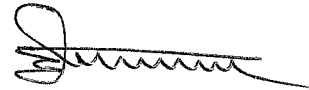


SPECIFICATIONS OF LED PHOTOTHERAPY UNIT

1. Lifetime of LED 20,000 to 30,000 hours.
2. Spectral Irradiance from 30 to 60 $\mu\text{W}\cdot\text{cm}^{-2}\cdot\text{nm}^{-1}$ at 45 cm distance between bed and light.
3. Should have multilevel intensity control from minimum to maximum.
4. At the tilted position, the irradiance is 30 $\mu\text{W}\cdot\text{cm}^{-2}\cdot\text{nm}^{-1}$ at 45 cm distance between bed and light.
5. Wavelength is 450 – 480 nm, and it's free from UV and IR radiation.
6. Effective surface area - 200 X 400 mm within a irradiance ratio of 0.4 (min/max irradiance).
7. Digital (LCD) Timer for monitoring therapy hours (resettable) & lamp usage hours (non resettable).
8. Have feather touch key pad.
9. Cooling Fan/ heat sink is provided to dissipate the heat created by LED's.
10. Light head should be compact to use along with the Radiant warmer & provided with tilting facility so that the unit is not coming directly under warmer.
11. Smooth Height adjustment mechanism & seamless height adjustment from minimum to maximum height.
12. Minimum height – 1150 mm or less from the floor to use near the mother bed.
13. Maximum height – 1500 mm or more from the floor to use with the incubator and Radiant warmer.
14. Coating : Epoxy /powder coated body for scratch and rust prevention and
15. PU (Poly Urethane) /ABS /Fiber coating for plastic.
16. Mobility: Three/four castors; two rear castors provided with brakes.
17. The base of the unit is such that it will go beneath any Incubator /bed /trolley, with minimum of 100 mm floor clearance.
18. Should be supplied with white LED for patient examination.
19. The unit should be supplied with reusable eye masks, Quantity : 10
20. The product should be CE marked and the manufacturer should be ISO: 13485 certified (Certificate to be submitted)
21. The product should have regulatory approval IEC 60601-1 (certificate to be submitted).
22. Two years guarantee followed by 5 yrs CMC (Comprehensive Maintenance Contract).



Executive Director (EPM)

Rajasthan Medical Services Corporation Ltd.,
Jaipur

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