



Ordering Info

	PN#
mavi LED complete with rollstand 110-230V	30220
mavi LED overhead only 110-230V	31220
Temp Probe	30037
Role Stand	30045
LED replacement panel	30002
Integrated Radiometer	30088

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mavi LED Phototherapy

Multiple features combined with LED technology for the most effective treatment of hyper bilirubinemia in newborns.

Well over thousand blue LEDs emitting blue light within the 450 – 470 nm spectrum matching the peak absorption of bilirubin at a wavelength (458 nm). Recommended by the AAP.

Large surface area ensuring optimal coverage resulting in far more effective treatment and shorter treatment times.

LED's represent low voltage and low current and do not generate any heat.

Over 20,000 hrs of LED life time without any degradation of intensity.

Integrated hour counter.

Includes examination light & target illuminator used for optimal placement of the unit – all at the touch of a button.

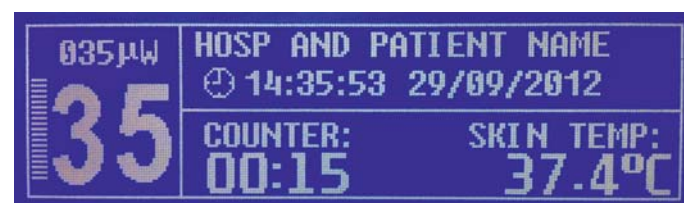
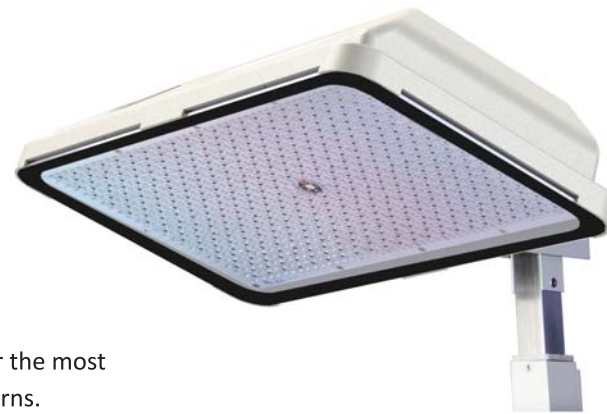
Integrated skin temperature module with audible and visual alarm system between 36°C - 40°C

Integrated radiometer ensuring optimal intensity levels at all times for effective phototherapy.

Integrated timer option for programmable treatment cycles.

User-friendly navigation panel, large LCD display providing the information needed for optimal treatment – including multiple language options.

Unit can be positioned directly on top of an incubator with a set of rubber feet also a low-profile / small foot print roll stand fits most incubators and/or open babycoods.



TECHNICAL SPECIFICATIONS

Light Source

Wavelength

Blue LED:

Yellow LED:

Peak between 450 – 470 nm

Peak between 585 – 595 nm

Intensity

Peak central intensity at 30 cm

Steps 0 to 50 : 0 – 50 µW/cm²/nm

Effective Surface Area

50 x 27 cm

Power Supply

Electrical Mains

Fuses

Leakage Current

Power

110-230 VAC 50-60 Hz

T2A 200-240V, T4A 200-240V

<150 µA at 230 VAC

75 Watt

Examination Module

Warm White LED

LCD Display & Control Module

Dot size

Dot pitch

Display area

LCD Screen

Membrane switch panel

0.49 mm x 0.49 mm

0.53 mm x 0.53 mm

133 mm x 39 mm

240 x 64 px dots graphic – negative blue

Radiometer

Range

Wavelength

0 - 100 µW/cm²/nm

420 - 490 nm

Environmental

Operating Temperature

Storage Temperature

Audible Noise

10°C - 35°C

-30°C - 50°C

< 30 dB

Dimensions

Maximum Height

Weight

175 cm

< 3,5 kg light enclosure only

< 18 kg unit with roll stand

Roll Stand

Height of diffuser

Center of diffuser from post

Tilt adjustment of enclosure

Base

128 cm – 170 cm ±5 cm

26 cm – 36 cm ±2 cm

± 20 ° horizontal

3 legs with casters (2 locking casters)

Miscellaneous

Skin Probe Measurement Range

Heat Output (30 cm)

Variation in intensity over 6 hrs

25°C - 40°C

< 8°C warmer than ambient

< 5% (within illumination area)

Regulatory Standards

EN 60601-1-1, EN 60601-1-2

EN 60601-2-50

