



SURGICAL LED LAMP

STARLED3 NX



STARLED3 NX

IS THE LED LAMP MANUFACTURED BY ACEM MEDICAL COMPANY ASSURING COLD LIGHT, LONG LIFE AND LOW ENERGY CONSUMPTION. THE LAMP IS SUITABLE FOR COUNTLESS APPLICATIONS BOTH FOR SURGERY AND FOR OPERATING ROOM. IT IS IDEAL FOR DIAGNOSTICS, DENTAL SECTOR, GYNECOLOGY, DERMATOLOGY, GENERAL MEDICINE AND SURGERY.

STARLED3 NX grants a homogeneous and shadowless light focusable according to needs. The visual area is perfectly illuminated assuring both excellent lighting comfort and working conditions.

The lamp provides:

- **HIGH LIGHT INTENSITY**
- **IR-FREE LIGHT**
- **VARIABLE COLOUR TEMPERATURE**
(OPTIONAL TW VERSION)
- **EXCELLENT COLOR RENDERING INDEX (CRI)**
- **FOCUSABLE LIGHT BEAM**
- **LONG LIFE**
- **LOW ENERGY CONSUMPTION**



STARLED3 NX is composed by three reflectors that produce a well-blended and intense cone of light focusable through the specific function on the control panel.

The design is practical, compact and functional.

The lamp is ergonomic, easy to move and to position and suitable for the laminar flows of the operating room.

Thanks to its ENDO function (light for endoscopy)

STARLED3 NX is also suitable for minimal-invasive surgery.

The easy-to-clean shape and material of **STARLED3 NX** as well as its removable, sterilizable and easy-to-grip handle assure an excellent cleanliness.



STARLED3 NX CONTROL PANEL

Functions are adjusted through the innovative easy-to-read, ergonomic and easy-to-clean I-SENSE control panel available in standard version and v2016.

With a simple touch it can manage easily and accurately:

- **ON/OFF FUNCTION**
- **LIGHT INTENSITY ADJUSTMENT**
- **DOF - DEPTH OF FIELD** - for a deep light
- **ENDO** - Light for endoscopy ideal for minimal-invasive surgery
- **SIZE** - Light spot diameter adjustment to focus the operating area
- **SYNC** - (optional) Function to synchronize controls of combined lamps: **STARLED3 NX** double (twin dome configuration) and with **STARLED5 NX**

The SYNC mode grants simplicity of use saving time and giving the possibility of being managed by a single operator.

SYNC is activated through the AWN system, a wireless network connecting devices such as lamps and remote controls via a Bluetooth proprietary protocol.

AWN is available as low as from a single lamp up to a full OR system with several lamps.

Countless combinations are possible, for example:

- 1 – With one lamp and remote control**
- 2 – With two lamps without remote control**
- 3 – With three lamps and remote control**

The MASTER lamp always creates the wireless network.

One or more SLAVE devices (up to 8)

can be connected to the MASTER lamp.

Each network has its unique ID code to differentiate it from other nearby AWN networks thus allowing several close-up networks (lamps groups) not to interfere one another.



STANDARD



V2016

WRC2 REMOTE CONTROL PANEL

The wireless Wall Remote Control features full control for all the lamps connected to the same AWN network. The WRC2 features the same 4.3- inch color LCD-TFT, touch screen panel, which mirrors the I-SENSE control panel on the lamps. WRC2 remote control panel is available if AWN option is present in the lamps system.



STARLED3 NX WITH ABPS BATTERY

STARLED3 NX can be supplied with ABPS (optional), a rechargeable battery powered system which supplies efficient light for every condition of use:

- emergency situations
- critical regions
- humanitarian interventions
- case of sudden black-outs
- no electrical power supply
- field hospitals without UPS or power generators

The lamp with ABPS has the same performance. The structure which covers and protects the battery is made of resistant plastic. The control panel on the structure allows managing: residual charge, type of power supply, recharge status and electrical power supply presence.



