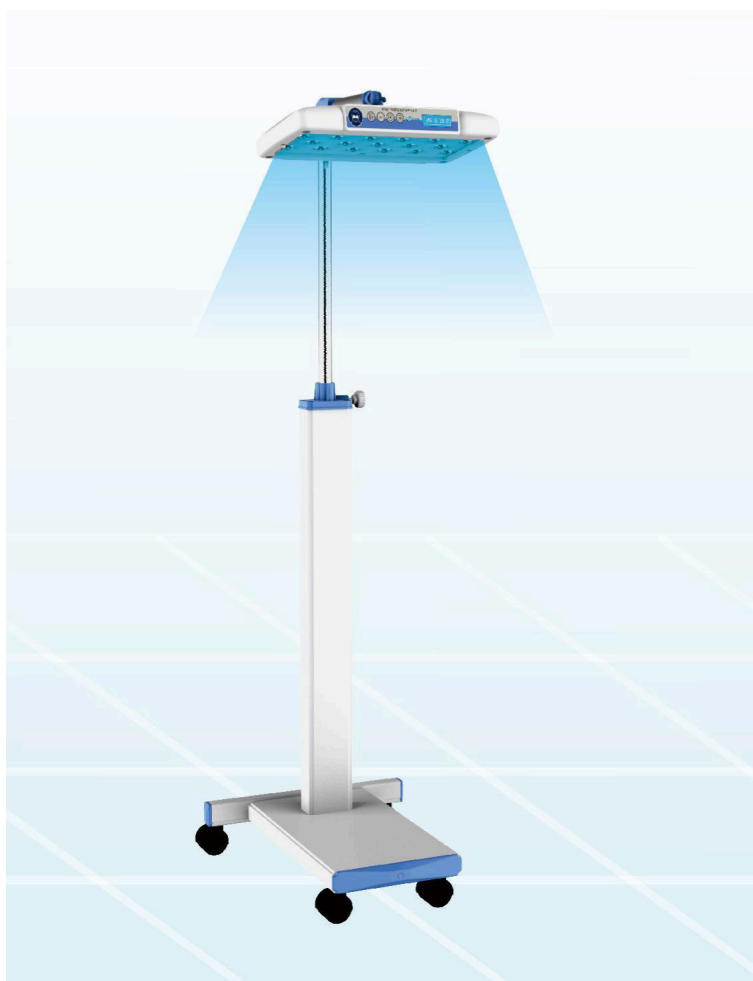


UNIDADE DE FOTOTERAPIA NEONATAL · LED · 3 INTENSIDADES
AJUSTÁVEIS · SILENCIOSA SEM VENTILADOR · CE / ISO 13485

PCB-FL-01



SOBRE O PCB-FL-01

Fototerapia LED para tratamento seguro e silencioso de icterícia.

The **PCB-FL-01 Infant Phototherapy Unit** is a mobile LED phototherapy lamp designed for the treatment of neonatal jaundice (hyperbilirubinemia). It uses a bank of **17 blue LED bulbs (420–490 nm)** at the clinically effective wavelength, with a **50,000-hour service life** — replacing traditional fluorescent tubes that lose intensity quickly and need frequent service.

Irradiance intensity is adjustable in **3 grades (Low / Medium / High)** so the clinical team can match the dose to the bilirubin level. A built-in **LCD shows therapy time + integral time separately**, with **both count-up and count-down timers** for precise documentation and dose control.

The radiant head pivots **0–180°** and the column extends from **850 mm to 1640 mm**, so the unit pairs with any infant incubator, radiant warmer or baby cradle. **Fanless design** (no noise) keeps the newborn calm during treatment. Four braked castors on an aluminum-alloy + steel base keep the unit mobile and stable.

ESPECIFICAÇÕES

Construída em padrões neonatais.

MODEL

PCB-FL-01

CONFIGURAÇÃO

**Unidade LED de
fototerapia móvel •
suporte de piso**

ELEMENTOS RADIANTES

**17 × Lâmpadas LED
azuis**

COMPRIMENTO DE
ONDA

420 – 490 nm

VIDA ÚTIL LED

50,000 hours

GRAUS DE INTENSIDADE

**3 níveis ajustáveis:
Baixo / Médio /
Alto**

IRRADIÂNCIA TOTAL
(ALTO)

**4,500 $\mu\text{W}/\text{cm}^2 \cdot 75$
 $\mu\text{W}/\text{cm}^2/\text{nm}$**

IRRADIÂNCIA TOTAL
(MÉDIO)

**3,200 $\mu\text{W}/\text{cm}^2 \cdot 53$
 $\mu\text{W}/\text{cm}^2/\text{nm}$**

IRRADIÂNCIA TOTAL
(BAIXO)

