

LED SURGICAL
LAMPS

ACEMST35/57



ACEMST57

IT FEATURES 140 LEDS DISTRIBUTED INTO 35 CLUSTERS ENSURING OPTIMAL WORKING CONDITIONS AND VISUAL COMFORT IN THE OPERATING ROOM. THE LAMP IS OPERATED THROUGH TOUCHSCREEN PANEL OR GESTURE CONTROL MODE (ON DEMAND).

ACEMST35

THE LAMP FEATURES 84 LEDS DISTRIBUTED INTO 21 CLUSTERS ENSURING OPTIMAL ILLUMINATION IN EVERY OPERATING ROOM. IT IS COMPACT, RESISTANT, EASY TO USE AND CLEAN AND EQUIPPED.

ACEMST57



ACEMST35/57

ILLUMINATION IS AN ESSENTIAL ELEMENT IN THE OPERATING ROOM AND SIGNIFICANTLY AFFECTS THE PROGRESS OF THE SURGERY. FOR THIS PURPOSE, ACEM LAUNCHED **ACEMST35/57** SURGICAL LAMPS WITH VERY HIGH PERFORMANCE AND ABLE TO GUARANTEE OPTIMAL WORKING CONDITIONS AND VISUAL COMFORT IN ANY SITUATION OF USE IN THE OPERATING ROOM.

THANKS TO THE USE OF LED TECHNOLOGY **ACEMST35/57** LAMPS ENSURE A PERFECT ILLUMINATION OF SMALL AND LARGE OPERATING FIELDS PRODUCING A WHITE, WARM OR COLD, BRILLIANT, UNIFORM, SHADOW-FREE AND LONG-LASTING LIGHT.
THE USE OF **ACEMST35/57** IS SIMPLE AND USER-FRIENDLY. STURDY, BUT EASY TO MOVE, THEY HAVE A COMPACT DESIGN THAT MAKES THEM COMPATIBLE WITH THE LAMINAR FLOWS IN THE OPERATING ROOM. THE SMOOTH AND CONTINUOUS SURFACE FACILITATES CLEANING OPERATIONS WHILE THE PLASTIC MATERIAL USED FOR THE LIGHT EMITTING SURFACE IS HIGH PERFORMING AND RESISTANT.

ACEMST35/57 offer a high quality illumination characterized by:

- **Uniform and brilliant brightness**, thanks to LED technology, with the possibility to choose between warm or cold white light
- **Efficiency**, thanks to **LED matrix light**, generating an optimal light beam through targeted control of the switching on/off of the single LEDs in the optical group
- **Absence of shadows**, thanks to the **Automatic Shadowless Mode (ASM)**
- **Customizable adjustment**, the user can adapt the light beam according to preferences and needs
- **Depth**, through the **Light Depth Enhancement (LDE)** function
- **Excellent color rendering and adjustable color temperature**, for optimal light quality



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STANDARD CONTROL PANEL

Capacitive technology allows to manage all the functions of the lamp with a simple touch, adjusting:

- **LI – Light Intensity**
- **CT – Colour Temperature**
- **SS – Spot Size**
- **ELM – Endo Light Mode** - Green light, specific for endoscopic procedures
- **LDE – Light Depth Enhancement** - Light enhancement in the center of the beam ideal for in-depth surgery
- **ASM – Automatic Shadowless Mode** - Shadow-free light
- **FALM – Full Auto Light Management** - Shadow-free light beam with constant light intensity and spot size, regardless of the working distance, ideal for the operating room
- **DWS – Device Wireless Synchronization** - Single Control for all the devices on the same network (MASTER/SLAVE Lamp or REMOTE Control Unit)

PREMIUM CONTROL PANEL (OPTIONAL)

The following program is added to the function of STANDARD control panel:

- **CAM – Videocamera** - Adjusts the functions of the video camera connected to the lamp (if present)



STANDARD



PREMIUM

PERFECT ILLUMINATION IN ANY SITUATION



The latest generation technology of ACEMST35/57 is highly performing and guarantees optimal lighting conditions for any type of surgery and tissue to be treated.

