A family of phototherapy products and solutions

**neoBLUE® LED Phototherapy**

Optimal blue LED technology for the treatment of newborn jaundice

- neoBLUE LED Phototherapy System
  - Most effective degradation of bilirubin
  - Meets AAP Guidelines for intensive phototherapy
  - No light in the UV or IR range

- neoBLUE mini LED Phototherapy System
  - Provides all the benefits of blue LED technology in a portable and compact size

- neoBLUE cozy LED Phototherapy System
  - Unique, cradling design facilitates use in multiple configurations and patient care settings

- neoBLUE blanket LED Phototherapy System
  - Provides intensive phototherapy in a soft and flexible design that allows baby to be swaddled and held during treatment

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**neoBLUE systems utilize blue light emitting diodes (LEDs)**

Most effective degradation of bilirubin\(^1\)

All neoBLUE LED Phototherapy Systems meet AAP Guidelines for intensive phototherapy\(^2\)

**Intensity**
- All neoBLUE systems deliver intensive phototherapy: > 30 µW/cm\(^2\)/nm

**Spectrum**
- All neoBLUE systems utilize blue light emitting diodes (LEDs)
- neoBLUE LEDs emit blue light in the 450-470 nm spectrum matching the peak absorption wavelength (458 nm) at which bilirubin is broken down\(^1\)

**Surface area coverage**
- Arrangement of LEDs in neoBLUE systems allows optimal coverage of light over baby

![Emission Spectra of Blue LEDs in Relation to Bilirubin Absorption](image)

**Safe**
- neoBLUE LEDs do not emit light in the ultraviolet (UV) range – reducing the potential risk of skin damage
- neoBLUE LEDs do not emit light in the infrared radiation (IR) range – reducing the potential risk of fluid loss

**Optimal efficiency**
- neoBLUE LEDs reduce costly and time-consuming bulb replacements by providing thousands of hours of use
- neoBLUE LED panels are field serviceable – no downtime associated with patient care
- Biomedical engineers can adjust the output of the neoBLUE LEDs using a potentiometer on all neoBLUE systems
- Device timers assist in tracking overall usage of the neoBLUE LED panels

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