TECHNICAL DATA SHEET

E & O L

Power supply input voltage	100-240 Vac - 50/60 Hz
Power consumption	69 W @ 130.000 LUX (87 W @ 160.000 LUX)
Protection class (EN 60601-1)	I
Light head working voltage	24 Vdc
LED average life	60.000 HOURS ABOUT
Maximum light intensity, Ec	130.000 LUX (160.000 LUX optional @ 100 cm)
Colour Temperature, CCT	Standard version 4.500 K TW VERSION From 3.700 K to 4.700 K Stepless adjustable

Colour Rendering Index (Ra/R9/R13)	98/90/100
Working distance	70 - 150 cm
Light intensity adjustment	From 5% to 100% Stepless
Light field diameter (d10/d50)	Small spot 24/13 cm Large spot 33/17 cm
Depth of illumination L1 + L2	117 cm (at 20 %), 71 cm (at 60 %)
Light head diameter / Weight	50 cm / 4,2 kg
Colour	RAL 9002
Wireless FHD camera in the central handle or on external additional harm	Optional

Note: All photometric values are subject to 10% tolerance. All data are according to reference Standard: EN 60601-2-41, at a distance of 100 cm.

TECHNICAL FEATURES ABPS

E & O L

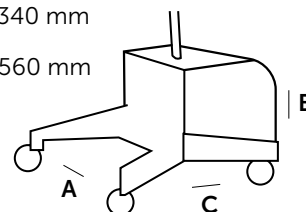
Input voltage	100-240 Vac - 50/60 Hz	100-240 Vac - 50/60 Hz
Output voltage to light head	24 Vdc	24 Vdc
Protection class (EN 60601-1)	I	I
Battery number / Capacity	2 / 28 Ah	2 / 18 Ah
Autonomy when at max. power	10 HOURS ABOUT	4 HOURS ABOUT
Max. recharge time	8 HOURS ABOUT	4 HOURS ABOUT
ABPS total weight (Trolley included)	36 Kg	28 Kg

BATTERY DIMENSIONS

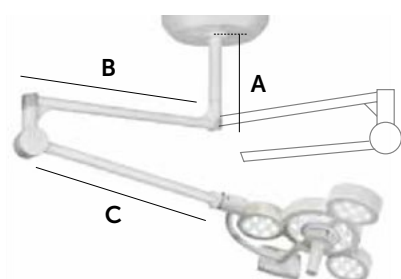
A = 560 mm

B = 340 mm

C = 560 mm



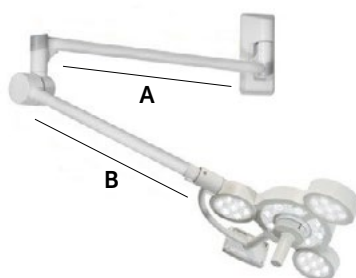
STARLED3 NX IS AVAILABLE IN THE FOLLOWING CONFIGURATIONS



A = FROM 250 mm TO 1.100 mm
B = 800 mm C = 720 mm

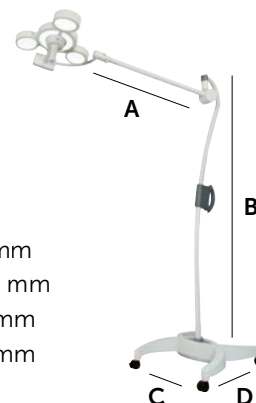
CEILING MOUNTED

(single, twin dome or in combination with SOLED15, SOLED15-F, ACEMSO15F)



A = 800 mm
B = 720 mm

WALL MOUNTED



A = 550 mm
B = 1.750 mm
C = 560 mm
D = 560 mm

TROLLEY MOUNTED

(ABPS BATTERY on demand)

STARLED3 NX

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DEP.STARLED3NX.EN r2201



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Management
System
ISO 13485:2016
ISO 9001:2015

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