The **Endo Light Mode (ELM)** program uses wavelength to produce a diffused green light, particularly suitable for endoscopic procedures.

The integrated function **Light Depth Enhancement (LDE)** generates a light beam in the center allowing a clear and precise view of cavities during in-depth surgery.

The **Automatic Shadowless Mode (ASM)** guarantees shadow-free lighting. Thanks to the obstacle detection sensors, the system works by temporarily dimming the LEDs obscured by the obstacle and intensifying those in free areas.

The **Full Auto Light Management (FALM)** function ensures constant shadow-free light, intensity and size of the light spot regardless of the working distance.

ACEMST35/57 lamps are user-friendly and simple to use, they can be operated in two ways:

CONTROL PANEL Allows to:
- **Operate and adjust** each single light head separately or multiple ones simultaneously
- **Customize** any parameter based on work needs
- **Configure** customized lighting based on the current situation
- **Manage** all the functions of the camera systems (if present)

GESTURE CONTROL (optional) Allows to make all the essential adjustments with a simple gesture of the hand. The functions are:
- **Light field size**
- **Light intensity**
- **Color temperature**

ADJUSTABLE COLOR TEMPERATURE AND EXCELLENT COLOR RENDERING

The ACEMST35/57 models feature a wide color temperature adjustment range—continuous, linear, and stepless—ensuring perfect contrast visibility and optimal differentiation of the various tissue types being operated upon.

INTEGRATED AND SEPARATE VIDEO CAMERA SYSTEMS

ACEMST35/57 are designed for the integration of **FULL HD** and **4K medical camera systems**, also wireless, to be installed directly into the central handle of the lamp or on a separate arm.

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ERGONOMIC AND ASEPTIC DESIGN The smooth and continuous surfaces of the lamps facilitate cleaning operations and **guarantee maximum hygiene**. The material used is highly resistant to abrasion and disinfectants ensuring complete and **long-lasting cleaning**.

ADVANTAGEOUS COST-BENEFIT RATIO The lamps are designed and manufactured offering an advantageous cost-benefit ratio, determined by:

- **Durability of the products**, thanks to the use of high quality materials and strict controls
- **Reduced energy consumption**, high-performance and durable LED technology
- **Low operating costs**, due to the simplicity of assembly and maintenance

DATA SHEET

ACEMST35	
LED Expected service life	**>60,000 hours**
Light field diameter d10	**19 cm ~ 36 cm stepless**
Max. Light intensity Ec	**160,000 Lux**
Color temperature	**3.000 K ~ 5.700 K stepless**
Light intensity adjustment	**10% ~ 100% stepless**
Color rendering index Ra/R9/R13	**99/98/99**
Light head diameter	**61 cm**

ACEMST57	
LED Expected service life	**> 60,000 hours**
Light field diameter d10	**19 cm ~ 36 cm stepless**
Max. Light intensity Ec	**160,000 Lux**
Color temperature	**3.000 K ~ 5.700 K stepless**
Light intensity adjustment	**10% ~ 100% stepless**
Color rendering index Ra/R9/R13	**99/98/99**
Light head diameter	**74 cm**

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 IS SPECIALIZED IN THE DESIGNING, MANUFACTURING AND TRADING OF MEDICAL LED SURGICAL LIGHTS FOR OUTPATIENT AND OPERATING ROOMS.

THE COMPANY CREATES INNOVATIVE SOLUTIONS TO OPTIMISE SURGICAL AND HOSPITAL ENVIRONMENTS.
AS AN INDUSTRIAL LEADER, ITS LIGHTS ARE SOLD AND HIGHLY APPRECIATED WORLDWIDE.

ALL ACEM PRODUCTS ARE STRICTLY MADE IN ITALY, MANUFACTURED WITH TOP-QUALITY COMPONENTS AND CE CERTIFIED.

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