


GE Healthcare

by anandic

# Giraffe Blue Spot PT Lite Phototherapy System

Hyperbilirubinemia treatment in a new light





Innovative gooseneck design allows easy light positioning without interfering with patient access.

# High-intensity phototherapy that's easy on patients and caregivers alike

The Giraffe\* Blue Spot PT Lite phototherapy system combines exceptional performance with the patient friendly focus that's the hallmark of Giraffe infant-care products.

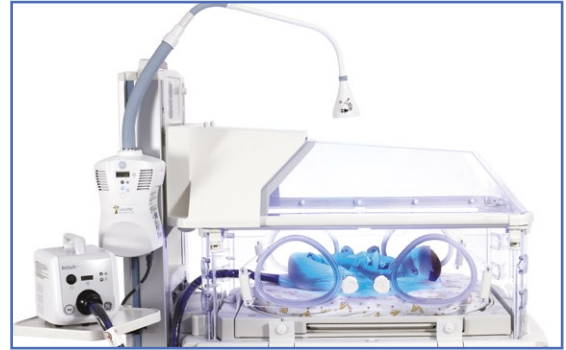
Designed with both the newborn and the caregiver in mind, the Blue Spot PT system employs advanced LED technology that:

- Emits blue light in a narrow spectral band of 430-490 nm, focusing on bilirubin's peak absorption wavelength to speed its breakdown
- Provides high-intensity output in a compact, lightweight and user-friendly package
- Offers excellent light uniformity across a large spot for full body surface coverage and effective dosage
- Delivers focused light therapy directly to the patient minimizing undesired exposure for caregivers and patients in adjacent care areas

**The result:** Outstanding treatment efficacy, making the Blue Spot PT an ideal solution for managing hyperbilirubinemia in any neonatal care setting.



Excellent light uniformity and large spot size combined with the right intensity result in effective patient dosage.



For aggressive treatment of hyperbilirubinemia, you can use the Blue Spot PT in conjunction with our BiliSoft LED system to maximize surface area coverage.

## Patient- and user-friendly

The Blue Spot PT supports developmental care measures while promoting efficient patient management.

With its fiberoptic light pipe and innovative gooseneck design, it's easy to position the Blue Spot PT to deliver therapeutic light exactly where it's needed. It doesn't obstruct patient viewing, nor does it interfere with patient access. The clinician can easily rotate the light out of the way for patient assessment and care.

The Blue Spot PT is also compact, lightweight and exceptionally quiet. Since the light source is tucked safely away in a box well removed from your patients, it protects the baby from ambient noise and heat. This also eliminates the risks associated with placing bulky equipment directly over the patient.

## The right choice under any constraints

If your facility is like many today, you're operating in tight quarters, under a tight budget. Such constraints make the Blue Spot PT even more attractive.

That's because the Blue Spot PT System is designed to pamper the budget, and not only from the standpoint of initial cost. The LED module it uses is rated to last up to 10,000 hours\* before requiring replacement; almost four times longer than the life of standard white halogen bulbs. And its compact size and flexible mounting options allow for fast, easy positioning, to save both valuable time and space.

## May we tell you more?

If you're looking for an efficient and high-intensity phototherapy device to treat hyperbilirubinemia, a common problem affecting 60% of all full-term and 80% of pre-term infants, we'd like to tell you more about the Giraffe Blue Spot PT Lite. Ask your GE Healthcare representative for details today.

# Technical specifications

## Environmental

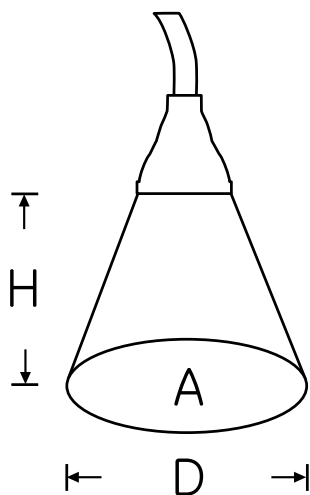
- Operating temperature: 18 to 30°C
- Humidity: 10 to 95% RH noncondensing

Storage conditions (while sealed in shipping packaging):

- Temperature: -20 to 60° C
- Humidity: 0 to 95% RH noncondensing
- Pressure: 64 to 106 kPa

## Physical dimensions

- Size (Light Box): 17.8 cm W x 30.5 cm H x 11.4 cm D
- Weight: 4 kg



## Performance

- Spectral irradiance 45  $\mu\text{W}\cdot\text{cm}^{-2}\cdot\text{nm}^{-1}$  +25%/-20% (measured after a five minute warm-up on a new unit with a new bulb, 38 cm from lens to spot center, by a BiliBlanket Light Meter II with 400-520 nm range).
- Bulb type: Blue LED
- Nominal bulb life: 10,000 hours\*
- Noise level: <50 dBA (measured 1 meter from the unit)
- Mode of Operation: Continuous

## Standards

- Product ETL certified to the following standards:  
UL 60601-1  
IEC 60601-1  
CAN/CSA C22.2 #601.1  
IEC 60601-1-2  
IEC 60601-2-50

## Ordering information

Giraffe (IEC) Accessory Outlet Plug Model (can only be used on Giraffe products): M1231533

Wall Outlet Plug Model (fits standard wall outlets): M1224917

BiliBlanket Lightmeter II: 6600-0198-900

Giraffe Spot PT Roll-Stand: 6600-0894-216

\* IEC standards recommend bulb replacement at 25% output reduction, which corresponds to 27  $\mu\text{W}\cdot\text{cm}^{-2}\cdot\text{nm}^{-1}$  and occurs at approximately 10,000 hours. However, sufficient irradiance for effective phototherapy continues well after 25% reduction.

Distance (H cm)	Diameter (D cm)	Surface Area (A cm <sup>2</sup> )	Spectral Irradiance ( $\mu\text{W}\cdot\text{cm}^{-2}\cdot\text{nm}^{-1}$ +25%/-20%)
38	35.5	990	45
50	46.7	1713	26
60	56.1	2472	18

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GE imagination at work