

TRILUX Medical

Aurinio® LED OR-Lights

WHITE



MAXIMUM PERFORMANCE - MINIMUM CONSUMPTION.

HYGIENE

IP54 protection in compliance with IEC 144 against the ingress of dust and water // Wipe disinfection-resistant // Re-sterilizable handgrip or one-way sterile handgrip // streamlined light housing for Laminar air flow air-handling ceilings

ILLUMINANCE AND ILLUMINATION DEPTH

Example of Aurinio® L 120 PM // central illuminance at 1 m distance 160,000 lux // Illumination depth L1 + L2 consists of 1000 mm // high shadow resolution

LUMINOUS EFFICACY

LED technology achieves high light output ratio // More efficiency via compact construction // direct reflector-free light emittance via optical lenses

OPTIMAL ILLUMINATION OF VARIOUS OPERATING FIELD SIZES

Example of Aurinio® L 120 PM // Variable light field diameter 215 mm to 290 mm

ADJUSTABLE COLOUR TEMPERATURE

For rich contrast illumination of differing tissue types // colour temperature in 3 steps, 3,800 K - 4,300 K - 4,800 K - PM Version

LIGHT

Cool light without infrared rays // optimal area and depth illumination // shadow-free via ideal ratio of light body to light field diameter // natural colour rendition via white light (Ra of approx. 98 over all dimming levels, approx. 99 in the R9 red range) // settable between 32,000 and 160,000 lux

BETTER VIEWING

Endoscopy mode // Increases contrast effect for the operator with imaging techniques // Reduces reflections on observation monitors with endoscopic operations // supplies discreet background lighting for orientation for the complete OR team

MAINTENANCE AND ENERGY

LAS technology for 100 % lumen yield after many years //

TECHNOLOGY

Lens combination developed by TRILUX Medical with primary and secondary optic for focusing of light // high-performance white LEDs with maximum colour rendering // Variable colour temperature (Aurinio® PM) // dimmable illuminance



AURINIO® LED OR LIGHT

Technical specifications of the lights	Aurinio® L 120 PM	Aurinio® L 110 SD
Light intensity at 1 m distance	160,000 lx	160,000 lx
Dimmability	32,000–160,000 lx stepless	32,000–160,000 lx in 8 levels
Colour temperature adjustment	yes	no
Colour temperature	3,800 K; 4,300 K; 4,800 K	4,700 K
General Colour rendering index R _a	98	98
Colour rendering index R _g (red)	99	99
Light field diameter	D10 = 215 mm, D50 = 120 mm	D10 = 215 mm, D50 = 120mm
Light field adjustment	D= 215 mm - 290 mm	D= 215 mm - 290 mm
Depth of illumination	60 % 500 mm 20 % 1000 mm	60 % 450 mm 20 % 750 mm
Temperature of light head surface	< 27,5 °C	< 27,5 °C
Total irradiance at 100,000 lx	~325 W/m ²	~325 W/m ²
power consumption without camera with camera	~60 W ~65 W	~56 W ~61 W
Endoscopy mode	Green light	Green light
Operating elements	Sensor buttons	Membrane buttons
Remote control	Sensor buttons	Sensor buttons
Focusability	yes*	yes*
Service life of lamp	> 40,000 H	> 40,000 H
Degree of protection of light head	IP 54	IP 54
Dimensions of light head	750 x 750 mm	750 x 750 mm

Illumination data in accordance with DIN EN 60601-2-41. Data may deviate up to +/- 10 %.

* not with camera or camera preparation

Technical specifications of the cameras	Aurinio® K HD
Signal system	HD 1080i
Resolution	2,000,000 pixel
Sensor type	1/3" CMOS
Lens	F 1.8 – F 2.1
Zoom	120 x (10 x optical, 12 x digital)
Viewing angle	50° (wide) to 5.4° (tele)
Autofocus	yes, lockable
Elektronic shutter	1/2 to 1/10,000 s in 21 steps