**1,450 $\mu\text{W}/\text{cm}^2 \cdot 24$
 $\mu\text{W}/\text{cm}^2/\text{nm}$**

ÁREA SUPERFICIAL
EFETIVA

**400 × 300 mm
(medida a 360 mm)**

TAMANHO DO
CABEÇOTE

380 × 220 mm

FAIXA DE ALTURA
AJUSTÁVEL

**850 mm – 1,640
mm**

ÂNGULO DO CABEÇOTE

0 – 180°

TELA

**LCD · tempo de
terapia + tempo
integral
(separados)**

MODOS DE TIMER

**Cuenta crescente +
Cuenta regressiva**

FAIXA TIMER
REGRESSIVO

30 min – 48 h

FAIXA TEMPO INTEGRAL

0 – 99,999.9 h

PRECISÃO DE TEMPO

1 min / 12 h

NÍVEL DE RUÍDO

**Sem ventilador ·
operação silenciosa**

BASE

**Alumínio + aço · 4
rodízios com freio**

ALIMENTAÇÃO

**AC 110 – 240 V · 50
/ 60 Hz**

POTÊNCIA

60 VA

TEMPERATURA
OPERACIONAL

+18 °C to +30 °C

UMIDADE
OPERACIONAL

30 – 75 %

PRESSÃO OPERACIONAL

700 – 1060 hPa

TEMPERATURA DE
ARMAZENAMENTO

–10 °C to +55 °C

UMIDADE DE
ARMAZENAMENTO

≤ 95 %

PRESSÃO
ARMAZENAMENTO

500 – 1060 hPa

TAMANHO EMBALAGEM

**94 × 58 × 18 cm ·
N.W. 10 kg · G.W.
12.6 kg**

CERTIFICAÇÕES

**CE 0197 · ISO
13485:2016 · TÜV
Rheinland**

RECURSOS PRINCIPAIS

Projetada para tratamento de icterícia neonatal.

17 × LÂMPADAS LED AZUIS

Bank of 17 high-intensity blue LEDs at **420–490 nm** — the clinically optimal wavelength for converting bilirubin. **50,000-hour** service life vs only ~2,000 hours for traditional fluorescent tubes.

INTENSIDADE 3 NÍVEIS (BAIXO / MÉDIO / ALTO)

Adjustable irradiance from **1,450 to 4,500 $\mu\text{W}/\text{cm}^2$** — match the dose to the clinical protocol and bilirubin level. High mode delivers intensive phototherapy.

DISTRIBUIÇÃO UNIFORME DE LUZ

Uniform high-intensity light across the effective surface area (**400 × 300 mm at 360 mm**) — every part of the newborn's exposed skin receives consistent dose.

TELA LCD + TIMERS DUPLOS

LCD shows therapy time and integral time **separately**. **Count-up** for documentation, **count-down** (30 min – 48 h) for protocol-driven dosing. Faixa tempo integral up to 99,999 h.

SEM VENTILADOR • OPERAÇÃO SILENCIOSA

LED design produces minimal heat — no cooling fan needed. **Zero fan noise**, no air movement near the newborn, no infection-control concerns from fan blade dust.

CABEÇOTE + ALTURA AJUSTÁVEIS

Radiant head pivots **0–180°**, column adjusts from **850 to 1,640 mm** — pairs with any incubator, radiant warmer or baby cradle. Optimal positioning for every clinical setup.

BASE MÓVEL ESTÁVEL

Aluminum-alloy + steel support base with **4 castors with brake** — easy to move between rooms, locks securely in place during treatment.

LED DE LONGA DURAÇÃO

50,000-hour Vida útil LED means **5+ years of continuous use** at typical clinical duty cycles. Far lower lifecycle cost than fluorescent or halogen alternatives.

COMPATÍVEL COM

Combina com qualquer unidade de cuidado aberto ou fechado.

INCUBADORA NEONATAL

Position the radiant head above any closed incubator — PCB-INC-10 / 20 / 30 or any standard incubator. Adjustable height + angle.

BERÇO AQUECIDO RADIANTE

Pairs with open-care radiant warmers (PCB-IRW-10 / 20) for combined warming + phototherapy treatment.

BERÇO

Use over any newborn cradle, bassinet or nursery bed. Mobile design moves between cribs as needed.

BERÇÁRIO

Treat multiple newborns in the well-baby nursery — move the unit between cribs throughout the shift.

QUALIDADE CERTIFICADA

Fabricado sob ISO 13485:2016

The PCB-FL-01 is manufactured under **ISO 13485:2016 · TÜV Rheinland** certification, with **CE 0197** mark for the European market. Every unit passes a full safety + functional test before shipping, ensuring compliance with regulatory requirements in every market.

✓ CE 0197

✓ ISO 13485:2016

✓ TÜV Rheinland



Folheto do produto

Complete PCB-FL-01 data sheet in PDF, ready to print or send to your customer.

[Baixar folheto \(PDF\) ↓](#)

Formato PDF · Português

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