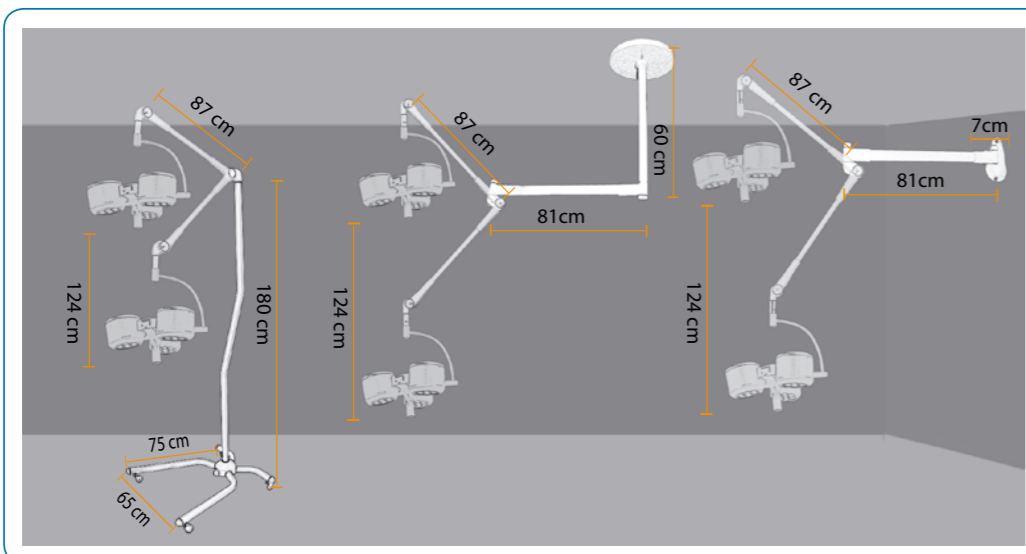


Technical features

P. I.

DC voltage	33 VDC
Power consumption	55W
Product class (EN 60601-2-41)	I
Light source	LEDs
Average life	50.000 h
Lighting at the centre , Ec @ 100 cm	130.000 lux
Light adjustment	from 130.000 to 10.000 lux
Lighting area surface	148 cm ²
Colour temperature, CCT	4.900 °K
Colour rendering index, Ra	95
Light efficiency	70 lm/W
IR irradiation	0.026 W/m ²
UV irradiation	0.022 W/m ²
Irradiation/Lighting Ratio	0.356 mW/m ² *lux
Temperature increase on patient	1°C
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	8 Kg
Reflector diameter	11 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 9010
Handle	removable, autoclavable



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

E.&O.E.



studio grafico GiraCrea - www.giracrea.it

Acem Medical Company is a registered trademark of Acem S.p.A. All rights reserved



STARLED3 EVO PLUS®

Acem SpA Medical Company Division

Via Bazzane, 49 – 40012 Calderara di Reno (BO) – Italy
Ph. +39 051 721844 Fax +39 051 721855

www.acem.it – info@acem.it

STARLED3evo+ is a registered trademark of ACEM which is equivalent to STARLED3 EVO PLUS.
Rev. 04 03/2010

COMPANY
WITH QUALITY MANAGEMENT
SYSTEM CERTIFIED BY DNV
= ISO 9001:2000 =

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

MEDICAL LAMP



EVOLUTION, one of the key success factors of ACEM Medical Company, keeps going ahead. Evolution in the study of light sources and materials, in designing their own devices, in the shapes and technologies used but above all, in the way light itself is conceived.

Evolution for ACEM Medical Company is the use of LED technology (Light Emitting Diode), an extraordinary light source which is becoming stronger for its reduced dimensions, long duration, low energy consumption, lack of heat and excellent colour rendering index. It is proposed as the "light of the future" for its characteristics of flexibility of use and sustainability in a series of different sectors, but mostly in the medical one.

Such sophisticated technology is the base of all the lamps of the **STARLED Series**, cutting edge in the market, renowned and appreciated all over the world.

Thanks to the attention the R&D department of ACEM grants to the evolution of technology and clinical needs, the **STARLED3 EVO PLUS** is born, more cutting edge and sophisticated than ever.



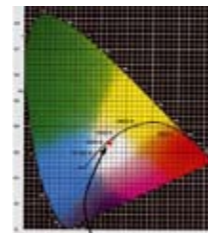
Cold Light

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.



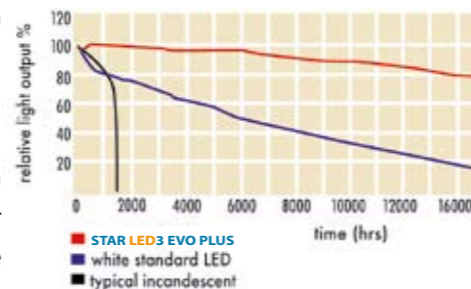
STARLED3 EVO PLUS

Long Life

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

Efficiency

While the standard light bulb starts losing efficiency from its first stage of use, high-powered LED 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 55W of electrical consumption.



Digital

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 that form 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.



In **STARLED3 EVO PLUS** the ENDO function (light up) grants an ambient light thanks to light beams coming from the upper part of the lamp, this consents the regulation of light levels particularly fit for the preparation, assistance and monitor of the patient during the intervention and microscope surgery.

The lamp is available in the following 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 an antistatic one

Ceiling mounted



- arm rotation of 360°
- adaptable 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)