

Observation Lights (3 White LED)	<input checked="" type="checkbox"/>
LED Intensity (±25%)	~40μW/cm ² /nm
High & Low Settings	<input checked="" type="checkbox"/>
Peak Wavelength of Light	450-465nm
Tilting Head	0-90°
Therapy Timer	<input checked="" type="checkbox"/>
LED Lifetime	45,000 hours
Recommended Treatment Distance	35cm
Effective Treatment Range	35-65cm
Adjustable Height	<input checked="" type="checkbox"/>
No Maintenance Cooling (no Fan)	<input checked="" type="checkbox"/>
Measuring Tape : In Built Measuring Tape For Proper Height Adjustment	<input checked="" type="checkbox"/>

BiliSmart LED Phototherapy

Led Intensity	40 uw/cm ² /nm
Peak wave length	450-465 nm
Led life time	45000 hours
Illumination source	12 high intensity blue led
Maximum Power Consumption	35W
Time counter	machine run time counter
Unit Dimension - L	460 mm, W=290mm, H = 50mm

Bilismart Under surface LED PHOTOTHERAPY

Recommended Treatment Distance	35cm
Height of Base	<10cm
Castors	2 Lockable
Illumination Source	12 blue LED and 3 white LED
Max Power Consumption	35W
Time Counter	Machine Run Time Counter + Therapy Time Counter
Electrical Supply • Voltage • Frequency	100-240 VAC ~ 50/ 60Hz
Overall Dimensions	H165cm x W69cm x D64cm
Light Unit Dimensions	L53cm x W30cm x D5cm
Total Unit Mass	27kg
Emission Spectrum	445-470nm
Peak Wavelength	450-465nm

Physical/Electrical Specification



BILISMART LED PHOTOTHERAPY

Influential | Concentrated | Streamlined



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INTERNATIONAL SALES
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VNG Medical Innovation System pvt.ltd.

BILSMART LED PHOTOTHERAPY

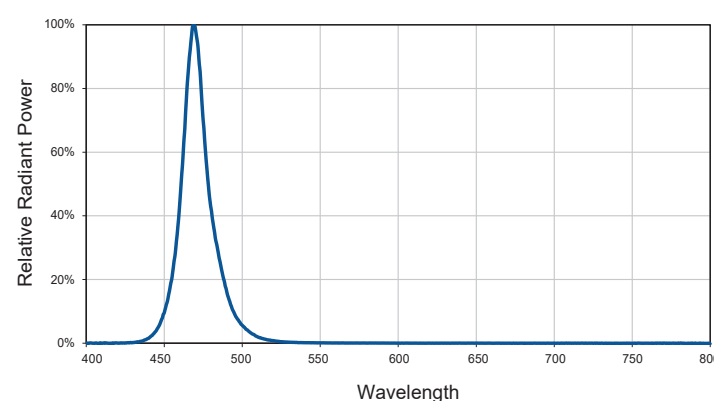
VNG offers Bilismart LED Phototherapy which is designed for jaundice treatment of a new born baby after birth and NICU

Optional modules and features provide caregiver easy access and utmost capability for a complete support of newborn for their different needs.

About The Product

The Phototherapy is designed to provide quick and effective Treatment for the new born baby. This equipment is suitable for NICU, labour rooms and nurseries. Phototherapy is treatment with a special type of light. Its use to treat newborn jaundice.

The BILI SMART LED Phototherapy is a floor-standing, mobile phototherapy device that delivers a narrow band of high - intensity blue light via blue light-emitting diodes (LEDs) to provide treatment for neonatal hyper-bilirubinemia. Blue LEDs emit light in the range 440nm-470nm (peak at the 451nm).



This range corresponds to the spectral absorption of light by bilirubin, and is thus considered to be the most effective for the degradation of bilirubin. Blue LEDs do not emit significant ultraviolet (UV) or infrared (IR) radiation, so they can be placed close to the baby.

STEPS TO FOLLOW BEFORE USING THE BILI SMART LED PHOTOTHERAPY

1. Check intensity - Check the intensity of the light using a radiometer as per your hospital protocol, or at least every six months to ensure proper light intensity. According to the American Academy of Pediatrics(AAP) an irradiance of $>30\text{UW}/\text{cm}^2/\text{nm}$ over maximum possible body surface area for effective phototherapy.

2 Shield infant's eye's with appropriate protective eye mask.

3 Projection of light over the infant The light can be tilted to approximately 90° up from horizontal (the resting position).



DISPLAY



EYE MASK



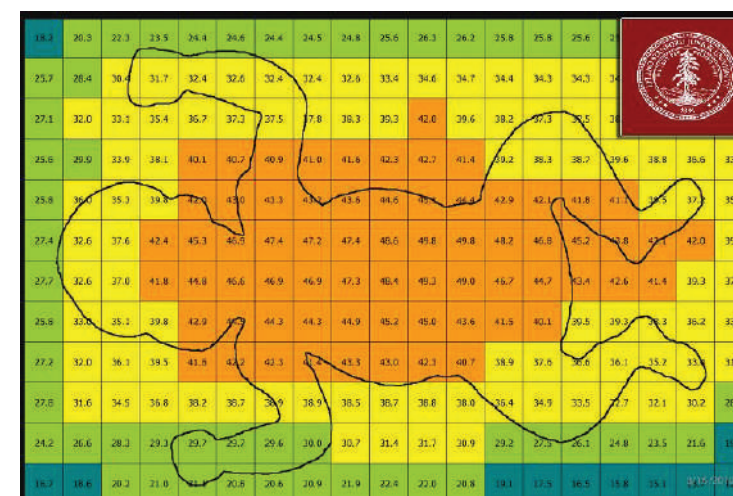
TILT 90% HORIZONTAL

Advance Features

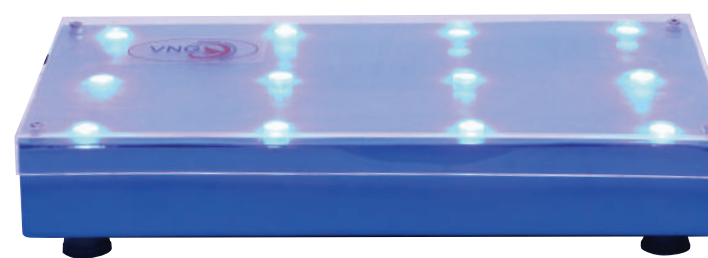
- Smart Tilt Technology.
- LED lifetime 45,000 hours.
- Intensity LED's up to $40\sim\text{W}/\text{cm}^2/\text{nm}$.
- Compact and sleek.
- Height adjustable and tiltable light unit.
- Noise free operation.
- T-shape base that slides conveniently under other.
- Time totaller for lamp usage and therapy time.
- White light for observation.

IRRADIANCE FOOTPRINT

35cm High Intensity Avg $34\mu\text{w}/\text{cm}^2/\text{nm}$									
28	30	33	31	30	29	28	27	26	19
35	40	41	41	39	38	36	35	32	23
36	42	43	43	42	42	39	38	34	24
37	43	43	43	42	42	40	38	35	25
36	40	41	40	38	40	37	36	32	23
37	37	37	36	36	35	34	32	28	20
35	30	29	29	28	28	28	26	23	15



American Academy Pediatric (AAP) Intensive Phototherapy Standard



Bilismart Under surface LED PHOTOTHERAPY



white Observation light



High Intensity



Low Intensity



Therapy Time



Locks

