



LED LAMP FOR OPERATING ROOM

STARLED5 NX



STARLED5 NX

WITH ITS CONSTANT ATTENTION TO THE EVOLUTION OF TECHNOLOGY AND CLINICAL NEEDS AND AWARE OF THE RESPONSIBILITY OF OPERATING IN A SECTOR OF SUCH IMPORTANCE AS THE MEDICAL ONE, ACEM MEDICAL COMPANY (DIVISION OF ACEM SPA) IS CONSIDERED A PARTNER FOR SURGEONS AND MEDICAL STAFF IN THE OR. **STARLED5 NX**, SURGICAL LAMP WITH LED TECHNOLOGY, IS BORN TO MEET THE NEEDS OF ITS USER GRANTING OPTIMAL PERFORMANCES, RELIABILITY AND VISUAL COMFORT. **STARLED5 NX** BOASTS AN EXCELLENT LIGHT QUALITY. THE SPECIAL OPTICS OF ITS LEDs, REALIZED BY ACEM, GENERATES A SHADOWLESS, CLEAR AND HOMOGENEOUS LIGHT ASSURING VISUAL COMFORT AND BEST WORKING CONDITIONS BOTH FOR THE SURGEON AND FOR THE MEDICAL STAFF.

STARLED5 NX



The lamp provides:

- HIGH LIGHT INTENSITY FOR ANY TYPE OF SURGERY
- IR-FREE LIGHT
- VARIABLE COLOUR TEMPERATURE (OPTIONAL TW VERSION) TO ENSURE AN EXCELLENT REPRESENTATION OF THE OPERATING FIELD CONTRAST
- FOCUSABLE LIGHT BEAM
- EXCELLENT COLOR RENDERING INDEX (CRI)
- LONG LIFE
- LOW ENERGY CONSUMPTION
- ERGONOMICS IN USE AND EASY POSITIONING BY THE MEDICAL TEAM
- EASY, FAST AND ACCURATE I-SENSE CONTROLS

STARLED5 NX can produce a FOCUSED and AMBIENT light. Thanks to its special optics realized by ACEM, the light field focusing system adjusts the light spot diameter accurately assuring an excellent sharpness of details in the operating area. AMBIENT light is managed by ENDO function. This technology consents a visual comfort as well as a correct vision of the surrounding environment thanks to its particular light beam coming from the upper part of the lamp. **STARLED5 NX** is particularly suitable for mini invasive surgery and is ideal for the preparation and treatment during the operation, monitoring of the patient and microscope operations.

Its ergonomic and practical design takes into consideration sanitary requirements essential for the operating room. The 43 LEDs, which make the **STARLED5 NX**, are circularly positioned and divided into 5 reflectors with 7 LEDs each one and other 8 LEDs are radially placed around the handle. Comfortable and light to move, thanks to its central handle, **STARLED5 NX** is also practical for the medical team who can move it from the lateral handles assuring stability and constant illumination even during the movement. For this reason **STARLED5 NX** has been manufactured with a smooth and resistant material that makes cleaning quick, easy and complete. Its removable and sterilizable central handle can house a video camera on demand shooting the surgical operations accurately (the video camera can be placed on a separate arm alternatively). The lamp shape assures visual comfort and is particularly suitable for laminar flows in the operating room.

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



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.



TECHNICAL SHEET

Power supply input voltage	100-240 Vac - 50/60 Hz	Working distance	70 - 150 cm
Power consumption	75 W @ 130.000 LUX (90 W @ 160.000 LUX)	Light intensity adjustment	From 5% to 100% Stepless
Protection class (EN 60601-1)	I	Light field diameter (d10/d50)	Small spot 24/13 cm Large spot 33/17 cm
Light head working voltage	24 Vdc	Depth of illumination L1 + L2	117 cm (at 20%), 64 cm (at 60%)
LED average life	60.000 HOURS ABOUT	Light head diameter / Weight	67 cm / 12 kg
Maximum light intensity, Ec	130.000 LUX (160.000 LUX optional @ 100 cm)	Colour	RAL 9002
Colour Temperature, CCT	STANDARD VERSION 4.500 K TW version From 3.700 K to 4.700 K Stepless adjustable	Wireless FHD camera in the central handle or on external additional harm	optional
Colour Rendering Index (Ra/R9/R13)	98/90/100		

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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.

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ACEM SPA | VIA DELLA TECNICA 29,
40050 - ARGELATO, BOLOGNA - ITALY
PH +39 051 721844 | info@acem.it

WWW.ACEM.IT



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System
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www.tuv.com
ID 9105086197

