

QUICK GUIDE

The neoBLUE LED Phototherapy System is a floor-standing, mobile phototherapy light that delivers a narrow band of high-intensity blue light via blue light emitting diodes (LEDs) to provide treatment for neonatal hyperbilirubinemia in the hospital setting.

OPERATING INSTRUCTIONS

1. Check intensity of the light using a radiometer per your institution's procedures (see "Measuring Intensity" below).
2. Prepare infant. Infant may lie in an open crib, a bassinet, an incubator, or under a radiant warmer.
3. Shield infant's eyes with protective eye shields designed for use during phototherapy.
4. Position light over infant.
5. Switch on power.
6. Press the target illumination switch to center the light over the infant. Tilt or position the light enclosure as desired.
7. Select High or Low intensity setting, as appropriate for the patient.
8. Monitor the patient during treatment.
9. When finished, switch power to stand-by and remove light from the therapy area.



Biliband® Eye Protectors
Available Sizes:
Micro (PN 900644)
Premature (PN 900643)
Regular (PN 900642)



MEASURING INTENSITY

The light output was factory calibrated with the neoBLUE Radiometer to provide an initial intensity of $35 \pm 3.5 \mu\text{W}/\text{cm}^2/\text{nm}$ at the high setting and $15 \pm 2 \mu\text{W}/\text{cm}^2/\text{nm}$ at the low setting at a distance of 12 inches (30.5 cm) from the light enclosure to the baby. This measurement is taken at the central area of the effective surface area for phototherapy. The intensity of the light is inversely related to the distance from the light source to the baby. The light output can be adjusted by a biomedical engineer using the two potentiometers (located at the side of the light enclosure) to accommodate different distances.

If serviced or adjusted, record your intensity settings below:

Note: This neoBLUE device has been adjusted to read the following light intensity levels at the following distances:

High			_____ $\mu\text{W}/\text{cm}^2/\text{nm}$ at _____ cm or in
Low			_____ $\mu\text{W}/\text{cm}^2/\text{nm}$ at _____ cm or in



neoBLUE Radiometer



Natus Neoblu Led Phototherapy Manual

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Medicines and Healthcare products
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