

BL70

LED Phototherapy for safe and rapid treatment of hyperbilirubinemia in premature and full term babies



Phototherapy at the highest level

High intensity - optimal wavelength - even distribution

According to the relevant statistics, 80% of premature infants and 60% of full term infants are clinically affected by hyperbilirubinemia. With intensive phototherapy, the BL70 phototherapy system ensures that jaundice is treated safely, efficiently and gently.

High-intensity irradiance

- Equipped with a high-intensity LED cold light source with minimal heat generation, the BL70 phototherapy system is ideal for long-term treatment
- Due to the maximum irradiance of $63\mu\text{W} / \text{cm}^2 / \text{nm}$, the bilirubin degradation by the BL70 phototherapy system is increased and the treatment time is shortened
- With the five levels of irradiance adjustment, the BL70 phototherapy system enables treatment that is optimally tailored to the needs of the patient.

Longer service life

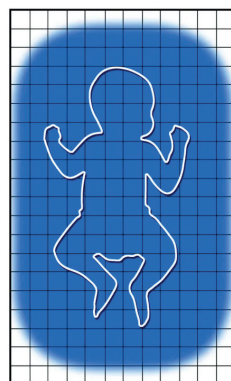
The lifespan of the LEDs in the BL70 phototherapy system is up to 50,000 hours, ensuring undisturbed clinical use and drastically reducing costs for the operator.

Optimal wavelength

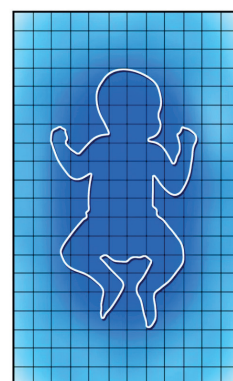
The BL70 phototherapy system offers a peak spectrum wavelength at 449 - 461 nm. This wavelength has been confirmed by the American Academy of Pediatrics (AAP) to be the most effective at reducing unconjugated bilirubin! All UV wavelengths close to the skin that are harmful to the skin have been removed from the spectrum! The BL70 phototherapy system is therefore ideal for treating newborn jaundice.

Uniform irradiance distribution

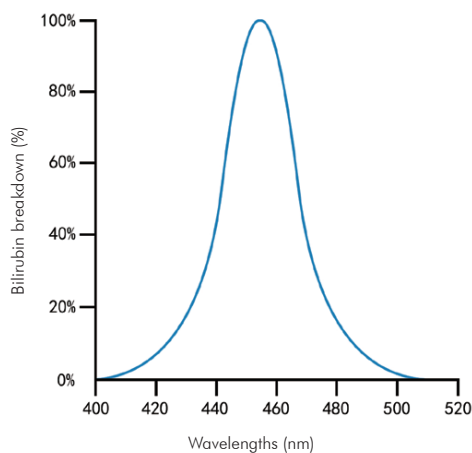
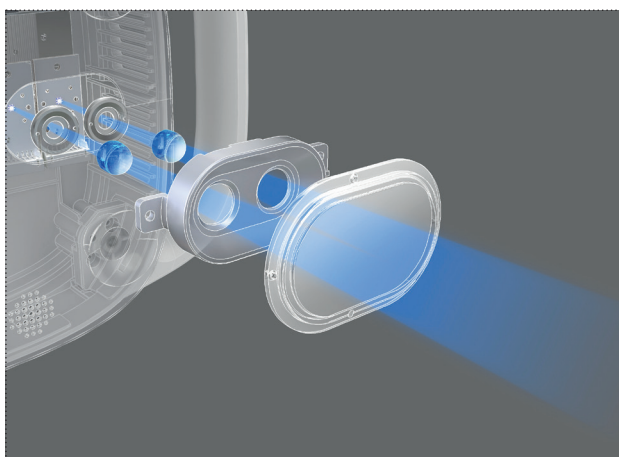
In addition to the factors of intensity and wavelength, the even distribution of light over the body surface is decisive for the success of the therapy. Thanks to its special optical design, the BL70 phototherapy system guarantees a minimization of scattered light and a concentrated high level of light coverage of the entire exposed body surface. This ensures intensive phototherapy.



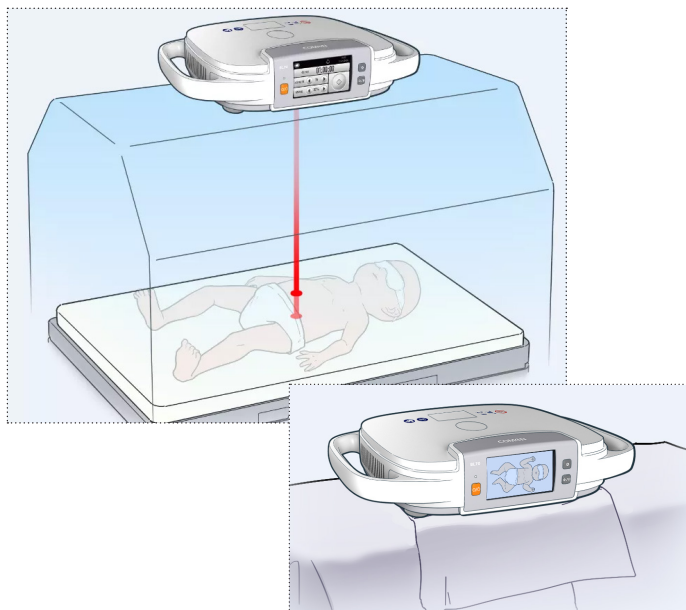
Concentrated, focused phototherapy with the BL70 phototherapy system



High scattered light losses with conventional LED phototherapy systems



Continuous assurance of treatment quality



Integrated sensor for measuring the irradiance

Make sure your little ones are getting the right intensity of phototherapy every time. The integrated irradiance sensor measures the intensity of the BL 70 phototherapy system by performing precise light measurements in the blue spectrum. Easily adjust the light intensity in 5 levels for optimal results.

Precise positioning of the phototherapy system

The unique red light precision positioning ensures that the infant is positioned in the center of the phototherapy.

Condition assessment made easy

In order to check the condition of the infant in need of phototherapy, it is not absolutely necessary to open the incubator cover. You can keep an eye on the patient on the screen and adjust the irradiance if necessary.

Our focus is on therapy - can be used multifunctionally

- Ultra kompakt – light & portable
- Large display - 4.3 inch color touch screen, easy to use - excellent visualization of the infant
- Ultra quiet - fanless design, noiseless - promotes developmental care right from the start
- Innovative Trolley design - if required at all: easy to move, problem-free mapping of a wide variety of applications (radiant heater & baby cradle)
 - Quick release - the system can be easily separated from the stand and placed securely on the incubator cover
 - Flexible settings - height and angle are easy to adjust



Ordering Information

Product Description	Ord.-No.:
Phototherapy lamp BL70	CO1070
Irradiance probe for phototherapy system BL70	CO1075
Trolley for BL70	CO1073
Slip-resistant feet for Phototherapy lamp BL70	CO1074

OBSTETRICS & INTEGRATIVE NEWBORN CARE
PREGNANCY & BREASTFEEDING
DEVELOPMENTAL CARE
NEONATOLOGY & PEDIATRIC INTENSIVE CARE
ANAESTHESIA & INTENSIVE CARE FOR ADULTS