



# MICARE POWERLED

- Aluminum Lamp Housing
- High Color Rendering Index
- Uniform And Round Focus
- Life Time:  $\geq 80,000$ hrs
- Safety Explosion-Proof

## 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

## Full Intergration 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. Equipment 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

# Micare PowerLED 700/500

## 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



Endoscopy Mode In Deep Illumination For Various Operation Enviromental



Astro Space Design, Working seamlessly with laminar airflow solutions



Removable Sterilizer Handle Can Be Easily For Internal Camera



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



| MICARE PowerLED Model               | E700/700                      | E700/500                      | E500/500                      |
|-------------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Voltage                             | 95~245V, 50/60HZ              | 95~245V, 50/60HZ              | 95~245V, 50/60HZ              |
| Illuminance at distance of 1 m(LUX) | 60,000-160,000/60,000-160,000 | 60,000-160,000/40,000-140,000 | 40,000-140,000/40,000-140,000 |
| Brightness Adjustable               | 0-100%                        | 0-100%                        | 0-100%                        |
| Lamp Head Diameter                  | 700MM/700MM                   | 700MM/500MM                   | 500MM/500MM                   |
| Quantity Of LEDs                    | 80PCS/80PCS                   | 80PCS/48PCS                   | 48PCS/48PCS                   |
| Color Temperature Adjustable        | 3800-5500K                    | 3800-5500K                    | 3800-5500K                    |
| Color rendering index Ra            | 96                            | 96                            | 96                            |
| Color rendering index R9(Red)       | 98                            | 98                            | 98                            |
| Light Field Size Adjustable         | 150-3530MM/150-330MM          | 150-330MM/120-280MM           | 120-280MM/120-280MM           |
| Total radiant flux density          | 364W/m2                       | 364W/m2                       | 364W/m2                       |
| Endoscopy Mode                      | YES                           | YES                           | YES                           |
| Endoscopy Mode LEDs                 | 8PCS/8PCS                     | 8PCS/8PCS                     | 8PCS/8PCS                     |
| Illumination For Endo-Mode          | 10%                           | 15%                           | 18%                           |
| LED service life                    | 80,000hrs                     | 80,000hrs                     | 80,000hrs                     |
| Main Material                       | Aluminum                      | Aluminum                      | Aluminum                      |
| Rotating Angle Of Arm               | >540&deg;                     | >540&deg;                     | >540&deg;                     |
| LED Bulb Power                      | 1w Each Pc                    | 1w Each Pc                    | 1w Each Pc                    |
| Working distance                    | 0.7 – 1.5 m                   | 0.7 – 1.5 m                   | 0.7 – 1.5 m                   |
| Operating element                   | Touch Control                 | Touch Control                 | Touch Control                 |
| Light head protection rating        | IP54+FireProof                | IP54+FireProof                | IP54+FireProof                |
| Depth of illumination L1+L2 at 20%  | 1400MM                        | 1300MM                        | 1200MM                        |
| Depth of illumination L1+L2 at 60%  | 750MM                         | 700MM                         | 650MM                         |
| Temperature at Surgeon's Head       | 1°C                           | 1°C                           | 1°C                           |
| LCD Touch Screen                    | Optional                      | Optional                      | Optional                      |
| Back Up Battery (4-6hrs)            | Optional                      | Optional                      | Optional                      |
| Vertical adjustment                 | 100CM                         | 100CM                         | 100CM                         |
| Internal/External Sony Camera(20X)  | Optional                      | Optional                      | Optional                      |
| Monitor With Extra Arm(22 Inches)   | Optional                      | Optional                      | Optional                      |
| Ceiling height range                | 3 – 4 m                       | 3 – 4 m                       | 3 – 4 m                       |

| MICARE PowerLED Model               | E700             | E500             |
|-------------------------------------|------------------|------------------|
| Voltage                             | 95~245V, 50/60HZ | 95~245V, 50/60HZ |
| Illuminance at distance of 1 m(LUX) | 60,000-160,000   | 40,000-140,000   |
| Brightness Adjustable               | 0-100%           | 0-100%           |
| Lamp Head Diameter                  | 700MM            | 500MM            |
| Quantity Of LEDs                    | 80PCS            | 48PCS            |
| Color Temperature Adjustable        | 3800-5500K       | 3800-5500K       |
| Color rendering index Ra            | 96               | 96               |
| Color rendering index R9(Red)       | 98               | 98               |
| Light Field Size Adjustable         | 150-330MM        | 120-280MM        |
| Total radiant flux density          | 364W/m2          | 364W/m2          |
| Endoscopy Mode                      | YES              | YES              |
| Endoscopy Mode LEDs                 | 8PCS             | 8PCS             |
| Illumination For Endo-Mode          | 10%              | 18%              |
| LED service life                    | 80,000hrs        | 80,000hrs        |
| Main Material                       | Aluminum         | Aluminum         |
| Rotating Angle Of Arm               | >540&deg;        | >540&deg;        |
| LED Bulb Power                      | 1w Each Pc       | 1w Each Pc       |
| Working distance                    | 0.7 – 1.5 m      | 0.7 – 1.5 m      |
| Operating element                   | Touch Control    | Touch Control    |
| Light head protection rating        | IP54+FireProof   | IP54+FireProof   |
| Depth of illumination L1+L2 at 20%  | 1400MM           | 1200MM           |
| Depth of illumination L1+L2 at 60%  | 750MM            | 650MM            |
| Temperature at Surgeon's Head       | 1°C              | 1°C              |
| LCD Touch Screen                    | Optional         | Optional         |
| Back Up Battery (4-6hrs)            | Optional         | Optional         |
| Vertical adjustment                 | 100CM            | 100CM            |
| Internal/External Sony Camera(10X)  | Optional         | Optional         |
| Monitor With Extra Arm(21 Inches)   | Optional         | Optional         |
| Ceiling height range                | 3 – 4 m          | 3 – 4 m          |





## SIMPLY INGENUOUS

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