



# NBB-IV

NEONATE BILIRUBIN  
PHOTOTHERAPY EQUIPMENT

Stock code [300314]





## Brief Introduction

- Intensive phototherapy equipment, large effective treatment area, meets AAP Guidelines for intensive phototherapy;
- Double sides LED phototherapy radiation;
- Bed temperature mode servo controlled by micro-computer;
- Baby temperature detection, LCD color display;
- Self-checking and multiple failure alarm;
- Timer for the phototherapy time;
- Height of upper light box is adjustable, angel 180° adjustable in horizontal position;
- Transparent curtain surrounded the upper light box to preserve thermal;
- Environment temperature detection.



## Standard Configuration

Upper light box (including operation screen), bed, mattress, guard, storage box and mobile stand.

## Specification

Power supply: AC220V-230V/50Hz or AC110-120V/50-60Hz, 150VA

Temperature control mode: bed temperature servo control mode

Bed temperature control range: 35°C-38°C

Skin temperature display range: 5°C-65°C

Accuracy of bed temperature control:  $\leq \pm 1.0^\circ\text{C}$

Accuracy of bed temperature display:  $\leq \pm 0.7^\circ\text{C}$

Bed temperature variability:  $\leq \pm 0.5^\circ\text{C}$

Heating up time: 2 hours (the mattress temperature rise from 23°C to 37°C )

Accuracy of skin temperature sensor:  $\leq \pm 0.2^\circ\text{C}$

Mattress temperature uniformity:  $\leq \pm 2.5^\circ\text{C}$

Working noise of bed surface:  $\leq 55\text{dB(A)}$

Failure alarm: over-temperature alarm, sensor alarm, temperature deviation alarm, motor fan failed alarm

### General bilirubin radiation of the effective surface area:

#### Upper phototherapy:

Irradiation distance cm	LED	Average value of general bilirubin radiation mW/cm <sup>2</sup>	General radiation mW/cm <sup>2</sup>	Maximum value of general bilirubin radiation mW/cm <sup>2</sup>
28	ALL ON	$\geq 3.1$	$\geq 3.5$	$\geq 4.5$
38	ALL ON	$\geq 2.6$	$\geq 3.0$	$\geq 4.2$
48	ALL ON	$\geq 2.2$	$\geq 2.8$	$\geq 3.9$

#### Nether phototherapy:

LED	Average value of general bilirubin radiation mW/cm <sup>2</sup>	General radiation mW/cm <sup>2</sup>	Maximum value of general bilirubin radiation mW/cm <sup>2</sup>
ALL ON	$\geq 2.3$	$\geq 2.8$	$\geq 4.0$

Uniformity of the total irradiance for bilirubin:  $\geq 0.4$

Dominant wavelength of blue light: 420-470nm

Light effective surface: 54cm × 26cm

Life time of LED: 20000hrs

## Operating request

Temperature range: 20°C-30°C

Relative humidity: 30%-75%RH

Atmospheric pressure: 700hPa ~ 1060hPa

## Product Packaging

Package: the whole unit is packed into one carton

Dimension: 970mm × 930mm × 1380mm

Gross Weight: 70Kg



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