



NOVA.light

SERIES 600

TECHNICAL SPECIFICATION TABLE

SURGICAL LIGHTS

TECHNICAL DATA NOVA.light 600

GENERAL DATA

Weight of the light head [kg]	15
LED quantities	54
Lifetime of LED light source [h]	> 60.000
Rotation	360°
Sterilizable handle per light head	Yes
Sterile handle cover single use (optional)	Yes
IP protection class	IP 54
Material of the light head	Monocoque aluminium
Camera preparation (optional)	HD/4K
Light emitting surface	Tempered safety glass
Diameter light head [mm]	600 (approx.)
Exact dimensions [LxWxH] [mm]	586 x 597 x 55
Mobile version	Yes
Mobile version with battery	Yes
Charging time of battery from 0 % to 100 % [h]	3,5
Battery backup mobile version [h] at 80% of max. intensity	> 6
Remote control Wall-mounted	Optional

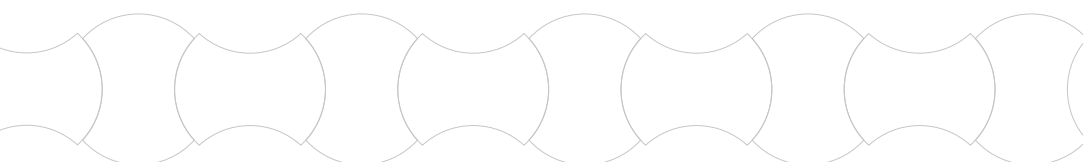
CONNECTION VALUES

Voltage range [V]	100 - 230 VAC 50/60 Hz
Nominal voltage [V]	24
Power intake [W] Power supply per light head	32
Ampere [A]	1,33

TECHNICAL LIGHT PROPERTIES

Light intensity at 1 m distance [lux]	160.000
Dimming range (continuous) [klx]	16 - 160
Dimming range [%]	10 - 100
Light field diameter (d10) in 1 m distance / small light field [mm]	170
Light field diameter (d50) in 1 m distance / small light field [mm]	100
Light field adjustment [mm]	170 - 280

Tolerance $\pm 10\%$; technical specifications are subject to change



d50 / d10 Ratio	0,58
Field adjustment	Stepless
Type of field adjustment	Electronical - Mechanical
Illuminance with standard tube, related to EC [%]	100
Illumination intensity with one mask, (with or without tube) based on EC [%]	38
Illumination intensity with two masks, (with or without tube) based on EC [%]	70
Ee/Ec Ratio [mW/m2 lx]	3,8
Total irradiance Ee [W/m2]	560
Color rendering index Ra	≥97
Rendering index R9 (Red) / R13 (Skin)	≥97
Color temperature adjustable in 5 steps of 500 [K]	3.500 - 5.500
Luminous efficiency [lx/W]	5.000
Increased temperature in the head area [°C]	<1
Depth of light field L1 + L2 [mm] 20%	1.200
Depth of light field L1 + L2 [mm] 60%	600
Endo mode I Endoscopic lighting in 9 steps [%]	5 - 10
Ambient lighting [lux]	aprox. 500
Maximum blue light hazard weighted radiance (1m) [W / m²]	160

ENVIRONMENTAL CONDITIONS DURING USE

Operating temperature [°C]	5 - 40
Relative maximum humidity [%]	5 - 95

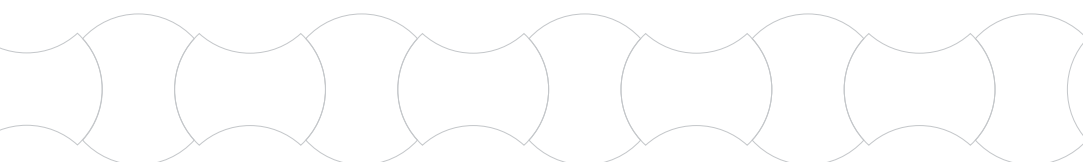
ENVIRONMENTAL CONDITIONS TEMPORARY STORAGE/ TRANSPORT

Operating temperature [°C]	-10 to 40
Relative maximum humidity [%] non condensing	5 - 95
Air pressure [hPa]	700 - 1060

CERTIFICATES

Certificates	CE / FDA / IEC 60601-2-41
--------------	---------------------------

Tolerance ± 10%; technical specifications are subject to change



NEXOR

HEALING ENGINEERING

WWW.NEXORMEDICAL.COM
NEXOR MEDICAL GmbH | GERMANY
Take-Off Gewerbepark 9 78579 Neuhausen ob Eck
Email: info@nexormedical.com