

Blue i Blue i+

LED Photo Therapy



Phototherapy is the most frequently used device to treat new born Jaundice babies. 10% of all new born worldwide require treatment for Jaundice to prevent severe brain damage, lifelong disability and death. So Early Recovery of Jaundice is required and depends upon irradiance of light (Optimal in the Blue 450-470 nm) exposed on baby body surface area and also dependent duration of time. The most commonly used to treat new born Jaundice are the fluorescent Blue tube convectional light, halogen lamp, Xenon bulbs, fiber optic Blanket, each of these different device therapy has numbers of disadvantages like high heat production, unstable wave length having decreasing of irradiance (Approx 2000 hrs. maximum), so life of that device is very low and having maximum running cost.

To circumvent this issue we "Devay Medical Technologies" has developed an innovative long life (Approx 1,00,000 hrs.) Low power high intensity LED based cool light phototherapy having low running cost and more efficient. It does not emit Ultraviolet (UV) and Infrared Light which causes skin damage and hyperthermia, Delivery Treatment that complies with the American Academy of Pediatrics phototherapy standard it should be > 30 microwatt $\text{cm}^2 \text{nm}$.

Simple Accurate Versatile

- LED Phototherapy Unit
- Long Life
- Meets all Guidelines
- Low Power Consumption
- Safe & Quick Result
- Compact Size
- Low Running Cost



- Display of Run Time, Feed alarm, Dose Time, Dose Received. (Optional)
- Irradiance changeable / set able (Optional)

SPECIFICATIONS

LIGHT SOURCE	20 DEEP BLUE LED IN BLUE i & 24 DEEP BLUE LED IN BLUE i+, 2 WHITE BRIGHT LED FOR OBSERVATION (OPTIONAL)
DOMINANT WAVELENGTH	450-470 NM
SPECTRAL IRRADIANCE	BLUE i: 37 TO 40 MICROWATT/CM2/NM BLUE i +: 42 TO 45 MICROWATT/CM2/NM
LCD DISPLAY (OPTIONAL)	HAVING TWO LINE LCD DISPLAY FEATURES INCLUDES DOSE SETTING, HOURS CALCULATING & DISPLAY FEED ALARM SETTING, AUTO OFF AFTER SET DOSE
ELECTRICAL SPECIFICATION OPERATING VOLTAGE	230 – 240 V, FREQ 50/60 HZ
POWER	26 WATTS MAXIMUM
CONSUMPTION FUSE	500 MA, 230-240 V, 50/60 HZ
SINGLE LED	1 WATT, 350 MA AND 3.2 VOLT WORKING VOLTAGE
ENVIRONMENTAL SPECIFICATION OPERATING TEMPERATURE	1 TO + 48 DEGREE VOLTAGE
RELATIVE HUMIDITY	0 TO 97 % (NON CONDENSATION)
PHYSICAL SPECIFICATION LED UNIT BOX (H/W/L)	(9.5 * 23 * 41) CM
TROLLEY UNIT (H/W/L)	(110*46*70) CM
HEIGHT	110 – 170 CM
GROUND CLEARANCE OF BASE	STAND – 4.0 CM, TROLLEY – 13.0 CM
TILE ADJUSTMENT	+/- 180 DEGREE