



Intensive phototherapy that supports family-centered care and newborn development

The next generation neoBLUE blanket LED phototherapy system is designed to bring clinicians, caregivers and parents together, providing them the ability to offer newborns with jaundice the best start in life.

- **Meets AAP guidelines for intensive phototherapy**, providing sufficient intensity, spectrum of light and surface area coverage.<sup>1</sup>
- **Skin-to-skin contact, or kangaroo care**, continues during treatment, avoiding disruptions to phototherapy treatment, reducing newborn stress, aiding thermoregulation, assisting neurobehavioral development and promoting mother-child bonding.
- **The neoBLUE blanket avoids subjecting sensitive newborns** to the discomfort and distress of unwrapping and exposure to overhead blue light, helping to support their general well-being and development.
- **Breastfeeding – an AAP best practice** – and caregiving can continue during phototherapy, helping to promote better development and avoiding the challenges faced with feeding newborns with jaundice.



# neoBLUE® blanket LED phototherapy system

## Ordering Information

Item	Part #
neoBLUE blanket LED Phototherapy System with large blanket	006244
neoBLUE blanket LED Phototherapy System with small blanket	006895
neoBLUE blanket, large pad kit	006245
neoBLUE blanket, small pad kit	006898
Mattress, large (Qty 2)	007281
Mattress, small (Qty 2)	007283
Disposable covers, large (Qty 50)	005989
Disposable covers, small (Qty 50)	006897
neoBLUE blanket Swaddle* - Newborn (fits large pad)	008424
neoBLUE blanket Swaddle* - Preemie (fits small pad)	008425
Pole-mounting hardware	006914
Carrying case	007293

### Mattress Covers



### neoBLUE blanket Swaddle\*



The neoBLUE blanket is part of the neoBLUE LED phototherapy portfolio of Natus jaundice management systems.

## Technical Specifications

Light Source	Blue LED (single)
Wavelength	Blue: Peak between 450 - 475 nm
Intensity	Peak intensity at patient surface 35 ±5 μW/cm <sup>2</sup> /nm at factory setting (total irradiance 2800 μW/cm <sup>2</sup> )
Variation in intensity over 6 hrs	< 10% (within effective treatment area)
Light emitting area (large blanket)	Approximately 9.5 x 14.5 in, 114 in <sup>2</sup>
Light emitting area (small blanket)	Approximately 6.75 x 12.75 in, 75.7 in <sup>2</sup>
Effective treatment area (large blanket)	> 77.5 in <sup>2</sup>
Effective treatment area (small blanket)	> 38.75 in <sup>2</sup>
Intensity ratio	> 0.4 (minimum to maximum)
Heat output	104°F maximum surface temperature

## Electrical Specifications

### Input

Voltage	100 - 240 V~
Current	1.6 A
Frequency	50 - 60 Hz

### Power supply output (Use only with Natus power supply)

Voltage	12 V
Power	72 W maximum
Current	6.0 A

## Safety

Total patient leakage current	< 100 μA
Audible noise	≤ 44 dB(a)
Use around flammable gases	This product is "non-AP/APG"
Use around magnetic fields	This product is "MR Unsafe"

## Dimensions

Width x Length x Height (light box)	4.75 x 9.25 x 5.5 in
Weight (light box)	3 lb

## Environmental

Operating temperature/humidity	Light box: 41° - 86°F/10% - 90% non-condensing; Blanket: 41° - 100°F/10% - 90% non-condensing
Storage temperature/humidity	32° - 122°F/10% - 90% non-condensing
Shipping temperature/humidity	-22° - 149°F/10% - 90% non-condensing
Operational altitude/atmospheric pressure	700 - 1060 hPa (approx. -1,000 - 10,000 ft)
Storage altitude/pressure	700 - 1060 hPa (approx. -1,000 - 10,000 ft)
Shipping altitude/pressure	570 - 1060 hPa (approx. -1,000 - 15,000 ft)

## Safety Standards

Electrical safety	IEC 60601-1, ES60601-1, CAN/CSA C22.2 No 60601-1
EMC [Class B]	IEC 60601-1-2
Device specific safety	IEC 60601-2-50
Home healthcare	IEC 60601-1-11
Usability	IEC 60601-1-6, IEC 62366
Biocompatibility	ISO10993

## Reference

1 Subcommittee on Hyperbilirubinemia. American Academy of Pediatrics clinical practice guideline: Management of hyperbilirubinemia in the newborn infant 35 or more weeks of gestation. Pediatrics. 2004; 114(1):297-316.

\*HALO® SleepSack™ Swaddle customized for use with the neoBLUE blanket fiberoptic pad.

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