

BRV 200

Integrated Light Meter (available)	✓
Smart Tilt Technology	✓
LED Lifetime	>100,000 hours
LED Intensity	>40,µW/cm ² /nm hours
High & Low Settings	✓
Peak wavelength of Light	451nm
Tilting Head	0-90°
Adjustable Height	✓
Therapy Timer	✓
Backlit LCD	✓
Observation Lights (available)	✓
No Maintenance Cooling (no fan)	✓
CE Mark	✓
Product Launch Date	January 2015

World -Class Treatment

Emission spectrum 445-470nm (FWHM)
 Uniform intensity >40µW/cm²/nm
 Effective treatment area 50cm x25cm

Integrated Design

BRV-200 is designed for versatility of use. **BRV-200** can be integrated with other critical medical equipment such as infant warmers, incubators, and neatly and variety of bassinet

Smart Tilt Technology

Patent-pending technology to ensure that light intensity from blue LEDs is consistent across the treatment footprint at any angle of head-tilt. smart Tilt ensures that **BRV-200** pro works effectively at and position and in cooperation with other pieces of neonatal intensive care unit (NICU) equipment.

Energy Efficient

BRV-200 consumes less than half than power of CFLs.

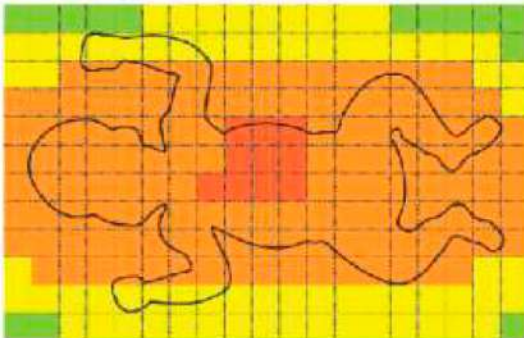
Minimal Maintenance

BRV-200 LEDs last 60x longer than compact fluorescent lamps (CFL) commonly used in phototherapy devices. With **BRV-200** hospitals can save over \$240 USD per year on costly bulb replacements. Also, **BRV-200** uses a medical-grade power supply and can withstand a wide range of power fluctuations without changes in device performance.

Comparative Irradiance Footprint

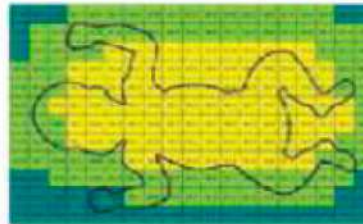
Irradiance maps for LED-based phototherapy devices, Brilliance and a leading US-based competitor. The American Academy of Pediatrics (AAP) recommends an irradiance of $\geq 30 \mu\text{W}/\text{cm}^2/\text{nm}$ over maximum possible body surface area for effective phototherapy.

Brilliance

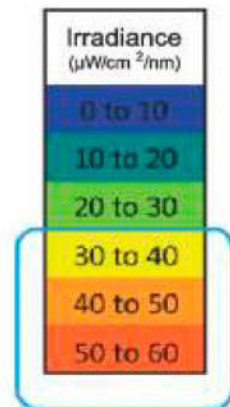


Scale: 1 square = 1 ir²

Leading US-based competitor



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: 123cm x 69cm x 64cm
Light Unit Dimensions	Length x Width x Depth: 55cm x 30cm x 5cm
Total Unit Mass	12 kg
Footprint of Stand	Length x Width x Depth: 69cm x 64cm x 10cm
Height of base	< 10cm
Castors	2", Lockable
Height adjustment range	118cm–165cm (distance between bottom surface and ground)
Recommended treatment distance	45cm
Electrical supply • Voltage • Frequency	(Medical grade) 100 – 240 VAC ~ 50/60Hz
Max power consumption	25W

Performance	
Illumination source	Blue LEDs + White observation lights
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	451nm
Emission spectrum	445–470nm (bounds of FWHM range)
Effective surface area	50cm x 25cm (at recommended treatment distance)
Irradiance ratio	>0.4 (minimum /maximum irradiance)
Time totalizer	Machine run time totalizer + Therapy time totalizer
LCD	Backlit