

WALL-MOUNT LED SURGICAL LIGHT · 150,000 LUX · 72 LEDS · LCD TOUCH

PCB-WML-20



ABOUT THE PCB-WML-20

Surgical-grade illumination, wall-mounted.

The **PCB-WML-20 Wall-Mount LED Surgical Light** brings full operating-room illumination to spaces where ceiling mounting is impractical — low-floor ORs, small procedure rooms, ambulatory surgery centers and remote facilities.

Built around **72 high-output LEDs** with proprietary lenses (each LED has its own lens) delivering **60,000 – 150,000 lux** with multiple beam overlap for a uniform, shadow-free light spot. Color temperature is adjustable from **3,500 to 5,000 K**, with color rendering index **Ra 85 – 97** for accurate tissue visualization.

An **independent spring + rotating arm** assembly — structurally identical to the ceiling version — provides effortless 360° positioning. The **LCD touchscreen control panel** mounted on the yoke synchronizes lux, CCT and CRI in real time.

SPECIFICATIONS

Built to operating-room standards.

MODEL

PCB-WML-20

CONFIGURATION

Single-head · wall 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

Wall-mounted

SPRING ARM

**Independent · ONDAL imported
or PCB-improved**

ARTICULATING ARM

Rotating yoke · 360° positioning

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

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 at one tap.



INDEPENDENT SPRING ARM

Structurally identical to ceiling-mount version. Choice of **ONDAL imported spring arm** (industry gold standard) or **PCB-improved arm** with upgraded balance.



DESIGNED FOR COMPACT ORS

Engineered for operating rooms with low floor height, small footprint or where ceiling mounting is not possible. Ambulatory surgery centers, procedure rooms, ED bays, field hospitals.

PCB Medical · Kentucky (USA)

Industrial Park Av, Suite 30
Louisville, Kentucky 40041 · Tel. (502) 333-0006

www.pcbmedical.net

Asia Headquarters

PCB Medical · China
2103 Citic Tower · Changsha