

LIFETRONS AURA 1.0

THE MOST PORTABLE
NEONATAL PHOTOTHERAPY
DEVICE



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Aura is designed to be user friendly and provide worry-free operation day after day

Portable – The product is highly portable, weighing just 2kgs

Innovative design – Can be clamped to the bedside, retains mother-child bonding

Reduced risk – Reduces risk of neonatal handling and nosocomial infection

Battery Backup – Runtime of up to 4 hours on battery and works on solar power as well

Omnidirectional – Designed with the ability to move in any direction to treat neonatal jaundice

Quiet operation – Designed with no fan and no other mechanical moving parts



AN INVESTMENT FOR A LONG TIME

Almost 4.5 years of day and night performance

Our LEDs are rated to last up to an incredible 42,000 hours before requiring replacement.

Only 18-watt power consumption

Operating at just 18 watts the Aura LED can offer energy savings over the life of the LEDs.

¹ Before a 30% drop in irradiance after 42,000 hours of use. Rating is by LED manufacturer under specified operating conditions



EXCELLENT CLINICAL PERFORMANCE

Optimal 455 nm wavelength

Our LEDs focus tightly on the optimal wavelength (450-465 nm) to help maximize bilirubin metabolism

Ideal irradiance levels

With a high irradiance up to 50 $\mu\text{w}/\text{cm}^2/\text{nm}$ and a low irradiance up to 25 $\mu\text{w}/\text{cm}^2/\text{nm}$, Aura LED allows treatment tailored to each patient's needs

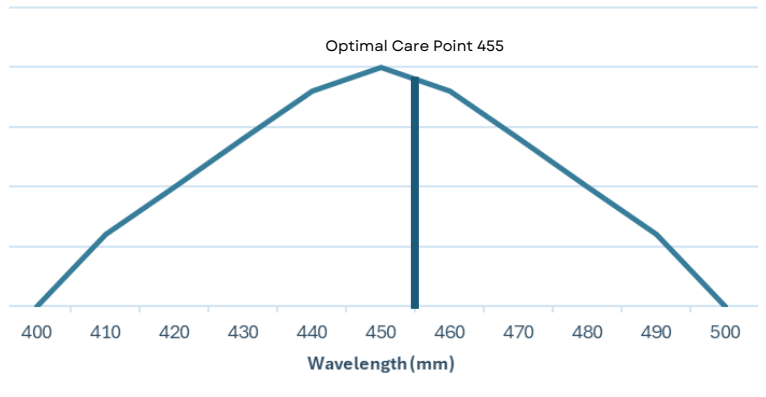
Uniform light distribution

Our optical design ensures uniform light distribution to the patient's exposed surface area, to help maximize bilirubin metabolism

Maximizing treatment area

Maximizing treatment area of total body surface area by Aura phototherapy

Rate of Bilirubin Breakdown



DESIGNED TO PROVIDE OPTIMAL CARE FOR BABIES

Our imaginative optical plan minimizes spill light outside the baby area so not one or the other caregivers nor other patients get undesired introduction to light from Aura.

The portability of the product ensures that baby is in mother's care at all times, **no need for NICU admission to treat neonatal jaundice**



Performance specifications

Spectral irradiance**	High irradiance mode: > 50 $\mu\text{w}/\text{cm}^2/\text{nm}$ Low irradiance mode: > 25 $\mu\text{w}/\text{cm}^2/\text{nm}$
Wavelength range	Dominant wavelength range of 450-465 nm. Irradiance measured by placing the LED PT head parallel to bed and at a height of 30 cm.
LED lamps	LED lamps are rated to last up to 42,000 hours at high power (with 30% lumen depreciation after 42,000 hours)
Maximum noise level	0.0 dB (A)

Physical specifications

Overall dimensions	Body : 260 mm x 130 mm x 120 mm Hood : 120mm x 260mm x 45mm Flexible Pipe : 425 mm x 15mm (L x \emptyset)
Total unit weight	2.00 kg (4.409 lbs)
Footprint	Clampable
Height adjustment	Flexible Pipe
Lamp unit tilt	Continuous up to 360°
Effective surface area	1500 sq mm - 1800 sq mm from the light source at 300 mm height

Packaging Details

Box dimensions	410 mm x 270 mm x 210 mm
Total package weight	3.60 kg

Electrical specifications

	20 W maximum at 100-240 V ~ 50/60 Hz
Overheat protection	Power cutoff for temperature $\geq 85^\circ\text{C}$ Less than 500 μA at 264 VAC RMS (power on) with ground intact for normal and reverse polarity and with ground open for normal and reverse polarity
Touch current	

Environmental operations

Ambient temperature	+10° C to 50° C
Humidity	20% to 95% RH non-condensing
Atmospheric pressure	70 kPa to 106 kPa

Storage and transportation requirements

Temperature	-17.78° C to +70° C (0° F to +158° F)
Humidity	10% to 95% RH non-condensing
Atmospheric pressure	50 kPa to 106 kPa

Regulatory standards

IEC class	IEC 606001-2-50: 2020
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Certificate of Compliance	Certificate No ; CE - 4485
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Ordering Information

Mobile : +91 70226 29115 ; +91 91419 07000
Email : lifetranshealth@gmail.com
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This device is patented since 2019



Lifetrans Inno Equipments Pvt. Ltd. provides transformational medical technologies and services that are shaping a new age of patient care. Our expertise in medical devices and technologies help our customers to deliver better care to more people around the world at a lower cost.

** The irradiance might vary within the range of $\pm 2\%$ depending upon operating conditions.