



## MICARE POWERLED

- Aluminum Lamp Housing
- Uniform And Round Focus
- Air Flow Design
- High Color Rendering Index
- Life Time:  $\geq 80,000$ hrs
- Antibacterial coating

## BRILLIANT BY DESIGN

The MICARE PowerLED Surgical Lighting System  
Provides Meaningful, Clinician-Inspired Advances To Keep  
Up With Life In Today's OR.

Through Thoughtful Innovation, This Future-Ready System Offers  
Superior Optical Performance, Laminar Airflow Design

**Customized Version 2025-07-30**

## Full Integration To The OR Environment From Conventional To Theatre Rooms

MICARE PowerLED ensures the clearest  
and brightest light for surgeons, without  
distractions from glare.

Allows equipment  
to be positioned within reach of the  
surgeon, concealing wires and cables to  
improve safety and hygiene. Equip-  
ment can be easily added, removed and  
upgraded to meet future requirements.

Thanks to MICARE Power LED  
High-quality illumination helps to  
relieve strain, Comfort Light feature,  
improves visual performance, reduces  
the sensation of glare and increases the  
feeling of wakefulness leading to a  
better working environment

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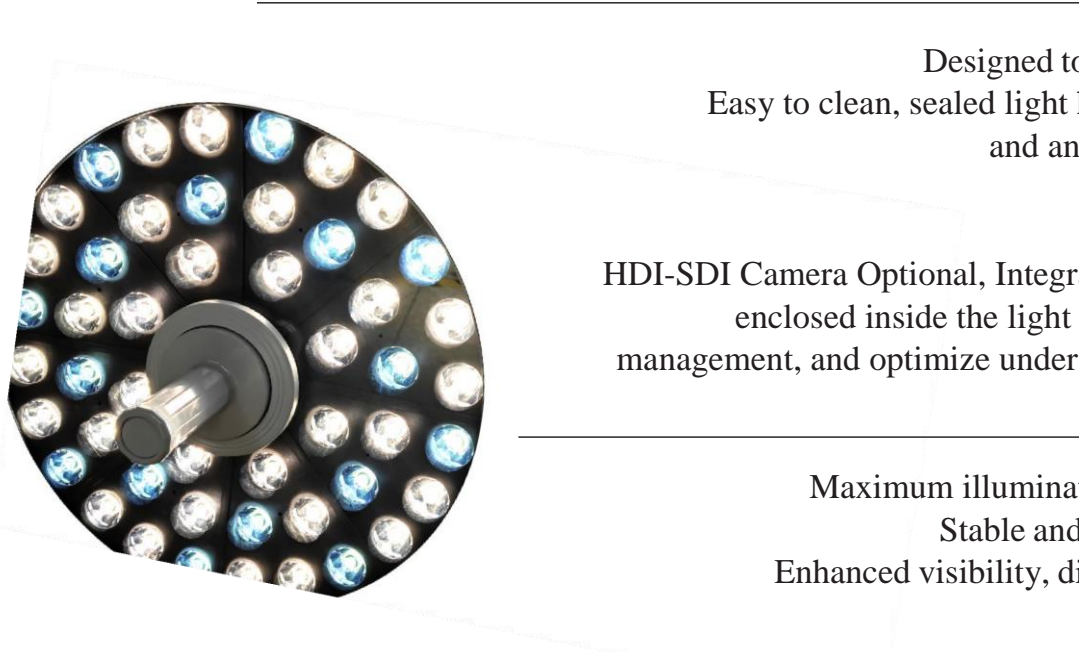
# Micare PowerLED 700/700

## Evolving Design, Revolutionary Features

Near Perfect Colour Rendition with  
white and yellow LEDS mix  
For the best visualisation of tissue during surgery.

Widely Beam Technology From 15CM-35CM  
The largest light beams of any current product  
with high intensity across the full beam width.

Unique Comfort  
A soft illumination of light to reduce eye strain  
from high contrasts of light intensity.



Designed to Minimise Infections  
Easy to clean, sealed light head, remote controls  
and anti-microbial coatings.

HDI-SDI Camera Optional, Integrated cameras are fully  
enclosed inside the light head, records for risk,  
management, and optimize understanding and learning.

Maximum illumination up to 180,000 lux  
Stable and constant illumination  
Enhanced visibility, diagnosis and treatment

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Endoscopy Mode In Deep Illumination  
For Various Operation Environmental



Astro Space Design, Working seamlessly  
with laminar airflow solutions



Removable Sterilizable Handle Can  
Be Easily For Internal Camera



3.7INCHES LCD Touch Panel Optional  
(OEM With LOGO Print Available)



