

o'bloo led option

360° phototherapy cradle



Médipréma has designed the o'bloo intensive 360° phototherapy cradle, which offers an irradiance applied evenly and simultaneously over the entire body surface of the child. Intensive 360 phototherapy tunnel, as o'bloo type, significantly reduce the duration of the treatment and limit the number of exchange transfusions.

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FULL EXPOSURE OF THE BODY OF THE CHILD TO THE LIGHTING

- Typical irradiance at 360° of 5 mW/cm² (about 80 μW /cm²/nm)
- 12 bars of blue LED treatment arranged in 2 semi-cylindrical hoods



SAFETY FOR THE CHILD PLACED ON A COMFORTABLE HAMMOCK for the duration of the therapy

- Removable and foldable front screen for easy access to the child on their slide-out bed
- Protective screens bordering the hammock
- Lateral windows for visual monitoring without interrupting the treatment



STORAGE SPACE FOR ACCESSORIES

- on the shelf and in the slide-out drawer
- Many accessories can be fastened to the standardised rail that goes around the cradle

EASY TO MOVE

- with 1 handle located at the rear of the device
- Stand equipped with 4 castor wheels of which 2 with a brake



CONTROL BOX

with eye-level screen for good visibility of the parameters and alarms

- **Programming** of exposure time
- **Time counter** for total usage time of the LEDs and of the device
- **Pause button** allowing the treatment to be suspended during intervention on the child

TEMPERATURE MONITORING WITH ASSOCIATED AUDIBLE AND VISUAL ALARMS

- **Skin temperature** of the infant: the high and low thresholds allow to prevent any risk of hypo or hyperthermia
- **Temperature of the inside air** of the cradle: the high threshold allow to limit the risk of hyperthermia

BUILT-IN PULSE OXIMETER (optional)

- Display on the control screen of the measurements of the SpO₂ and of the heart rate, Perfusion Index and indicators of the signal quality
- Audible alarms that can be adjusted according to high and low thresholds of the SpO₂ and of the heart rate

ACCESSORIES



EYEMAX GOGGLES

Médipréma recommends using Eyemax phototherapy goggles during the treatment



RADIOMETER

Médipréma recommends using the BabyBlue radiometer for irradiance controls as preventive maintenance

TECHNICAL SPECIFICATIONS

Light source	12 bars of blue LED treatment arranged in 2 semi-cylindrical hoods Class GRO device: no photobiological hazard
Luminous flux	Typical irradiance at 360° of 5 mW/cm ² (about 80 µW/cm ² /nm) Measured between 400 and 550 nanometres (active spectrum DIN 5031) with the BabyBlue radiometer at the centre of the device
Service life of the LEDs	> 50,000 h
Exposure surface	Maximum: 360° around the hammock
Hammock	- 60 x 30cm, polyester (OEKO-TEX Standard 100 Class I) - Slides out 75% - Max. infant weight + accessories: 10kg
Sound level	< 35 dB(A)
Programming of exposure time	Yes
Total LED usage time counter	Yes - verification message of the luminous flux every 10,000h
Pause button	Yes
Skin temperature monitoring	Yes - alarms for high and low skin temperature thresholds
Inside air temperature monitoring	Yes - alarm and pausing of the treatment if air temperature higher than 38°C
Built-in pulse oximeter measurement range (option)	- SpO ₂ : 70-100% - Heart rate: 18-321 bpm
Dimensions of the device LxWxH / Weight	83.3 x 64.5 x 141 cm / 54kg
Opening clearance of the upper hood	33 cm - cylinder mounted
Storage areas	Shelf: max 3kg Drawer: max 1kg
Mobility	4 castor wheels ø 75 mm, of which 2 with brakes
Power consumption	120 VA / 90 W
Power supply voltage	110-240V, 50/60Hz
Electrical classification	I, Type BF
Storage conditions	Ambient temperature between -10°C and 40°C Humidity: 20-90%
Operating conditions	Ambient temperature between 20°C and 32°C Humidity: 40-90%
CE 0459 93/42/EEC medical device	Class II a

For your accessory orders

Reference

360° phototherapy crib	o'bloo LED option	1950 (LED option)
Protection for the child's eyes required	Single-use phototherapy goggles, guaranteed latex-free: - Micro: head circumference from 20 to 25cm - Preemie: head circumference from 26 to 32cm - Regular: head circumference from 33 to 38cm	4165 4166 4167
Skin temperature monitoring	Reusable skin probe PT1000 Ready-to-use single-patient skin probe Repositionable hydrogel probe patch	3617 3623 3159
Preventive maintenance	BabyBlue radiometer recommended	5100