

CEILING-MOUNTED LED SURGICAL LIGHT

PCB-SCM-500

Single-head ceiling surgical light — up to 120,000 lux, 54 high-output LEDs, LCD touch control, German Ondal spring arms, 50,000-hour LED life.

Operating-room performance in a **single-head ceiling light** — true-color, deep-field, cold.

Fifty-four individually-collimated high-output LEDs deliver 40,000–120,000 lux with adjustable 3500–5000 K color temperature and CRI 85–95 for true tissue color rendering. German Ondal spring-balanced arms hold the head in any position without drift. LCD touch panel on the yoke gives one-touch intensity, color temperature, and field-size control.



120,000 lux

PEAK ILLUMINATION

3500–5000 K

COLOR TEMPERATURE

54 LEDs

HIGH-OUTPUT

50,000 hr

LED LIFE

— Key features



54-LED HEAD

Up to 120,000 lux of true-color light

- 54 high-output LEDs · 50,000 hr life
- 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 + ONDAL ARMS

Effortless positioning, instant adjustment

- German Ondal spring arms · aluminum main arm
- LCD touch screen on the yoke
- Sterile center handle for in-field positioning
- Optional: wireless hand remote
- Optional: integrated backup battery

— Why PCB-SCM-500

120,000 lux peak

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

Ondal spring arms

German-engineered spring-balanced arms hold the head without drift. Full reach across the OR table.

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 Surgery

Cardiothoracic

Neurosurgery

Gynecology & Obstetrics

Urology

ENT

— Specifications

Illumination intensity

40,000 – 120,000 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	54 high-output
LED service life	> 50,000 hours	Power consumption	54 W
Mount type	Ceiling, single head	Spring arms	Ondal · aluminum main arm
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**

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Distribution

Global · CE Approved