

MOBILE LED EXAMINATION LIGHT · 50,000 LUX · 16 OSRAM LEDS · OPTIONAL BATTERY BACK-UP

PCB-MEL-10



ABOUT THE PCB-MEL-10

Examination-grade illumination, anywhere it's needed.

The **PCB-MEL-10 Mobile LED Medical Examination Light** is a portable, high-performance exam light for outpatient clinics, ENT, dental, gynecology, dermatology, medical cosmetic and veterinary use. **16 OSRAM imported LEDs** deliver up to 50,000 lux of clean, color-true light wherever the patient is.

The **optional battery back-up system** makes the MEL-10 reliable in areas with unstable voltage, in field hospitals, or in emergency relief settings — anywhere infrastructure is limited. Premium internationally-branded battery ensures safe, stable operation.

The internal spring-arm structure is engineered for **single-finger adjustment**: precise positioning with no drift, no gravity sag, no fatigue. Detachable disinfection handle (two included) and a side-mounted dimming button with 10-step brightness round out a tool built for daily clinical use.

SPECIFICATIONS

Built around **OSRAM LEDs** and **one-finger ergonomics**.

MODEL

PCB-MEL-10

CONFIGURATION

Single-head · floor standing · mobile

ILLUMINATION INTENSITY

40,000 – 50,000 lux

COLOR TEMPERATURE

4,000 ± 500 K

COLOR RENDERING (RA)

≥ 90

HEAT TO LIGHT RATIO

< 3.6 mW/m²·lux

ILLUMINATION DEPTH

> 500 mm

LIGHT SPOT DIAMETER

150 mm

LED QUANTITY

16 (OSRAM, Germany)

LED SERVICE LIFE

> 50,000 hours

LAMP HOLDER

ABS material · light-weight

HANDLE

Detachable disinfection handle (×2)

DIMMING

10-step side button · increase / decrease / on-off

SPRING ARM

One-finger adjustment · no drift · no sag

CASTERS

4 wheels · 2 universal front · 2 lockable back

CASTER FEATURES

Anti-vibration · decompression · wear-resistant

BATTERY (OPTIONAL)

Internationally branded · safe + stable

POWER

Mains AC · optional battery back-up

CERTIFICATIONS

CE · ISO 9001 · ISO 13485

KEY FEATURES

Engineered for **clinics, vets and field use**.



16 OSRAM LEDs · IMPORTED FROM GERMANY

Premium **Germany-imported OSRAM bulbs** deliver up to **50,000 lux** with CRI ≥ 90 for accurate tissue color and detail. LED service life exceeds **50,000 hours** — over a decade of clinical use.



OPTIONAL BATTERY BACK-UP

In areas with unstable voltage, in the field, or in emergency relief settings, the optional battery system keeps the light running. **Internationally-branded battery** for safety and stability.



ONE-FINGER SPRING ARM

Innovative internal spring-arm design lets you reposition the lamp head **with a single finger**. No sag from gravity, no drift after positioning — reducing operator fatigue across a long clinical day.



4 ANTI-VIBRATION CASTERS

Two universal front casters for easy steering, two lockable rear castors with brakes for stable positioning. Anti-vibration, decompression and wear-resistant for years of mobility.

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