TECHNICAL SHEET



<b>MICARE PowerLED Model</b>	<b>E700/700</b>
Voltage	95~245V · 50/60HZ
Illuminance at distance of 1 m(LUX)	60,000-160,000/60,000-160,000
Brightness Adjustable	0-100% (10 Steps)
Lamp Head Diameter	700MM/700MM
Quantity Of LEDS	80PCS/80PCS
Color Temperature Adjustable	3,500-5,500K
Color rendering index Ra	> 96
Color rendering index R9(Red)	98
Light Field Size Adjustable	150-350MM
Air Flow Design	YES
Endoscopy Mode	YES
Endoscopy Mode LEDS	8PCS/8PCS
Illumination For Endo-Mode	10%
LED service life	80,000hrs
Main Material	Aluminum
Rotating Angle Of Arm	>540°
Power Consumption	105 W
Vertical movement (MM)	≥ 800
Control panel on each head	Touch Screen
Light head protection rating	IP54+FireProof
Depth of illumination L1+L2	1400MM
Working distance (MM)	700 -1400
Antibacterial coating	YES
Light head freedom of movement	≥ 4°
Back Up Battery (4-6 hrs)	Optional
Monitor With Extra Arm (22/27 Inches)	Optional
Internal/External Sony Camera (20X )	Optional
Removable sterilizable handles that provide adjustment of light intensity	YES
Ceiling Height (M)	3 - 4

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## Redefine optical performance Aerospace-based design

How can you deliver more clean airflow to your patient during a surgical procedure? The Osram Power LED allows unobstructed flow of clean air through the lighthead to dissipate accumulated heat and surgical smoke. Working seamlessly with laminar airflow solutions, it decreases air turbulence through its unique airfoil design. Aerospace-based design, We've learned from the best in the aerospace industry for a design that mitigates airflow turbulence while delivering clean air to the patient.

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### LAMINAR AIR FLOW COMPLIANCY 23.5%

According to DIN standard 1946-4 Laminar air flow ceilings are essential in operating theatres to limit the levels of contaminants in the air and thus the risks of post-operative infections for patients. MCARE Power-LED surgical lights were sent to a centre of expertise in air filtration systems, in order to determine its impact on laminar flows in actual operating theatre conditions. Furthermore, the turbulence degree is exceptionally far below the 37.5% limit of the DIN standard



Micare Power LED E700/700  
CAMERA AND VIDEO SYSTEM

THE NEW DIMENTSION IN VIDEO IMAGES

CAMERA (INTERNAL & EXTERNAL)  
More Details, Better Visualization  
Fascinating Images-With Clear, Sharp Contours



E700/700  
Internal Camera



E700/500  
Internal Camera



E500/500  
Internal Camera

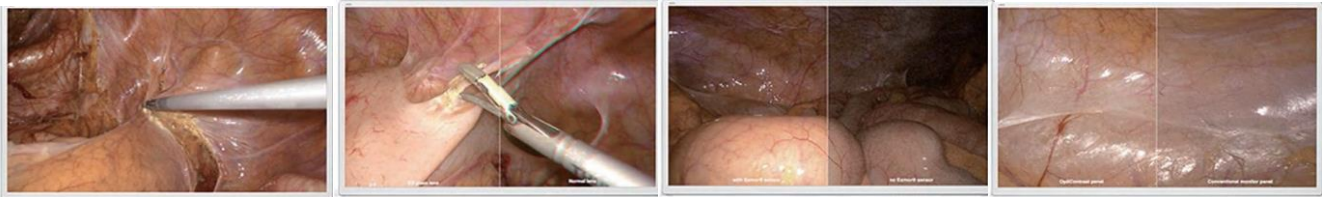


IMAGE SENSOR	SONY 1/2 8TYPE “EXMOR” CMOS, SUPPORT PROGRESSIVE MODE
IMAGE SOLUTION	1920*1080P, APPROX, 2,140,000 PIXELS
VIDEO OUTPUTS	20X OPTICAL ZOOM, 12X DIGITAL ZOOM
ASPECT VIDEO	SDI
FOCUS OPERATING	16:9
WHITE BALANCE	MANUAL & AUTO
REMOTE CONTROL	AUTO, ATW, INDOOR, OUTDOOR, ONE, PUSH WB, MANUAL WB
WIRELESS REMOTE CONTROL	STANDARD ACCESSORIES
HARD DISK FOR STORE	1T
POWER	6.8W
VOLTAGE	DC12-30W, 1.5A
INSTALLATION	INTERNAL & EXTERNAL OPTIONAL
MONITOR	22/24/27 INCHES HANGING WITH ARM
SOUND COLLECTION	STANDARD



E700  
Internal Camera



E500  
Internal Camera



E700  
Internal Camera



E500  
Internal Camera



E700/700  
External Camera



E700/500  
External Camera



E500/500  
External Camera



E700  
External Camera



E500  
External Camera

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## SIMPLY INGENUOUS

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What if you had illumination in the OR that simply supported you throughout each surgical procedure? The MICARE PowerLED does this, delivering excellent color, contrast, clarity, and control. A unique peninsula design provides optimal illumination at the surgical site, including deep cavity procedures. Advances in LED technology mean that the MICARE PowerLed is able to optimize illumination through fewer LEDs than in the past.



## Future-ready to evolve with you

What if you had a lighting system that was modular, upgradeable, and expandable so that it could meet your ongoing needs with ease? You've found it. There are ways to customize this system today and in the future.

All of us here at MICARE are committed to you



You focus on patients. We focus on you.

MICARE Lighting solutions bring together people and technology so that you have exactly what you need, when you need it, for the intelligent OR of today and tomorrow. From project design to implementation to service support, your success is our highest priority.

LIGHTING  
EXPERIENCE