



Bilisphere 360 LED

Multidirectional Intensive Phototherapy Device





Novos presents the Bilisphere 360 LED, a reliable device offering high-quality treatment. This advanced phototherapy system provides multidirectional intensive light therapy, delivering exceptional results for severe jaundice cases.

Bilisphere 360 LED is the excellent solution for the treatment of high bilirubin levels that cause severe jaundice in newborns.

Treatment of jaundice is crucial for both preterm and term newborns with hyperbilirubinemia. Novos offers to clinicians multidirectional intensive phototherapy treatment using advanced super LED technology. The Bilisphere 360 LED provides the fastest total serum bilirubin breakdown, eliminating the need for the challenging and risky blood exchange procedure. Clinical studies show that the Bilisphere 360 LED can reduce bilirubin levels by up to 0.84 mg/dl per hour, a significant decline important for preventing encephalopathy in high-risk cases.

Developed under the leadership of Novos , the patented "ThermoElevation" and intelligent software system "Novosoft" make Bilisphere 360 LED the ideal environment for delicate newborns. Revolutionizing neonatal care, these technologies enhance the health and comfort of babies while providing ease of use for healthcare professionals. Achieve excellence in neonatal care with Bilisphere 360 LED!

Newborns should use majority of their energy for development in their first days of life. Temperature increase or decrease, loss of body water and stressful environment impedes their development. Bilisphere 360 LED aims to create an ideal intensive phototherapy environment for newborns. Novosoft controls silent fan groups for venting out the hot air generated by the heat emitted from electronical components and activates the ThermoElevation feature which elevates the upper part and disperse the heat, this guarantees acceptable cabin temperature levels for baby.





Easy Patient Monitoring With a Touch Screen

According to the newborn care guidelines, infant skin temperature should be measured during phototherapy treatment. Bilisphere 360 LED enables monitoring of baby's skin temperature continuously and clearly on LCD touch screen. Monitoring of treatment and lamp usage times on LCD touch screen allows clinicians to follow-up the treatment efficiently.

User Friendly Menu and Easy Operation

User friendly menu of Bilisphere 360 LED provides comfort to clinicians. During operation, it is easy to set all necessary parameters. Upper and lower lamps can be operated together or separately.



Less Effort for Clinicians

Treatment time of each patient is definitely shorter with Bilisphere 360 LED. Short treatment time means less effort for clinicians. Intensive phototherapy Bilisphere 360 LED offers baby mother contact with early discharges. Sliding out infant bed unit allows easy access to the infant. Instead of blood exchange, clinicians' choice is Bilisphere 360 LED! Red colored side windows protect other patients and clinicians from the blue light's side effect.





Easy to Clean

By using "Up" and "Down" buttons, clinicians will be much more comfortable with the cleaning and disinfection processes. Detachable bed components like side bars, baby cot with drain hole and hammock allow users to do easy cleaning.

Hammock change is an easy process with Bilisphere 360 LED's sliding out bed unit.

Thanks to the baby cot, leaks can be prevented from reaching the LED tubes.



Safety and Comfort for the Baby

The design of bed unit ensures the safety and comfort for newborns.

In order to maximize effective phototherapy area and blue light permeability Bilisphere 360 LED involves a special hammock inside.

In case of usage of a defective hammock, baby cot provides a safety layer for the newborn. Detachable side bars keeps the extremities of the newborn in the safe area.



Low Operating Cost

Bilisphere 360 LED uses LED tubes that have 50,000 hours of lifetime which is 10 times longer compared to fluorescent lamps. Long lamp lifetime reduces lamp replacement cost extremely. Super LED tubes have very low energy consumption.





