The neoBLUE LED Phototherapy System incorporates optimal blue LED technology for the treatment of newborn jaundice.

Meets AAP Guidelines for intensive phototherapy

**Intensity:** Features 2 intensity settings to switch between standard (15 μW/cm²/nm) and intensive (35 μW/cm²/nm) phototherapy.

**Spectrum:** Utilizes blue light emitting diodes (LEDs)
- To emit blue light in the 450-475 nm spectrum matching the peak absorption wavelength (458 nm) at which bilirubin is broken down.

**Surface area coverage:** Exposes length of baby from head to toe.

Safe
- neoBLUE LEDs do not emit significant ultraviolet (UV) light, reducing the potential risk of skin damage.
- neoBLUE LEDs do not emit significant infrared (IR) light, reducing the potential risk of fluid loss.

Designed for efficacy and precision
- With a simple flip of a switch, change from standard (15 μW/cm²/nm) to intensive (35 μW/cm²/nm) phototherapy.
- Unique red target light enables precise centering of light over baby.

Designed for convenience
- Smooth, curved edges of light enclosure provide added safety and ease in handling.
- Roll stand includes a gas shock mechanism, which maintains a safe height during pole adjustments.

Designed for multiple configurations
- Can be easily adjusted both horizontally and vertically, and tilted over a wide angle range.
- Rubber feet supplied with light enclosure – allowing stable placement directly onto incubators.
- Base of roll stand is designed to easily slide under most incubators and cribs.

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neoBLUE LED Phototherapy

Optimal efficiency
- neoBLUE LEDs reduce costly and time-consuming bulb replacements by providing thousands of hours of use.
- Life testing has shown neoBLUE LEDs can emit high intensity phototherapy for over 50,000 hours.
- Biomedical engineers can adjust the output of the neoBLUE LEDs using a potentiometer.
- Device timer assists in tracking overall usage of neoBLUE LED panel.
- neoBLUE LED panel is field serviceable – no downtime associated with patient care.

Technical specifications
- Light source: Blue and Yellow LEDs
  - Blue: Peak between 450 and 475 nm
  - Yellow: Peak between 585 and 595 nm
- Intensity:
  - Low setting: 15 ±2 μW/cm²/nm
  - High setting: 35 ±3.5 μW/cm²/nm
- Variation in intensity over 6 hrs: < 10% (within illumination area)
- Effective surface area: 20 x 10 in (50 x 25 cm)
- Intensity ratio: > 0.4 (minimum to maximum)
- Heat output (at 12 inches (30.5 cm) over 6 hrs): < 18° F (10° C) warmer than ambient

Electrical mains:
- 3A, 100-240V~, 50/60 Hz

Fuses:
- 4A @ 100-120V~, 50/60 Hz
- 2A @ 200-240V~, 50/60 Hz

Safety:
- Leakage current: < 100 μA
- Audible Noise: < 60 dB

Dimensions:
- Maximum Height: < 6 ft (1.83 m)
- Weight:
  - < 10.0 lbs (4.5 kg) (light enclosure only)
  - < 40 lbs (18 kg) (with roll stand)

Environmental:
- Operating Temperature/Humidity: 59° F to 95° F (15 to 35° C) / 10% to 90% non condensing
- Storage Temperature/Humidity: 32° F to 122° F (0° to 50° C) / 10% to 90% non condensing

Roll Stand:
- Height of lens from ground: adjustable from 42 to 59 ± 3 inches
- Center of lens from post:
  - adjustable from less than 9 to 13 ± 1 inches
  - (23 cm to 33 cm ± 2.5 cm)
- Tilt adjustment of enclosure:
  - 0° (horizontal) to approx. 40°
- Clearance of base from floor: < 4 inches (10.2 cm)
- Base:
  - 5 legs with locking casters

Regulatory standards:
- IEC 60601-1
- ES 60601-1
- CAN/CSA-22.2 No. 60601-1
- IEC 60601-2-50
- IEC 60601-2-1

Ordering information

<table>
<thead>
<tr>
<th>Item</th>
<th>Part Number</th>
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<tbody>
<tr>
<td>neoBLUE LED Phototherapy System (includes light and roll stand)</td>
<td>115V, US power supply: 010066, 230V, EU power supply: 010068, 230V, UK power supply: 010069, 230V, AU power supply: 010070</td>
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<tr>
<td>neoBLUE LED Phototherapy System (includes light only)</td>
<td>115V, US power supply: 001376, 230V, EU power supply: 001378, 230V, UK power supply: 001379, 230V, AU power supply: 001380</td>
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<td>Roll Stand (available separately)</td>
<td>010814</td>
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<tr>
<td>Drape for neoBLUE Light</td>
<td>001241</td>
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<tr>
<td>BiliBand® Eye Protectors</td>
<td>Regular Size: 900642, Premature Size: 900643, Micro Size: 900644</td>
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</tbody>
</table>

Optimal efficiency
- neoBLUE LEDs emit blue light in the 450-475 nm spectrum. This range corresponds to the peak absorption wavelength (458 nm) at which bilirubin is broken down.

neoBLUE system shown with drape accessory

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