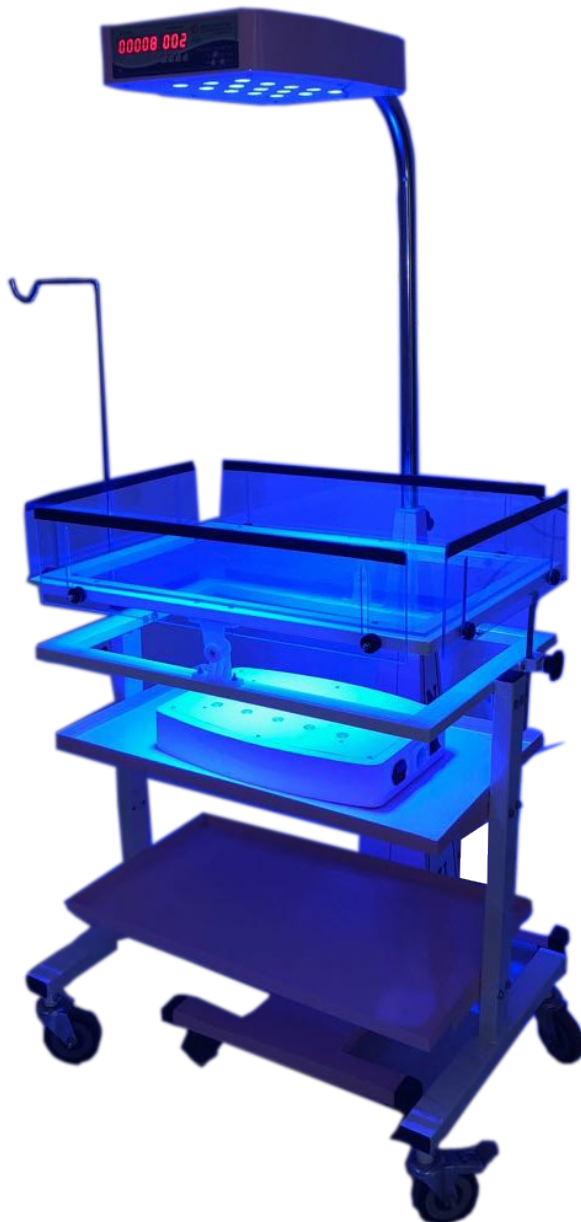




# P-003

## LED Phototherapy Unit



# P-003

## LED Phototherapy Unit

### Salient Features

- Phototherapy based on LED technology, which after filtering provide, a light of wavelength approximately 450 to 470 nm with peak wavelength of 450-460nm range.
- Irradiance minimum 35  $\mu\text{W}/\text{cm}^2/\text{nm}$  at 40 cm height and UV not exceed 10-4 W/m<sup>2</sup> in 180nm to 400nm.
- Digital Hour meter showing total exposure time for current patient clearly visible by operator.
- Effective light field >700 cm<sup>2</sup>.
- Lamp life minimum 20000 hours for LED and has timer to indicate its usage.
- Over temperature safety cut out is included.
- Up, down and tilting of head is possible .
- The unit is mounted with castor wheels with brakes.
- Variation in intensity over 5-6 hours < 10%.
- The irradiance ratio (min to max) is greater than 40 % on mattress.
- Green indicator light is provided to indicate that equipment is ready for normal use.
- Interruption and a restoration of the power supply does not change preset values. LED heat can be reduced by natural cooling.
- LED is protected from free fall.
- It does not topple on 10 deg inclined angle.
- The temperature of baby bed and metal surfaces does not exceed 40deg C and 43 deg C for other accessible surfaces.
- There is intuitive method to indicate the light surface is at the appropriate treatment distance.
- Mobile stand with movable castors and height adjustment facility along with easy swivelling of source box. Unit can be used along with Infant care trolley, Radiant Warmer and Incubator.
- UP/DOWN adjustment of Over Head Unit; The phototherapy unit can be able to provide effective treatment for beds and incubators of varying heights (generally 1.0 to 1.6m). Adjustment of light intensity is provided.

### Optional Bassinet:

- Clear cabinet for observation of infant.
- Infant bassinet an integral unit which is detachable.
- Unit provide shielding of infant in the event of bulb breakage.
- Bulb mount has angle adjustment of at least 30 degrees.
- All surfaces made of corrosion resistant materials.
- Light unit tilting facility and height adjustment facility.
- The temperature of baby bed and metal surfaces not exceeds 40deg C and 43 deg C for other accessible surfaces.

Power requirements 220 to 240V, 50 Hz

Note: The design of the model is subject to change without prior notice.



## MEDI WAVES INC.

ISO 9001:2015 CERTIFIED

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ISO 13485 : 2016 CERTIFIED | CE CERTIFIED

H.O. : B-68, G.T. Karnal Road, Industrial Area, Delhi-110033 (India)

Works : Plot No. 92, Sector-57, Phase IV, HSIIDC Kundli,  
Sonepat, Haryana-131001 (India) Ph. : 0130-6542024

Helpline No. : 011-42384365

E-mail : sales@medi-waves.com | anandmedical@gmail.com

Website : [www.medi-waves.com](http://www.medi-waves.com)