

SINGLE-HEAD CEILING LED SURGICAL LIGHT · 150,000 LUX · 72 LEDs · LCD TOUCH

PCB-SCM-20



ABOUT THE PCB-SCM-20

Single-head ceiling illumination for the modern OR.

The **PCB-SCM-20 Single-Head Ceiling LED Surgical Light** delivers full operating-room illumination from one ceiling-mounted dome. **72 high-output LEDs** with proprietary multi-point optics produce a **60,000 – 150,000 lux** adjustable spot with illumination depth above **1,400 mm** — the standard for general surgery, gynecology, ophthalmic and procedure rooms.

Color temperature is adjustable from **3,500 to 5,000 K**, with color rendering index **Ra 85 – 97** for accurate tissue visualization. A **special endoscope mode** drops intensity for minimally invasive procedures with one tap.

An integrated **LCD touchscreen control panel** on the yoke synchronously adjusts LUX, CCT and CRI.

Available options: wall control panel, wireless remote and built-in battery backup — the single-head solution for procedure rooms and ambulatory surgery.

SPECIFICATIONS

Built to operating-room standards.

MODEL

PCB-SCM-20

CONFIGURATION

Single-head · ceiling mount

ILLUMINATION INTENSITY

**60,000 – 150,000 lux
(adjustable)**

COLOR TEMPERATURE

3,500 – 5,000 K (adjustable)

COLOR RENDERING (RA)

85 – 97

HEAT TO LIGHT RATIO

< 3.6 mW/m²·lux

ILLUMINATION DEPTH

> 1,400 mm

LIGHT SPOT DIAMETER

120 – 300 mm (adjustable)

LED QUANTITY

72 LEDs

LED SERVICE LIFE

> 60,000 hours

MOUNT TYPE

Ceiling · single head

SPRING ARM

Independent · light-weight

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**

POWER

Mains AC

OPTIONAL

**Wall control · wireless remote ·
battery backup**

CERTIFICATIONS

CE · ISO 9001 · ISO 13485

KEY FEATURES

Engineered for every operating room.



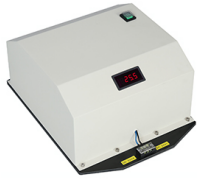
72 LEDs · PROPRIETARY LENSES

Each LED has its own custom-developed lens. Overlapping beams from 72 individual lenses create a uniform light spot with significantly reduced shadow rate — clinically superior to off-the-shelf lenses.



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.



BATTERY BACKUP (OPTIONAL)

Built-in battery backup ensures continuous illumination during mains-power failure. Critical for procedure safety. **Available as factory option.**



WIRELESS REMOTE (OPTIONAL)

Wireless remote control for sterile contactless operation. Adjust LUX, CCT, CRI and switch endoscope mode from across the OR — ideal for scrubbed personnel.

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