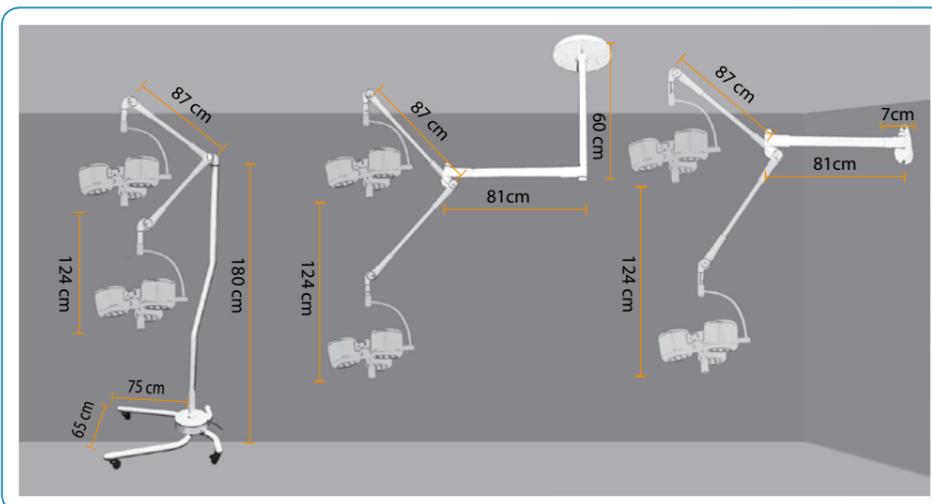


## Technical features

I.P.

DC voltage	33 VDC
Power consumption	55W
Product class (EN 60601-2- 41)	I
Light source	LEDs
Average life	50.000 hrs
Lighting at the centre , Ec @ 100 cm	130.000 lux
Light adjustment	from 100% to 10%
Lighting area surface	148 cm <sup>2</sup>
Colour temperature, CCT	4.900 °K
Colour rendering index, Ra	95
Light efficiency	70 lm/W
Power supply	100 - 240 VAC ±10% 50/60Hz
IR irradiation	0.026 W/m <sup>2</sup>
UV irradiation	0.022 W/m <sup>2</sup>
Irradiation/Lighting Ratio	0.356 mW/m <sup>2</sup> *lux
Light field dimension d50 @ 100 cm	10 cm
Light field dimension d10 @ 100 cm	19 cm
Focusable working distance	70-150 cm
Lighting depth L1+L2	82 cm
Light head weight	5,5 Kg
Light head diameter	44 cm
Max overall light head rotation	52 cm
Single ceiling arm weight	12,5 Kg
Wall arm weight	7,5 Kg
Trolley weight	17 Kg
Painting	White RAL 9002/9010
Handle	Removable, autoclavable



ACEM reserves the right to modify the design and specifications contained herein without any prior notice.

E.&.O.E.



# STARLED3 EVO PLUS®



MEDICAL LAMP

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STARLED3evo+ is a registered trademark of ACEM which is equivalent to STARLED3 EVO PLUS.  
Rev. 05 10/2011

COMPANY WITH QUALITY MANAGEMENT  
SYSTEM CERTIFIED BY DNV  
= ISO 9001:2008 =

COMPANY WITH QUALITY MANAGEMENT  
SYSTEM CERTIFIED BY DNV  
= ISO 13485:2003 =

# STARLED3 EVO PLUS

**STARLED3 EVO PLUS** is a minor surgical lamp based on LED (Light Emitting Diode) technology, the exceptional light source that is imposing more and more over the time for its small size, long life, low energy consumption, cold light and excellent colour rendering index.

The structure of **STARLED3 EVO PLUS** is compatible with laminar flows, ergonomic, easy to move and to clean. Its available configurations are wall, ceiling and trolley mounted. The lamp is therefore useful for outpatient, dental and operating purposes, thanks to its light focusing function too.

**STARLED3 EVO PLUS** is the result of an accurate analysis of the technological evolution and clinical needs made by ACEM Medical Company.



### Cold Light

LEDs produce a light beam without infrared rays (IR) and therefore without heat; this cold light will not alter or change neither the target temperature nor that on the surgeons' head.



### White Light

Thanks to the new LED light technology we have been able to produce an unparalleled quality of light with a colour temperature (CCT) of 4.900 °K, comparable to that of natural sunlight and a colour rendering index (CRI) of 95. Unlike conventional bulbs it is also possible to adjust brightness without altering light emission features.

### Efficiency and long life

While the standard light bulb starts losing efficiency from its first stage of use, high-powered LEDs have a very linear yield and a negligible performance decay for their entire life duration. The high efficiency achieves more light with less energy.

**STARLED3 EVO PLUS** reaches a luminous intensity of 130.000 lux with an electrical consumption of 55 W.

LEDs are semiconductors. For this reason they boast an average life of more than 100 times that of normal bulbs.

The life cycle of LEDs which make up the Starled3 Evo Plus is approximately 50.000 hours.



### I-SENSE digital control panel

The lamp, completely digital, is controlled by microprocessors and has a new I-SENSE control panel which grants an extremely simple and ergonomic way of regulating and visualizing light intensity, ENDO function (light up) as well as the



selection of the three lights forming it. Based on the needs, it can be used with one, two or three of its lights.

Thanks to the manual controls in the central handle, **STARLED3 EVO PLUS** has the possibility of focusing the light beams with a simple clockwise or anti-clockwise rotation of the handle. This has a simple system to insert and remove it, granting fast remotion and sterilization.



The ENDO function (light up) grants an ambient light thanks to light beams coming from the upper part of the lamp allowing the regulation of light levels particularly fit for the preparation, assistance and monitor of the patient during the intervention and microscope surgery.



### Available configurations

#### Wall mounted

- fixing plate included
- first part of the arm rotation of 180°
- second part of the arm rotation of 360°

#### Trolley mounted

- two wheels with blocking system and one antistatic

#### Ceiling mounted

- arm rotation of 360°
- suitable for ceiling heights between 270 and 300 cm.
- for non standard ceiling heights, it is possible to request the modification of the ceiling pole

- available with a double arm and double light head (system)