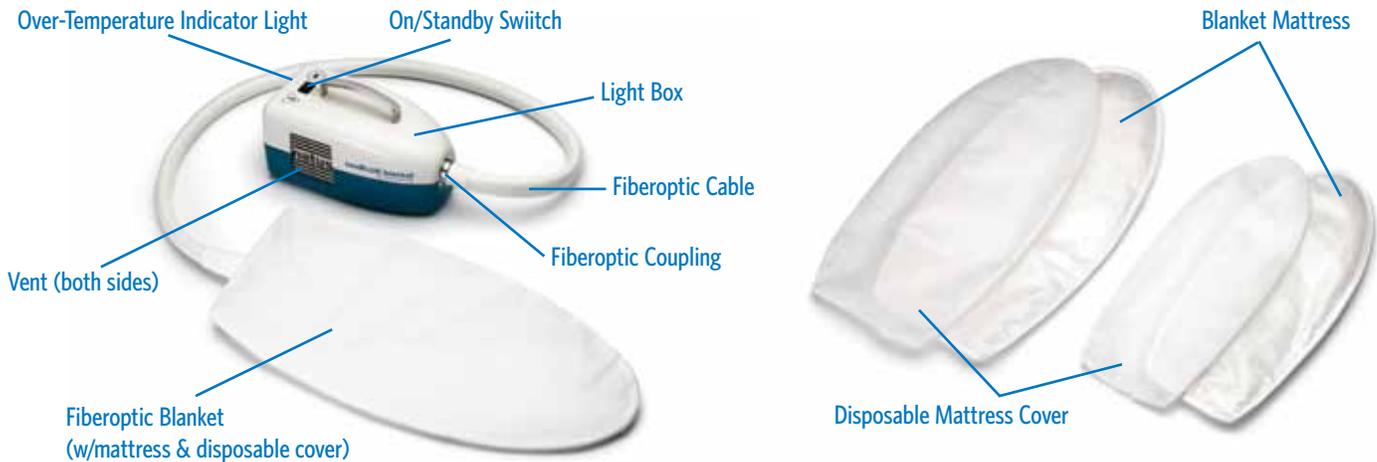


neoBLUE BLANKET LED PHOTOTHERAPY OVERVIEW

The neoBLUE blanket LED Phototherapy System consists of a light box, fiberoptic blanket with cable, blanket mattress, disposable mattress covers, and power supply. The neoBLUE blanket device delivers a narrow band of high-intensity blue light via a single blue light emitting diode (LED) to provide treatment for neonatal hyperbilirubinemia. The blue LED emits light in the range of 400 - 550 nm, (peak wavelength 450 - 475 nm). This range corresponds to the spectral absorption of light by bilirubin, and is thus considered to be the most effective for the degradation of bilirubin. The neoBLUE blanket device provides phototherapy underneath the infant and can be used in a bassinet, open bed, radiant warmer, incubator, or while holding the infant.



Note: The neoBLUE blanket device comes with a large or small size blanket.

PREPARING THE neoBLUE BLANKET LED PHOTOTHERAPY SYSTEM FOR USE

- 1. Place the neoBLUE fiberoptic blanket with mattress in a bassinet, open bed, warming table or incubator.**
- 2. Position the neoBLUE blanket light box so that the air vents have unobstructed air movement and insert fiberoptic cable into fiberoptic coupling.**

Warning! To avoid overheating the light box, check that the air vents are not covered with blankets or clothing or positioned against obstructing surfaces.*

Note: If using an incubator, position fiberoptic cable through one of the incubator ports then insert into light box located outside the incubator.

Note: The light box may be placed on a flat surface or mounted to a pole using optional hardware.

- 3. Insert power supply into rear of light box.** The power cord should be routed to safely exit the patient area and plugged into outlet.
- 4. Apply disposable mattress cover to blanket mattress.**

Note: Mattress comes already installed over fiberoptic blanket.

- 5. Turn on the neoBLUE blanket device by moving the power switch to the ON (|) position.**
- 6. Measure the light intensity of the neoBLUE blanket device.** It is recommended that the intensity of the light be checked before each use, and at least every six months. Place the photometer in center of mattress, on top of disposable cover to take measurement. The neoBLUE blanket is calibrated at the factory with the neoBLUE Radiometer to be at high intensity: 30-35 $\mu\text{W}/\text{cm}^2/\text{nm}$.

ADMINISTERING PHOTOTHERAPY TREATMENT

1. Cover the infant's eyes with protective eye shields prior to initiating phototherapy.

Biliband® Eye Protectors

Sizes: Micro (P/N 900644), Premature (P/N 900643), Regular (P/N 900642)

Note: During periods when the infant is being held and positioned so that their eyes cannot be exposed to the light, protective eye shields can be removed.



2. Place the infant (unclothed) on top of the neoBLUE blanket covered mattress. The infant may be swaddled or covered with a blanket for warmth during phototherapy.



Warning! To avoid any entanglement, always place the infant on the mattress with the head opposite the end where the fiberoptic cable is attached.

3. Turn on the neoBLUE blanket LED Phototherapy System by moving the power switch to the ON (|) position.

Warning! Monitor infants regularly during treatment per your institution's procedures.*

Warning! Some individuals are sensitive to blue light, so you may need to turn off the neoBLUE blanket LED Phototherapy System while attending to the infant.*

OPTIONS: Use with patient enclosures such as bassinets, radiant warmers, and incubators; or while holding the infant. If additional surface area coverage is required, neoBLUE overhead lights may be used in conjunction with the neoBLUE blanket device. Hardware for pole-mounting applications is also available.



*For a complete list of warnings/cautions and additional information, please refer to the neoBLUE blanket user manual. For service information, please refer to your service manual or contact Natus Medical Technical Service, or your authorized service representative.

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