact customized production according to your specifications - variants for wall mounting or with mobile tripod*
- * *UPS solutions up to 4h without current supply*



If you have to rely on your equipment - Get a quality that pays off

Thanks to the latest LED technology paired with high quality materials the ASELight E02 offers highest reliability and availability over many years.

- * *5-year warranty on the luminaire*
- * *70,000 h lifetime of the LED modules*
- * *Aluminium housing with optimum heat dissipation*
- * *Minimum energy consumption*





If you don't want to miss a single detail - Premium lighting quality for optimum visibility

With a CRI of 97, the light of the ASELight E02 is almost identical to natural daylight, this means for you best recognition of structures and comfortable seeing. Thanks to the continuous adjustment of the light intensity and the enlarged light field diameter you always have the right light in the right place. In addition, the steplessly available extended colour temperature range allows you to achieve the best contrast for your surgery field.

- * *Infinitely dimmable from 10 to 100 %*
- * *Infinitely variable colour temperature range from 3,500 K to 5,500 K*
- * *Colour Rendering Index 97*
- * *Field of light diameter 32cm resp. 22cm 160 E02 (24/18 cm for 120 E02)*

If efficiency counts – The ease-of-use keeps you focused on your clinical work

Different operations and surgery conditions require different procedures for an optimal workflow and efficient control. Thanks to the versatile usability of the ASELight E02, you are able to find the ideal and most suitable handling right on your fingertips. You can concentrate on the intervention without distraction.

- * *Membrane keypad with LED indicators directly on the luminaire - on both sides of the lamp head*
- * *Touch-free dimming of the luminaire*
- * *Synchronization of all settings between the lamps*
- * *Remote operation via Asetronics touch panel - as table model, mounted on the wall or in the wall*
- * *Integrable for operation via an OR integration console, up to stored presets*





Applications

- » General surgery
- » Neurosurgery
- » Cardiac surgery
- » Oral surgery

Technical Data

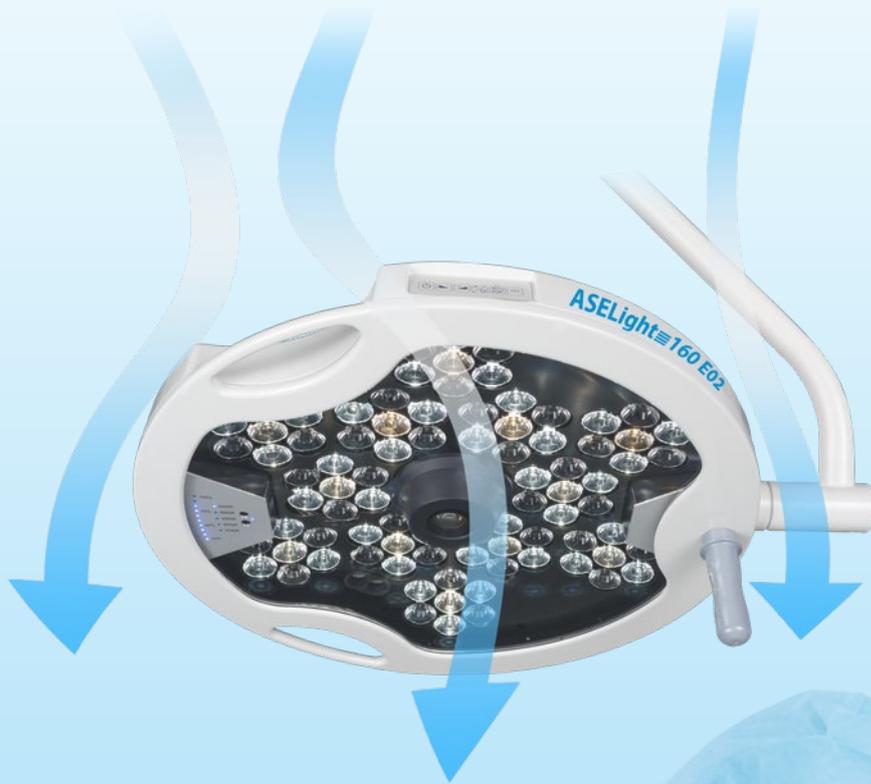
Model	ASELight 160 E02	ASELight 120 E02
Intensity of illumination E_c @ 100 cm	160'000 Lux	120'000 Lux
Irradiance E (typ.)	557 W/m ²	406W/m ²
Light field diameter	240 mm / 320 mm	180 - 240 mm
Colour temperature (continuously variable)	3500 K - 5500 K	3500 K - 5500 K
Colour rendering index (CRI) Ra	97	97
R9	98	96
Illumination depth L1 + L2 (@60% E_c)	420 mm + 520 mm	360 mm + 340 mm
Weight with cardan arm	17.5 kg	15.7 kg
Dimensions (light only)	600 x 600 x 100 mm	500 x 500 x 80 mm
Power consumption (light only)	max. 95 W (typ. <90 W)	max. 50 W (typ. <48 W)
Power supply	24 VDC \pm 2V	
Minimum service life (LED)	70'000 hours	
Ambient operating temperature	0 °C - 40 °C	
Relative humidity in operation	30% - 75%	
Air pressure	500 - 1060 hPa	
Storage and transportation temperature	0 °C - 60 °C	
Relative humidity for storage and transportation	10% - 75%	
IP protection class	IP54	

If you have high hygienic requirements - Easily cleanable and safe

By the compact size and specially curved shape, the ASELight E02 is ideally suited for the use in laminar flow, which is further improved by the low surface temperature of the luminaire. Due to its shape and first-class workmanship, the lamp is also very easy to clean.

- * *Maximum 35 °C surface temperature*
- * *High protection against penetrating liquid and dust IP 54*
- * *Antibacterial surface*
- * *Easily accessible shape without angled, hard to clean corner*

aselight HIGHLIGHTS



5 years warranty on luminaire



70'000 hours LED lifetime



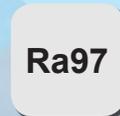
Optimized for laminar flow



Touch free infinitely dimmable with integrated sensor



Low energy consumption



Constant high CRI 97



Low surface temperature through high-quality aluminium housing



Dust and water protected



Prepared for OP Integration



Antibacterial surface



Integrated HD camera with 30x zoom (Sony)



Easy to maintain and clean





Advantages of the new light generation in LED technology

Optimum visibility thanks to the best light

- » Daylight as you need it for relaxed vision
- » CRI from 97 from 3'500 to 5'500 K continuously dimmable from 10% - 100%
- » Enlarged light field diameter with maximum homogeneity

Quality you can rely on

- » Swiss Made - for highest quality demands with a 100% final inspection
- » High-quality materials for safe use over many years (no plastic housing)
- » 70,000 h LED service life thanks to optimum heat management
- » 5 years warranty on the lights

The right solution for every application

Select the right options for your OP of the examination light.

- » On the ceiling, on the wall or as a mobile version with a sturdy rolling stand.
- » With HD camera, external control unit and/or OR monitor (4K optional)
- » Protected by an uninterruptible power supply of up to 4 hours per luminaire

Ready for future challenges

- » Network-compatible for comprehensive IT integration
- » Ready for full OR integration with camera and light
- » Easy handling due to external operation with touch screen

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