

PREMIUM WALL-MOUNTED LED SURGICAL LIGHT

PCB-SCM-500

Premium wall-mounted single-head LED — up to 150,000 lux, 80 LEDs in 4-cluster head, LCD touch control, articulating arm. Top of the WCM family.

Premium OR illumination, **wall-mounted** with multi-angle 4-cluster head.

Eighty high-output LEDs in a 4-cluster head deliver 60,000–150,000 lux at the working distance — peak performance for general OR work in a wall-mounted form factor. The 4-cluster design distributes light from multiple angles, reducing shadows when hands and instruments enter the field. CRI 85–95 with adjustable 3500–5000 K. LCD touch control.



150,000 lux

PEAK ILLUMINATION

3500–5000 K

COLOR TEMPERATURE

80 LEDs

4-CLUSTER HEAD

50,000 hr

LED LIFE

— Key features

 PCB-WCM-160 54-LED head detail



4-CLUSTER LED HEAD

Up to 120,000 lux of true-color light

- 80 high-output LEDs in 4-cluster head
- 40,000 – 120,000 lux at the working distance
- Color rendering index 85–95 (Ra)
- Adjustable color temperature 3500–5000 K
- Light spot 120–350 mm · depth > 700 mm · shadowless 78%

LCD TOUCH + ARTICULATING ARM

One-touch control, wall-mounted convenience

- LCD touch panel — LUX / CCT / CRI control
- Multi-segment articulating arm
- Heavy-duty wall mount base
- Sterile center handle for in-field positioning
- Heat-to-light < 3.6 mW/m²-lux

— Why PCB-WCM-160

120,000 lux peak

40,000–120,000 lux range covers every phase of surgery — from microsurgery to deep cavity.

4-cluster head

80 LEDs in 4 sub-clusters illuminate the field from multiple angles. Natural shadow reduction.

Cold light · 54 W

Heat-to-light < 3.6 mW/m²-lux. Only 54 W. No surgeon discomfort, no field heating.

— Surgical specialties

General Surgery

Orthopedic

OB-GYN

Urology

ENT

Plastic Surgery

Retrofit

— Specifications

Illumination intensity **60,000 – 150,000 lux**

Color temperature **3500 – 5000 K (adjustable)**

Color rendering (Ra) **85 – 95**

Heat-to-light ratio **< 3.6 mW/m²-lux**

Illumination depth **> 700 mm**

Light spot diameter **120 – 350 mm**

Shadowless rate **78%**

LED quantity **80 (4-cluster)**

LED service life	> 50,000 hours	Power consumption	54 W
Mount type	Wall-mounted, single head	Arm type	Multi-segment articulating
Control	LCD touch panel	Optional	Wireless remote · backup battery
Packaging	1520 × 700 × 600 mm · 70/45 kg	Certifications	CE Approved

Certified quality. CE-marked according to the EU Medical Device Regulation (MDR 2017/745).

CE

Headquarters

PCB International
Miami · USA

pcbinternational.net

Distribution

Global · CE Approved

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