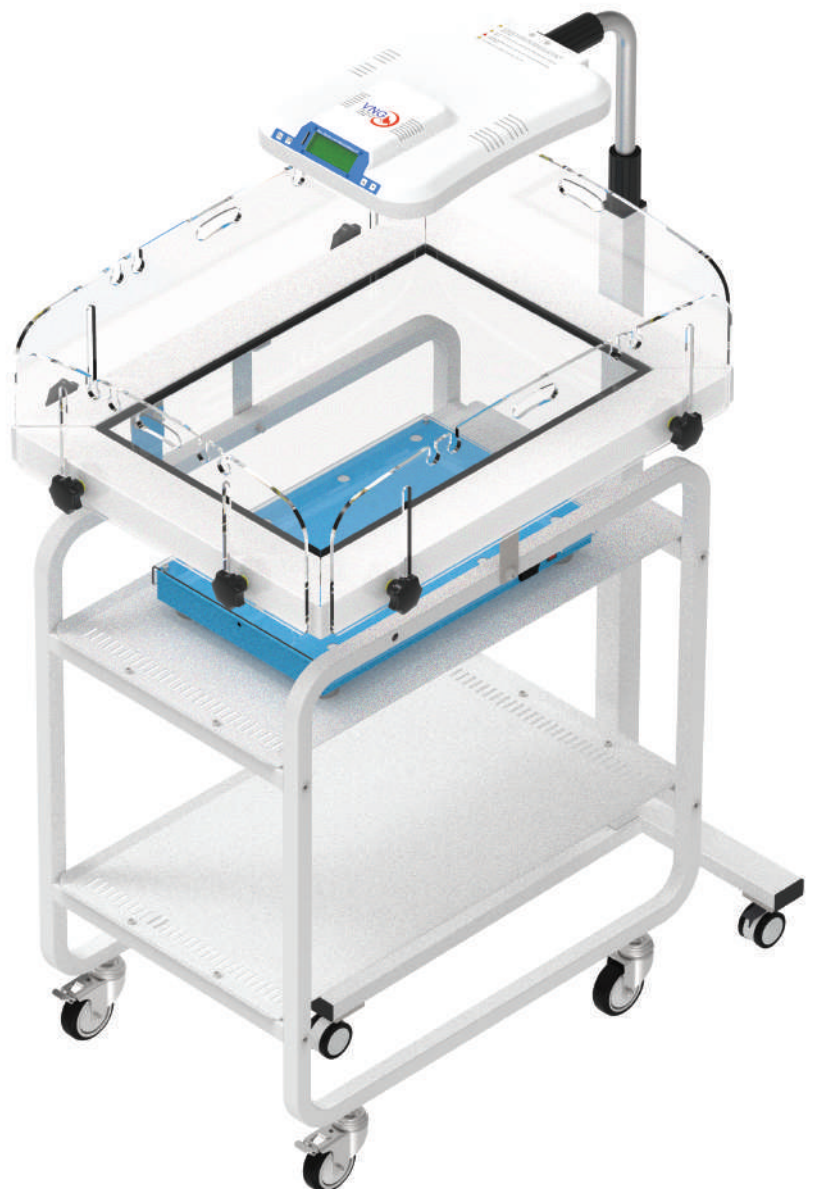




# **BILISMART<sup>+</sup>** **LED PHOTOTHERAPY**



## ABOUT

Device Intended Use & Description: BILISMART<sup>+</sup> LED phototherapy is a non-invasive technique devised to treat neonatal jaundice. Therefore, it eliminates the levels of bilirubin in the infant's blood using photo-oxidation.

Phototherapy treatments change the trans-bilirubin of blood into a water-soluble cis-bilirubin of blood to isomer. In conclusion, this results in decreased bilirubin levels.

The use of blue light proves to be the most efficient means of administering phototherapy.

Phototherapy is used for the treatment of hyperbilirubinemia in hemolytic and non-hemolytic settings. It also counteracts jaundice symptoms and is an important tool in neonatology.

## BILISMART<sup>+</sup> LED PHOTOTHERAPY SPECIFICATION

Illumination Source	12 Blue LED
Observation Lights	3 White LED
LED Intensity	~60μW/cm <sup>2</sup> / nm
Peak Wavelength	450-465nm
Tilting Head	0°-90°
Therapy Timer	YES
LED Lifetime	50,000 hours
Recommended Treatment Distance	35-40cm
Castors	3 Castors with 2 Lockable
Max Power Consumption	40W
Time Counter	Machine run Time Counter + Therapy
Electrical Supply:	a. Voltage : 100-240 VAC b. Frequency : ~ 50/60Hz
Overall Dimension	L 620mm x W 520mm x H 1260mm
Phototherapy Module Unit Dimension	L 375mm x W 275mm x H 65mm
Total Unit Mass	8.600 kg

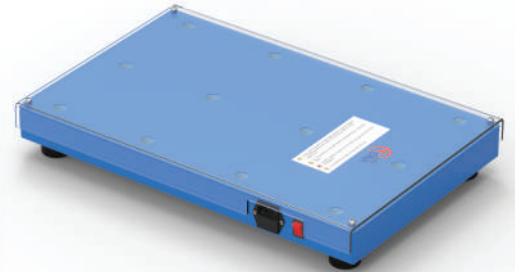


## IRRADIANCE FOOTPRINT

40cm High Intensity Avg ~60μW/cm <sup>2</sup> / nm										
32	53	72	72	73	73	69	62	37	14	
37	59	72	72	72	72	67	56	36	12	
39	57	72	72	73	72	72	51	30	12	
40	61	72	72	72	72	72	45	28	12	
41	63	72	72	73	72	73	40	25	11	
45	60	72	73	72	72	68	42	23	11	
41	58	67	72	72	69	52	45	25	11	
40	56	60	66	70	68	57	50	25	12	
38	47	51	54	58	56	58	51	27	11	
28	30	37	39	44	52	53	42	25	11	

## BILISMART<sup>+</sup> UNDER SURFACE LED PHOTOTHERAPY

Led Intensity	~35μW/cm <sup>2</sup> / nm at 290mm
Peak wave length	450-465 nm
Led life time	50,000 hours
Illumination source	12 high intensity blue led
Maximum Power Consumption	40W
Unit Dimension	L=465mm, W=290mm, H = 60mm



## OVER ALL DIMENSION OF VNG INFANT BASSINET - A01

Length	750mm
Width	515mm
Height	1050mm



## INFANT BED DIMENSION

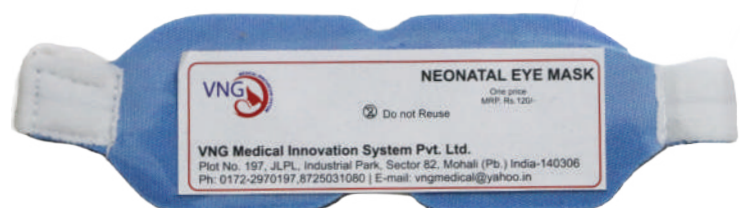
PAINT - 2k paint for scratch resistance and rust protection

Length	750mm
Width	510mm

## VNG PHOTOTHERAPY EYE MASK USED TO BLOCK BLUE LIGHT DAMAGE

Effectively block the wavelength of 425nm to 475nm blue light.

- Secure fit every time
- The fabric cover has a soft foam padding
- No side effects





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