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Phototherapy lamp FL-2010



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is a new generation of high-performance phototherapy, designed using LED technology. It is intended for the treatment of hyperbilirubinemia in newborns. The light source consists of compact LED modules, which, thanks to special optics, increase the phototherapeutic power of the device while maintaining stable light output for at least 60,000 operating hours! It does not affect the patient's body temperature! Thanks to modern technology, it significantly shortens the treatment of neonatal jaundice and has excellent results that are verified by clinical practice.

The device is equipped with microprocessor control and is operated by means of a touch screen. To ensure maximum safety, the device is equipped with a patient body temperature monitor. An optical-acoustic signal is triggered when the temperature exceeds 38.5 °C. If the operator does not solve the problem of high patient temperature within 1 min, the device will automatically switch off. Using the timer, the optimum therapy time can be set. After the set time has elapsed, the device stops the therapy and informs the operator by an acoustic signal. The device allows working in intermittent mode (regular alternation of the light source on and off). The phototherapy lamp is equipped with a white neutral observation light. The operating hours counter records the time since the first start-up of the device and informs the operator about the next service check. The mobile stand is adjustable in height and can be positioned with a ball joint (with locking) in both horizontal and vertical planes



Technical parameters

▪ Device protection class	I	
▪ Device risk class:	IIa	
▪ Light sources	power LED modules	
▪ Light spectrum	450 – 460	nm
▪ Light output of the device (at a distance of 50 cm from the patient)	50	µW/cm2/nm
▪ Efficiency and lifetime	min 60 000	operating hours
▪ Working distance	45 - 90	cm
▪ Irradiated area (distance 50 cm)	600 x 300	mm
▪ Operating modes	continuous, intermittent timer from 10 min to 24 hours	
▪ Reserve light	neutral daylight, 4000	K
▪ Temperature monitor:	temperature sensor with an accuracy of ± 0.1 °C	
▪ Alarm	when temperature exceeds 38.5°C with automatic shutdown	
▪ Adjustable height, mobile stand	125-175	cm
▪ Dimensions	520 x 185 x 100	mm
▪ Supply voltage	230	V AC
▪ Power input	max. 40 / 75	W / VA
▪ Noise level of the device	max. 40	dB
▪ Weight of phototherapy	5,2	kg
▪ Weight of stand	17,5	kg



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