Technical Specifications

Dimensions

Width	68.5 cm
Depth	81.5 cm
Height	146 cm–166 cm
Weight, approx.	66 kg
Hammock Dimensions	58 cm x 38 cm

Characteristics

Air Temp. Display	0°C – 51°C
Skin Temp. Display	0°C – 51°C
Noise Level	<55 dBA
Screen	5.1 inches monicolor LCD touch screen
Lamp Lifetime	50.000 hours
LED tubes quantity	16
Spectral Irradiance	>100 $\mu\text{W}/\text{cm}^2/\text{nm}$
Wavelength Interval	440 nm – 460 nm
Hammock Weight Limit	5 kg
IV Pole Weight Limit	2 kg
Monitor Tray Weight Limit	6kg
Supply Voltage	220 VAC, 1.2 A, 50 – 60 Hz

Enviromental Requirements

Operating Temperature Range	20 °C – 30 °C
Storage Temperature Range	(-20) °C – 60 °C
Operating Humidity Range	5 – 95 %RH, non-condensing
Storage Humidity Range	5 – 95 %RH, non-condensing

Alarms

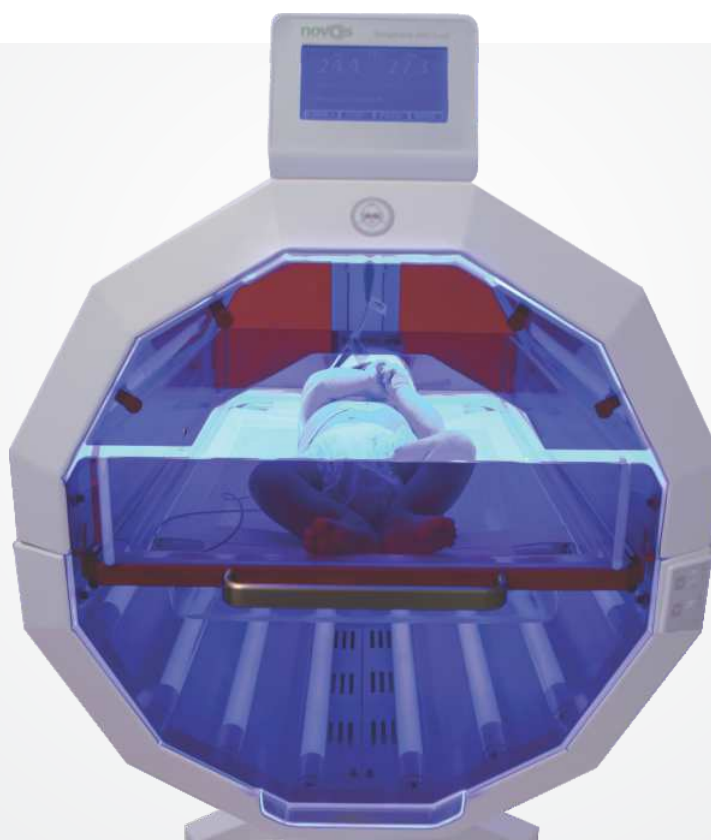
High skin temp. Alarm
Low skin temp. Alarm
High air temp alarm
Low air temp alarm
Skin probe disconnection
Lamp usage time

Standard Accessories

IV pole
Monitor Tray
Skin Probe
Air Probe
2 pcs Hammock
Eye Protection Mask Small
Eye Protection Mask Medium
Eye Protection Mask Large
4 Wheels with Brakes

Spare Parts & Consumables

Hammock
Eye Protection Mask Small
Eye Protection Mask Medium
Eye Protection Mask Large
16 pcs. LED Tubes
Air Probe
Skin Probe



We Save your Precious

Proven Quality and 100% customer satisfaction.

Having a very strict quality policy brought us 100% customer satisfaction. Novos will continue to design and manufacture high quality products for **neonatal** care ; all you have to do is just focusing on your **precious**.

Novos Medical Systems reserves the right to make changes without notice in design, specifications and models.

The Quality Management System at Novos Medical Systems is certified according to ISO 13485 and products certified in accordance with Medical Device Directive (93/42/EEC)

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