

GE Healthcare

Giraffe SPOT PT Lite Phototherapy System

See Hyperbilirubinemia treatment
in a different light



Putting the SPOT light on phototherapy

GE Healthcare's new Giraffe® SPOT PT Lite™ Photo-therapy System bathes the newborn in a shower of friendly, healing white light.

Designed to be used in both the NICU and the Well Baby Nursery, the Giraffe SPOT PT Lite provides intensive phototherapy for infants. In incubators, warmers, bassinets. As part of GE's Giraffe platform, the SPOT PT Lite was designed to promote developmental care for the newborn. The compact size and mounting options allow for fast, easy positioning, saving on both time and space. It's friendly to caregivers and parents.

SPOT light on innovation

- High intensity phototherapy
Focused, higher phototherapy dosage is delivered to the newborn, not the surrounding area of the bed. $57.6 \mu\text{W}\cdot\text{cm}^{-2}\cdot\text{nm}^{-1}$ output at 15 inches distance from newborn.
- Innovative, dependable design
Therapeutic light is delivered through a flexible lightpipe for fast, easy positioning. The bulb is in the box – not near the patient – minimizing heat generation around the baby. Allows an unobstructed view for caregivers and parents. Focused treatment area minimizes exposure to neighboring infants.
- White light
Friendlier for the caregiver than traditional blue lights and therapeutic for the newborn.
- Mounting options
Bed mounted units conserve space in all care areas. Roll stand mounted option provides added flexibility. Either option ensures quick and easy access to the newborn.



Big power in a little package

GE Healthcare's new Giraffe SPOT PT Lite Phototherapy System is a compact and lightweight – yet powerful – alternative to other phototherapy units. Mounting flexibility allows the system to be bundled with all Giraffe and Panda® infant care beds.

With the Giraffe SPOT PT Lite, and the BiliSoft™ LED Phototherapy System, GE provides the most complete portfolio of phototherapy products for effective treatment of hyperbilirubinemia – meeting the 2004 AAP Guidelines for intensive phototherapy.*

The innovative SPOT PT system is part of the Giraffe developmental care product line – designed with both the newborn and the caregiver in mind. You see, GE shares your devotion for promoting infant health and developmental care.

We call it **Maternal-Infant Care Re-imagined.**



Giraffe SPOT PT Lite shown working in conjunction with the BiliSoft LED Phototherapy System.

**Pediatrics, Management of Hyperbilirubinemia in the Newborn Infant 35 or More Weeks of Gestation, Vol. 114 No. 1 July 2004, p. 297-316: Intensive phototherapy implies the use of high levels of irradiance in the 430- to 490-nm band (usually $30 \mu\text{W}\cdot\text{cm}^{-2}$ per nm or higher) delivered to as much of the infant's surface area as possible.*

Technical specifications

Environmental

- Operating temperature: 20 to 30°C
- Humidity: 10 to 95% RH noncondensing
- Air velocity: up to 0.3 m/sec

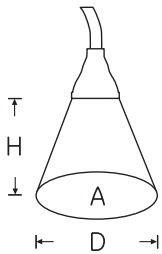
Storage conditions

(while sealed in shipping packaging):

- Temperature: -40 to 60° C
- Humidity: 0 to 95% RH noncondensing
- Pressure: 50 to 106 kPa

Physical dimensions

- Size (vertical box and light pipe): (18 cm W x 1.3 m H x 13 cm D)
- Weight: 4.8 kg



Distance (H cm)	Diameter (D cm)	Surface Area (A cm ²)	Spectral Irradiance (μW•cm ⁻² •nm ⁻¹ ±25%)
38	20	315	57.6
50	25	484	38.7
60	29	675	29.3

Performance

- Spectral irradiance 57.6 μW•cm⁻²•nm⁻¹ ± 25% (after a 5 minute warm-up time and 38 cm from the lens to the center of the spot with a new unit and new bulb, measured by a BiliBlanket Light Meter II with 420-480 nm range).
- Bulb type: Metal halide 50 W
- Nominal bulb life: 2500 hours*
- Noise level: <60 dBA (measured 35.5 in (90 cm) from the unit)
- Mode of Operation: Continuous

Electrical

- 1.2 A @ 100 V ~, 50/60 Hz
- 1.0 A @ 115 V ~, 50/60 Hz
- 0.68 A @ 220 V ~, 50/60 Hz
- 0.65 A @ 230 V ~, 50/60 Hz
- 0.63 A @ 240 V ~, 50/60 Hz

Standards

- Product CSA certified to the following standards: IEC 60601-1-2:2004; UL 60601-1:2003; IEC 60601-1:1998: CAN/CSA 601-1M90
- Self certified to 60601-2-50, 2000

Warranty

One year

Ordering information

Giraffe® (IEC) Accessory Outlet Plug Model (can only be used on Giraffe® products): 6600-0833-800

Wall Outlet Plug Model

(fits standard wall outlets): 6600-0845-800

Replacement bulb:

6600-0235-850 (package of 1)

*Bulb life is defined as a rated median life with a duty cycle of 2 hours on and 30 minutes off. The median life is the time at which 50% of the lamps are still operational. An application requiring a duty cycle with a longer on time for each start will extend the life and shorter on times will reduce lamp life. IEC standards recommend bulb replacement at 25% output reduction, which occurs at approximately 1400 hours. However, sufficient irradiance for effective phototherapy continues well after 25% reduction.

Healthcare Re-imagined

GE is dedicated to helping you transform healthcare delivery by driving critical breakthroughs in biology and technology. Our expertise in medical imaging and information technologies, medical diagnostics, patient monitoring systems, drug discovery, and biopharmaceutical manufacturing technologies is enabling healthcare professionals around the world to discover new ways to predict, diagnose and treat disease earlier. We call this model of care "Early Health." The goal: to help clinicians detect disease earlier, access more information and intervene earlier with more targeted treatments, so they can help their patients live their lives to the fullest. Re-think, Re-discover, Re-invent, Re-imagine.

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GE imagination at work

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