



NOVA.light

SERIES 300

TECHNICAL SPECIFICATION TABLE

EXAMINATION LIGHTS

TECHNICAL DATA NOVA.light 300

GENERAL DATA

Weight of the light head [kg]	2,3
LED quantities	18
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 42
Material of the light head	Aluminum / Medical Grade Silicone
Light emitting surface	PMMA
Diameter light head [mm]	270
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

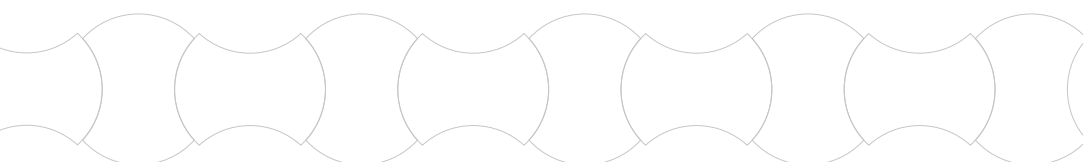
CONNECTION VALUES

Voltage range [V]	100 - 230 VAC 50/60 Hz
Nominal voltage [V]	24
Power intake [W] Power supply per light head	29
Ampere [A]	1,21

TECHNICAL LIGHT PROPERTIES

Light intensity at 1 m distance [lux]	80.000
Dimming range (continuous) [klx]	40 - 80
Dimming range [%]	50 - 100
Light field diameter (d10) in 1 m distance / small light field [mm]	140
Light field diameter (d50) in 1 m distance / small light field [mm]	85
Light field adjustment [mm]	140 - 175
d50 / d10 Ratio	0,61
Field adjustment	2 positions
Type of field adjustment	Electronical

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



Ee/Ec Ratio [mW/m2 lx]	3,5
Total irradiance Ee [W/m2]	279
Color rendering index Ra	≥97
Rendering index R9 (Red) / R13 (Skin)	≥97
Color temperature [K]	4.900
Luminous efficiency [lx/W]	2.800
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

ENVIRONMENTAL CONDITIONS DURING USE

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

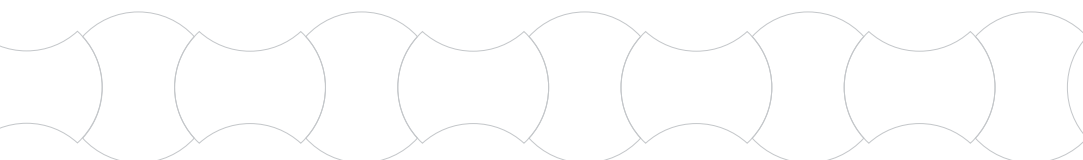
ENVIRONMENTAL CONDITIONS TEMPORARY STORAGE/ TRANSPORT

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

CERTIFICATES

Certificates	CE / FDA
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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