

COMEN



Focus on Therapy,  
Applicable to Various Settings

- **Ultra compact** — Lightweight and portable, taking up the least space.
- **Large screen** — 4.3-inch color touch screen, easy to observe and operate.
- **Ultra quiet** — Fanless design, noise free, ensuring a quiet and comfort environment.
- **Trolley design** — Convenient to move, seamless integration of different settings, including radiant warmer and baby cradle bed.
- **Quick-release structure** — The main unit can be quickly separated from the trolley and placed directly on the incubator hood.
- **Flexible adjustment** — Easy adjustment of height and angle.



# BL70

## Infant Phototherapy



Shenzhen Comen Medical Instruments Co., Ltd.

P/N: EN-BL70-4P-20200718-V1.0

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## High-intensity Phototherapy Efficient Jaundice Treatment

According to statistics, clinically 80% of pre-term and 60% of full-term infants are at risk of hyperbilirubinemia. BL70 Infant Phototherapy helps cure jaundice safely and efficiently with superior technology and high-performance phototherapy.



### Precise Treatment for Neonatal Jaundice

Equipped with an irradiance probe to accurately measure the irradiance value and ensures that the baby receives enough irradiance, achieving precise treatment.



#### Irradiance probe

After clarification using irradiance probe, phototherapy irradiance value of 5 levels can be displayed on the screen.

#### Precise positioning

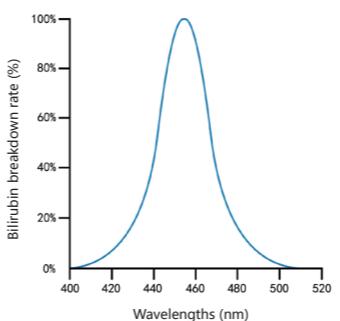
Using unique red light precise positioning, BL70 ensures correct position of the baby.

#### High-intensity irradiance

- Equipped with high-intensity LED cold light source, with less heat production, BL70 supports long-time treatment.
- With the maximal irradiance level of **63 $\mu$ W/cm<sup>2</sup>/nm**, BL70 enhances the bilirubin breakdown ability and shortens the treatment time.
- With five levels irradiance adjustment, BL70 allows treatment tailored to each patient's needs.

#### Optimal wavelength

The peak wavelength of the spectrum is **449 - 461 nm** and has been shown by the American Academy of Pediatrics (AAP) to be the most effective in reducing unconjugated bilirubin; it also does not contain near-UV wavelengths that are harmful to the skin. These made it very suitable for the treatment of neonatal jaundice.

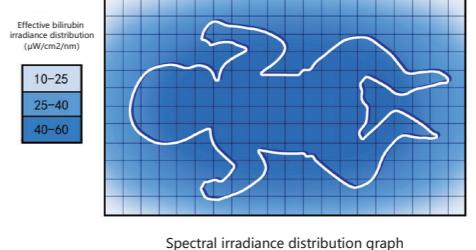


#### Longer service life

The service life is up to **50,000** hours, ensuring clinical usage and minimizing the cost for the end users.

#### Uniform irradiance distribution

Our innovative optical design ensures uniform irradiance distribution, minimizes spill light and exposure, with LED light evenly covering the total body surface of the neonates to ensure the effect of phototherapy.



Spectral irradiance distribution graph



#### Ward round assistance

When doctors round the wards, there is no need to open the cover, the condition of neonates can be checked through the screen in real time, reducing undesired blue light exposure.