



## PHOTOTHERAPY

**BN300**

- 3.5 inch LCD TFT color touch control screen.
- Light intensity adjustment with range 0-100%  $\mu\text{W}/\text{cm}^2/\text{nm}$  by 5% increments.
- 16pcs super LEDs and 4 pcs white examination LEDs.
- Optional languages support.
- Green LED marking light ensure the users determine the active treatment zone inside the ideal efficient area(50\*25cm).


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- Effective area illumination and focusing.
  - Height adjustment with block lift.
  - Real time clock and date display on the main screen.
  - 0-99h treatment Timer&Down-Counter.
  - Easy use for incubator and baby cribs.



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- Skin temperature measurement.
  - High/Low skin temperature alarm.
  - 360° rotatable head module in all directions.
  - Suitable to use stand alone without trolley.
  - Light source without emitting heat, UV and IR (super LEDs).

## SPECIFICATION

<b>Model Name</b>	BN300
<b>Light Source</b>	16 Blue Super LED
<b>Examination</b>	4 White LED
<b>Screen Type</b>	3.5inch LCD TFT Color Touchscreen
<b>Spectral Irradiance</b>	25 - 120 $\mu$ W/cm <sup>2</sup> /nm
<b>Wavelength Range</b>	450-470 nm (458 nm Peak)
<b>Treatment Life-time of the Lamps</b>	20.000 Hours
<b>Skin Temperature</b>	(Skin Temperature Range: 10 – 45 °C)
<b>Skin Temperature Alarm Limits</b>	30 – 39 ° C (Low-High)
<b>Adjustable Irradiance Intensity</b>	% 0 – 100 (% 5 increments)
<b>Treatment Timer, counter Type</b>	0 – 99 hours (Counter/Downcounter programmable)
<b>Safety of Screen</b>	Touchscreen Lock
<b>Alarm (Audible/Visual/Written)</b>	High Skin Temperature – Low Skin Temperature, Temperature Deviation (0.5°C / 1°C), End of Treatment, Life time, Overheat, Skin Probe Failure
<b>Alarm Silence</b>	From touchscreen
<b>Noise Level</b>	< 30 dB
<b>Fan</b>	Fanless Cooling System
<b>Head Rotation</b>	360 ° in all directions
<b>Working Conditions</b>	
<b>Temperature</b>	15°/30° C
<b>Humidity</b>	5 to $\leq$ 99 RH
<b>Electrical Features</b>	
<b>Voltage and frequency</b>	220-240 VAC 50/60 Hz, 1 A
<b>Power</b>	50 W
<b>Storage Features</b>	
<b>Temperature</b>	-10 to +40°C
<b>Humidity</b>	0 to %90 RH
<b>Physical Specifications</b>	
<b>Width, dimension and height</b>	W: 35 cm, D: 25 cm, H: 5.5 cm
<b>Weight</b>	3 kg
<b>Standard Accessories</b>	Skin temperature probe (Reuseable)

### BNG MEDICAL INSTRUMENTS CO., LTD.

 Room 205, Block F, Funing High Tech Industry Park, Fuyong, Baoan District, Shenzhen City, Guangdong Province, P.R. China

 T: +86 755 2357 6023  
 info@bngmed.com

F: +86 755 2357 6023