Neonatal Jaundice Therapy Apparatus

Introduction:

The neonatal jaundice therapy apparatus is widely used in the clinical treatment of neonatal hyperbilirubinemia. Bilirubin is photosensitive; under the combined effect of light and oxygen, fat-soluble bilirubin is oxidized into water-soluble metabolites, which can be excreted from the body via bile or urine, thereby effectively reducing the concentration of serum unconjugated bilirubin.

Application:

This device is intended for the clinical treatment of neonatal jaundice. It is designed to be positioned beneath the neonate to deliver upward-directed phototherapy.

Technical Parameters:

Model	BHZ-003
Light Source	LED
Dominant Wavelength of Blue Light	425~475nm
LED Lifetime	50000h
Product Service Life	6 years
Timing Operating Modes	3H, 9H, 12H
Irradiance Levels	3-grade adjustable(H,M,L)
Effective Treatment Area	400*240mm
Total Bilirubin Phototherapy Irradiance	H: 1.8mW/cm² ± 0.5mW/cm² M: 1.5mW/cm² ± 0.5mW/cm² L: 1mW/cm² ± 0.5mW/cm²
Irradiance Uniformity (for Bilirubin Phototherapy)	≥0.4
Infrared Radiation	≤10mW/cm² within the effective irradiation area
Ultraviolet Radiation	≤0.00001mW/cm² within the effective irradiation area (180nm < λ ≤ 400nm)
Noise	≤45dB(A)
Power Supply	AC100~240V; 50/60Hz
External Size(W*D*H)	475*277*6mm
Packing Size(W*D*H)	600*315*70mm
Net Weight	1kg
Gross Weight	2kg