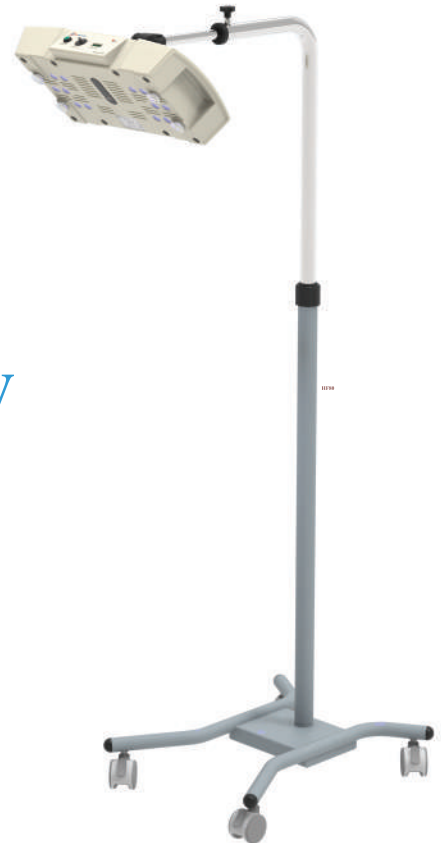




B!LUXY
Phototherapy Device

Bioluxy PT-10 **Infant LED Phototherapy**

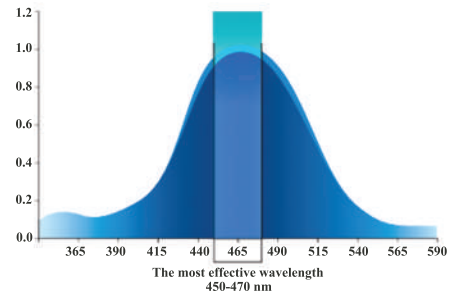


BioLuxy PT-10 is designed to provide the highest level of healthcare

About 60% of term newborns and 80% of premature infants worldwide are affected by jaundice, which can lead to irreversible brain damage. The BioLuxy system provide high intensity LED phototherapy to treat this dangerous conditions.

The Most Effective Wavelength: (460-490 nm)

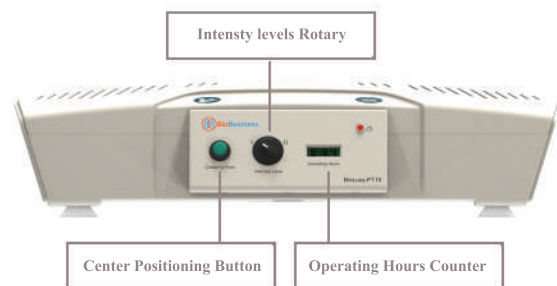
The most effective light in the blue region. (450-470 nm) for maximizing bilirubin breakdown.



Irradiance Levels & Center Positioning Button

With a high irradiance of $45 \mu\text{W}/\text{cm}^2/\text{nm}$ and low irradiance $> 20 \mu\text{W}/\text{cm}^2/\text{nm}$, BioLuxy allows treatment proportional with the need for the patient.

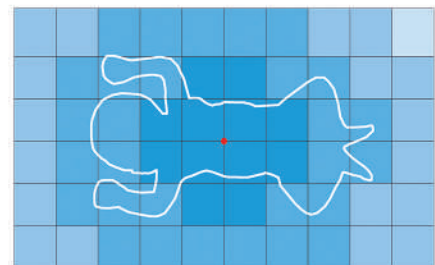
The red light lamp is used to locate the center point of blue light irradiation, ensuring that the baby receiving phototherapy is in the center of the irradiation area



Uniform Light Distribution

BioLuxy design ensure uniform light distribution to expose a large amount of infant's skin for treatment and maximizing bilirubin breakdown.

Key ($\mu\text{w}/\text{cm}^2/\text{nm}$)
10-20
20-30
30-40
40-50



Specifications

Technical Specification

Wavelength Range	Dominant Wave Length Range of 450-465 nm
Irradiance	High Irradiance Mode: > 45 $\mu\text{W}/\text{cm}^2/\text{nm}$ Low Irradiance Mode: > 22 $\mu\text{W}/\text{cm}^2/\text{nm}$
Number of Irradiance Intensity	2 Levels
Light Type	Blue-Light
Light Source	LED
Number of LEDs	12 LEDs
Light Source Safety	Thermal Protection
Working Hours For The LED Unit	50,000 Working Hours
Effective Working Area	60 X 30 cm, 35 cm From LED Assembly
Baby's Center Positioning	Red Laser LED
Working Hours Meter	LCD Displaying Working Hours
Alarms	Visual LED in Case of High Temperature, Hardware malfunction
Maximum Noise Level	22.4 dB (A)

Environmental operations

Ambient Temperature	+5° to +40° C
Humidity	15% to 95% RH Non-Condensing
Atmospheric Pressure	700 hpa-1060 hpa

Electrical Specifications

Power Supply	100-230 V 50-60 Hz
Power	60W

Physical specifications

LED Unit Dimensions	43X25X8 cm
LED Unit Tilt Angle	continuous 90°
Trolley Height	112 – 160 cm (Adjustable)
Trolley Base Dimensions	55 X 45 cm
LED Unit Weight	2 kg
Total Weight	11.5 kg



Regulatory standards

IEC 60601-1-2
IEC 60601-1
IEC 60601-2-50



Infant Care Solution



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