

OFN-02 NEONATAL PHOTOTHERAPY LAMP

Purpose:

OFN-02 Lamp is intended for efficient treatment of jaundice of the newborn without using additional medicines in the obstetrics institutions, perinatal centers, specialized centers and maternity and child protection research institutes. Use in the lamp of advanced light source – high-brightness LEDs of narrow range, allows increasing lamp life time duration without losing the power over 40 thousand hours. OFN-02 significantly surpasses respective characteristics of lamps by the whole range of medical technical indices.

Lamp operation principle is based on the irradiation of infant skin by light radiation in spectral range 450 – 500 nm (blue radiation), what leads to the decrease of bilirubin concentration in blood.

Advantages of OFN-02: – absence of side adverse effects inherent to lamp light sources – infant irradiation time is reduced by half

- long life time of the lamp
- two operating modes
- noiseless operation
- power consumption decrease
- large area of useful irradiation



Technical Specifications:

Light radiation spectral range	450 – 500 nm
Radiation power spectral density at distance 460 mm from the protective glass:	
Maximum, at least	40 mcW/cm ² nm
Average	20 mcW/cm ² nm
Continuous operation time	over 72 hours
Operation mode entering time	less than 10s
Irradiation useful area	660 cm ²
Overall dimensions:	
– illuminator	329x442x60
– pole	698x575x(1173-1523)
Weight:	10,5 kg
Power consumption:	30 VA
Safety class	Ila

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