

neoBLUE[®] compact

LED Phototherapy

Quick Guide



natus.

The neoBLUE compact LED Phototherapy System is intended for the treatment of neonatal hyperbilirubinemia. The light can be used for infants in a bassinet, incubator, open bed, or radiant warmer.


Intensity Settings




The intensity of the neoBLUE compact light was factory calibrated to deliver **35 $\mu\text{W}/\text{cm}^2/\text{nm}$** at the **High** setting and **15 $\mu\text{W}/\text{cm}^2/\text{nm}$** at the **Low** setting at a distance of **35 cm** (13.75 in) from the baby.

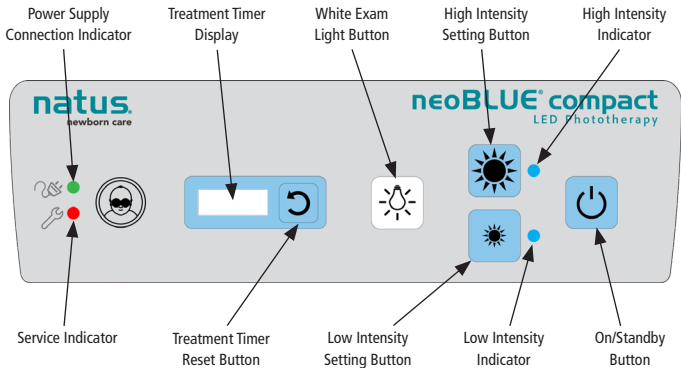
If adjusted, record your intensity settings below:

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






Panel Controls






1. **Check intensity.** Check the intensity of the light using a radiometer per your institution's procedures.
2. **Shield infant's eyes** with protective eye shields designed for use during phototherapy.
3. **Position light over infant.** The light can be placed on top of an incubator, or used with the arm and roll stand for positioning the light with a bassinet, open bed, radiant warmer or incubator.
4. **Turn on blue treatment light.** Press  On/Stand-by button on the control panel.
5. **Select High or Low intensity.** Press  High or  Low intensity setting buttons, as appropriate for the patient.





6. **To track treatment time, reset timer to zero.** Press and hold  Treatment Timer Reset Button for approximately two seconds.
7. **Monitor the patient during treatment.**
8. **Turn on white exam light as needed.** Press  exam light button on.
9. **Turn off white exam light when finished.** Press  exam light button off, or press  On/Standby button to resume blue treatment light.
10. **Turn off blue treatment light when finished.** Press  On/Stand-by button.


Warnings




 **Warning! Placement directly on incubator:** Confirm all suction cup feet are fully seated on the top of the incubator enclosure to prevent slippage. When placing the light enclosure directly on incubator, care must be taken to ensure a safe operating environment. Secure power cord to minimize risk of tripping.


 **Warning!** Maintain a minimum treatment distance of 35 cm (13.75 in) between the light and infant for optimal uniformity.


 **Warning!** Select only infants for whom phototherapy has been prescribed.


 **Warning!** The intensity level and duration of treatment should be prescribed by the physician for each patient.



 **Warning!** Intensive phototherapy ($>30\mu\text{W}/\text{cm}^2/\text{nm}$), may not be appropriate for all infants (i.e. preterm infants $<1000\text{g}$).¹

 **Warning!** Do not look directly into the LEDs. During treatment or use of the white exam light, always protect the baby's eyes with eye patches or equivalent. Periodically and/or per your hospital protocol, verify that the baby's eyes are protected and free of infection.

 **Warning!** Regular monitoring during treatment is recommended.

 **Caution:** Federal Law (U.S.) restricts this device to sale or use by or on the order of a physician (or properly licensed practitioner).

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

Consider using the neoBLUE compact light with the optional Arm and Roll Stand:



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¹Maisels MJ, Watchko JF, Bhutani VK, Stevenson DK. An approach to the management of hyperbilirubinemia in the preterm infant less than 35 weeks of gestation. *Journal of Perinatology* (2012) 32, 660-664

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