

Tende CareBlue

LED Phototherapy Device for Neonates

Tende CareBlue intensive LED phototherapy unit for treatment of neonates with high bilirubin levels.



First phototherapy unit with Color TFT Touch Screen Monitor

High-density light power with fan-free LED technology

5 levels of light intensity

Red focus light (for optimal coverage of the treatment area)

White examination light

User-friendly interface

Foldable screen

Audible and visual alarm

2 working modes (standard and timer mode)

Easy to use pneumatic height adjustment

Angle adjustment (360°)

Low power consumption

> 70.000h LED lifetime

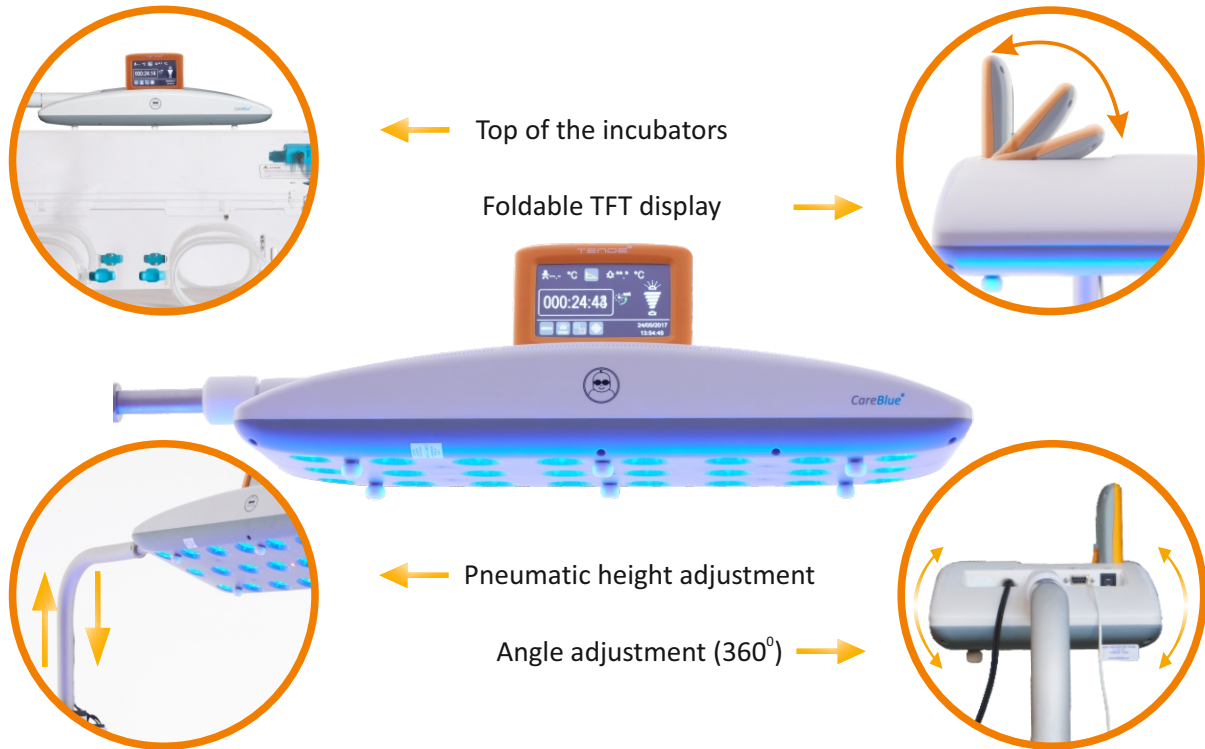
Counter of LED lifetime

Silent, lightweight, durable stand unit

Compatible with baby incubators, infant warmers, and bassinets

7 language options

Upgradable language menu



FEATURES

LIGHT SOURCE

Light Source	Blue LED (24 pcs, Super Bright LED)
Wavelength	460nm (± 2%)
Light Intensity (Standard)	Max. 60 $\mu\text{w}/\text{cm}^2/\text{nm}$ (±10%) Min. 15 $\mu\text{w}/\text{cm}^2/\text{nm}$ (±10%) (From 40 cm)
Intensive Light Intensity (Optional)	Max. 120 $\mu\text{w}/\text{cm}^2/\text{nm}$ (±10%) Min. 30 $\mu\text{w}/\text{cm}^2/\text{nm}$ (±10%) (From 40 cm)
Effective Area	45 cm x 20 cm (From 40 cm)
LED Life Time	> 70,000 Hours (Check the user manual for technical details)

ELECTRICAL SPECIFICATIONS

Operating Voltage	~80 - 264 VAC 50 /60 Hz (MDD Class/Safety)
Power Consumption	80 VA, Max 45 W

ENVIRONMENTAL REQUIREMENTS

Operating Temperature	15°C to 40°C
Operating R.Humidity	< 90%
Storage Temperature	~ -20°C to +50°C
Storage R. Humidity	< 90%

GENERAL


LCD Graphic Display	4.3 inches Color TFT Touch Screen
Dimensions L W H (Therapy Module)	~ 52.2 cm x 20.6 cm x 9.3 cm
Wheels	2/3 With Breaks
Height Adjustment	110 cm - 154 cm (± 2%)
Tilt Adjustment (with stand unit)	Yes
Wheel Height	~ 6.3 cm
Weight	~ 2.5 Kg (9.2 Kg With Stand Unit) (± 1%)
Noise Level	Zero dBA

APPLICATION

Treatment Time Adjustment	Yes (Hours and Minutes hhh:mm)
Visual Alarms	Yes
Audible Alarms	Yes
Light Intensity	5 Levels
Date & Time Display	Yes
LED Life Counter	Yes (Individual Level and Total LED Counters)
Baby Skin Temperature	Yes (Optional)
White LED examination lamp	Yes (Optional)

MEDICAL DEVICES DIRECTIVES (MDD)

Manufacturer MDD Conformity	Class IIb - Production Quality Assurance
Equipment Conformity	EN60601-1, EN60601-1-2, EN60601-2-50

 1984
 MDD 93/42/EEC ANNEX 2 / SEC 3
 ISO 13485
 ISO 9001

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