

BRILLIANCE

AFFORDABLE & WORLD CLASS
PHOTOTHERAPY


WORLD CLASS PERFORMANCE


- ✓ ideal wavelength 455 -465 nm
- ✓ uniform intensity > 35 uW/cm²/nm
- ✓ meets American Academy of Pediatrics standards

LOW COST

22,000 ₹
approx. \$400

LOW MAINTENANCE

 lifetime of **7.6* years**
*Assuming 14hrs usage per day

no  **bulb** replacement

no fan  

ONE MACHINE TREATS

1,042 BABIES

*Assuming average treatment time of 48hrs

USER FRIENDLY

LCD DISPLAY

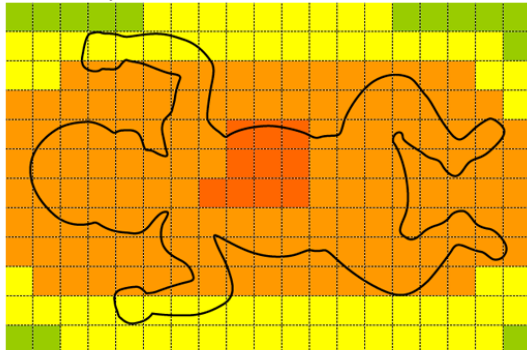


BRILLIANCE world class jaundice treatment

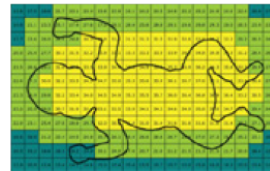
COMPARATIVE IRRADIANCE FOOTPRINT

Irradiance maps for LED-based phototherapy devices, Brilliance and neoBLUE. The American Academy of Pediatrics (AAP) recommends an irradiance of $\geq 30 \mu\text{W}/\text{cm}^2/\text{nm}$ over maximum possible body surface area for effective phototherapy.

Scale: 1 square = 1 in^2

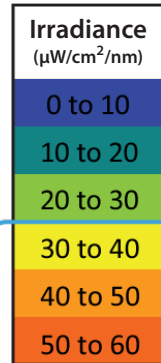


Brilliance



Natus neoBLUE

American Academy of Pediatrics (AAP) intensive phototherapy standard: $\geq 30 \mu\text{W}/\text{cm}^2/\text{nm}$



PHYSICAL / ELECTRICAL

Overall Dimensions Height x Width x Depth:
159.5 cm x 71 cm x 71 cm

Light Unit Dimensions Length x Width x Depth:
57.5 cm x 36 cm x 6 cm

Total Unit Mass 20 kg

Footprint of Stand Length x Width x Depth:
71 cm x 71 cm x 13 cm

Height of base < 7.5 cm

Castors 2 Lockable

Height adjustment range 110 cm – 160 cm (distance
between bottom surface
and ground)

Recommended treatment
distance 35 cm

Electrical supply

- Voltage 100 – 240 VAC ~
- Frequency 50/60 Hz

Max power consumption 60 W

PERFORMANCE

Illumination source Blue LEDs

Peak spectral
irradiance > $40 \mu\text{W}/\text{cm}^2/\text{nm}$ at recommended
treatment distance measured with
Ohmeda Medical BiliBlanket II Meter

Peak wavelength 455 nm

Emission spectrum 450 – 465 nm (maximum bounds of
FWHM range)

Effective surface area 25 cm x 50 cm at recommended
treatment distance

Irradiance ratio >0.4 (minimum/maximum irradiance)

Time totalizer Machine run time totalizer
Therapy time totalizer

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For all other inquiries, contact: brilliance@d-rev.org

Brilliance is a product of D-Rev in California, in collaboration with Phoenix Medical Systems in India to design and bring to market an affordable, world class phototherapy device. Our goal is to ensure that every child, no matter where they are born, can receive the high-quality medical treatment they need.