

MOBILE FLOOR-STANDING LED SURGICAL LIGHT · 160,000 LUX · 72 LEDS · 4-HOUR BATTERY

PCB-MSL-70



ABOUT THE PCB-MSL-70

Surgical-grade illumination on wheels.

The **PCB-MSL-70 Mobile Floor-Standing LED Surgical Light** brings full operating-room illumination to spaces where ceiling mounting is impractical — low-ceiling ORs, ambulatory surgery centers, field hospitals or any facility that needs portable major-surgery lighting.

Built around **72 high-output LEDs** with proprietary lenses delivering **60,000 – 160,000 lux** with multiple beam overlap for a uniform, shadow-free light spot. The high illuminance compensates for the 90% light decay at the surgical field bottom, ensuring stable, reliable lighting for major surgery up to **1,400 mm depth**.

The integrated **battery backup delivers 4 hours** of continuous use during power outages. Fast-charging Li-ion battery with sea-and-land transportation certification — safe and reliable for global shipping. The mobile floor stand with locking casters lets the team reposition the light anywhere in the OR.

SPECIFICATIONS

Built to major-surgery standards.

MODEL

PCB-MSL-70

CONFIGURATION

Single-head · floor standing · mobile

ILLUMINATION INTENSITY

**60,000 – 160,000 lux
(adjustable)**

COLOR TEMPERATURE

3,500 – 5,000 K (adjustable)

COLOR RENDERING (RA)

85 – 95

HEAT TO LIGHT RATIO

< 3.6 mW/m²·lux

ILLUMINATION DEPTH

> 1,400 mm

LIGHT SPOT DIAMETER

120 – 260 mm (adjustable)

LED QUANTITY

72 LEDs

LED SERVICE LIFE

> 50,000 hours

MOUNT TYPE

Mobile floor stand · 5 casters

SPRING ARM

Light-weight · flexible articulation

HANDLE

Sterile center handle

CONTROL

LCD touchscreen on yoke

TOUCH PARAMETERS

LUX / CCT / CRI / on-off

ENDOSCOPE MODE

Special low-intensity for MIS

LENS DESIGN

Proprietary · one lens per LED · uniform spot

BATTERY BACKUP

Li-ion · 4 hours · fast charging

BATTERY CERTIFICATION

Sea + land transport approved

POWER

Mains AC · battery backup

CERTIFICATIONS

CE · ISO 9001 · ISO 13485

KEY FEATURES

Engineered for any operating room.



4-HOUR BATTERY BACKUP

Built-in Li-ion battery delivers **4 hours of continuous operation** during mains failure. Fast-charging design with sea-and-land transportation certification — safe for global shipping and reliable in any clinical environment.



LCD TOUCHSCREEN CONTROL

User-friendly LCD touchscreen panel mounted on the yoke. Synchronously adjust **LUX, CCT and CRI** in real time. On/off and endoscope mode with one tap.



MOBILE FLOOR STAND

Stable 5-caster base with locking wheels for stable positioning during procedures. Light-weight articulated arm allows flexible angling. **Perfect for low-ceiling ORs** where ceiling mounting is not possible.



160,000 LUX · MAJOR SURGERY READY

Up to 160,000 lux output compensates for the 90% light decay at the surgical field bottom. **1,400 mm illumination depth** meets the needs of every major surgical procedure — including abdominal, cardiothoracic and orthopedics.

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