



neoBLUE[®] blanket

LED PHOTOTHERAPY SYSTEM

INTENSIVE PHOTOTHERAPY THAT SUPPORTS FAMILY-CENTERED CARE AND NEWBORN DEVELOPMENT

The next generation neoBLUE blanket LED phototherapy system is designed to bring together clinicians, caregivers and parents, 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.¹
- 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 wellbeing and development.
- Breastfeeding – an AAP best practice – and care giving can continue during phototherapy, helping to promote better development, and avoiding the challenges faced with feeding newborns with jaundice.



ORDERING INFORMATION

ITEM	PART #
neoBLUE blanket LED Phototherapy System with large blanket	
US power cord	006244
EU power cord	007299
UK power cord	007296
AU power cord	007301
neoBLUE blanket LED Phototherapy System with small blanket	
US power cord	006895
EU power cord	007300
UK power cord	007298
AU power cord	007302
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
Biliband® Eye Protectors	
Regular Size	900642
Premature Size	900643
Micro Size	900644



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

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

TECHNICAL SPECIFICATIONS

LIGHT SOURCE – BLUE LED (SINGLE)	
Wavelength	Blue: Peak between 450 and 475 nm
Intensity	Peak intensity at patient surface 35 ±5 µW/cm ² /nm at factory setting (total irradiance 2800 µW/cm ²)
Variation in intensity over 6 hrs	< 10% (within effective treatment area)
Light emitting area (large blanket)	Approximately 24.1 cm x 36.8 cm, 734 cm ²
Light emitting area (small blanket)	Approximately 17.1 cm x 32.4 cm, 488 cm ²
Effective treatment area (large blanket)	> 500 cm ²
Effective treatment area (small blanket)	> 250 cm ²
Intensity ratio	> 0.4 (minimum to maximum)
Heat output	40° C 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)	12.1 cm x 23.5 cm x 14 cm
Weight (light box)	1.36 kg

ENVIRONMENTAL	
Operating temperature / humidity	Light box: 5° to 30° C / 10% to 90% non-condensing; Blanket: 5° to 38° C / 10% to 90% non-condensing
Storage temperature / humidity	0° to 50° C / 10% to 90% non-condensing
Shipping temperature / humidity	-30° to 65° C / 10% to 90% non-condensing
Operational altitude / atmospheric pressure	700 hPa to 1060 hPa (approx. -1,000 to +10,000 ft)
Storage altitude / pressure	700 to 1060 hPa (about -1000 to 10,000 ft)
Shipping altitude / pressure	570 to 1060 hPa (about -1000 to 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

Note: Specifications are subject to change without notice.
*HALO® SleepSack™ Swaddle customized for use with the neoBLUE blanket fiberoptic pad.