

NEONATAL PHOTOTHERAPY UNIT CFL 101

EFFECTIVE • INTENSIVE • SLEEK



SLEEK and efficient ECONOMIC performance

PHOENIX makes pioneering use of six CFLs to provide intense blue light for effective treatment of neonatal hyperbilirubinaemia. Exchange transfusion rates in infants are drastically reduced by phototherapy.

FEATURES

CFLs

CFLs are smaller, concentrated sources of light energy compared with tubelights. The CFLs of the CFL 101 provide blue light at $\sim 30 \mu\text{W}/\text{cm}^2/\text{nm}$ and can provide an intensity of up to $40 \mu\text{W}$ at a distance of 35 centimetres. There is no undesirable UV radiation.

Focused blue light

Light from the CFLs is focused on the baby bed, avoiding scatter into the care-provider space. Unwanted stray radiation is eliminated.

Heat dissipation

Special vents are provided on the light unit to divert hot air and avoid undesirable warming of the baby.

Compatibility with other equipment

The tiltable light unit may be placed over any bed or incubator and used in combination with a radiant warmer or another CFL unit for additional intensity.

Optional features

The **CFL 101** comes optionally with four blue and two white lamps. The separately operated white lights may be used for examination of the infant.

A time totaller is provided to monitor lamp usage. An additional time totaller is an option that may be used for management of treatment.

PHOENIX endeavours to meet your every need. If your practice has any special requirement, call **PHOENIX**. We will be happy to provide you a solution.

CE 0123

CDSCO Registration No. : 000378 / 2020



Tiltable and height-adjustable light unit

T-shaped base slides conveniently under other equipment

Option 1
INFANT BASSINET BAS 100

Option 2
INFANT BASSINET BAS 101



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Technical Specifications

Irradiance (400 < λ < 550 nm) at 45 cm from light unit

Low setting (4 blue CFL) - 20.6 $\mu\text{W}/\text{cm}^2/\text{nm}$ ($\pm 25\%$)

High setting (6 blue CFL) - 23.5 $\mu\text{W}/\text{cm}^2/\text{nm}$ ($\pm 25\%$)

Lamps - Six blue CFL (standard)
- Four blue & two white CFL
(optional)

Height adjustment - 1190 mm (min) 1680 mm
(max)

Lamp unit rotation - $\pm 90^\circ$ continuously adjustable

Electric supply - 230v AC, 50 Hz (or) 110-120v
AC, 60 Hz
(Refer Rating plate)

Fuse (Fast Blow) - 2A for 230v AC (or) 4A for
110v AC

Weight - 20 kg

Wave length - 430 to 480 nm

Height of the T-base - 75 mm

Castors - 50 mm (2") lockable castors

Dimensions of the Light Unit

Length - 780 mm

Width - 680 mm

Height (max) - 1680 mm

Time totalizer range - 99999.9 hours

Machine run-time totalizer - Non-resettable

Therapy time totalizer - Resettable (optional)

Thermal cutoff - $90^\circ\text{C} \pm 10^\circ\text{C}$ (optional)

Lamp starting time - < 10 seconds

Noise level - < 60 dB(A)



Electrical Protection

Type of protection against electric shock	- Class 1
Degree of protection against electric shock	- Type B
Mode of operation	- Continuous
Protection against hazards of explosion	- Not protected
Protection against ingress of liquids	- Not protected (IPX0)

Coating

Epoxy powder coated for scratch resistance and rust protection.

Declaration of Medicinal Substances

By design, this product phototherapy unit CFL 101, does not incorporate any medicinal substances.