

Firefly   
phototherapy

LifeKit by **MTTS**



**PHILIPS**  
**LED**

**CE** 2265

# FIREFLY

A **double-sided phototherapy device** designed to treat **neonatal jaundice** with optional 2-hour battery back up.



## Overall

- compact form fits in an infant cart or mother's bed
- handholds facilitate easy portability
- tight seams to prevent dirt build-up
- curved surfaces for easy cleaning
- sealed to keep out bugs, dust, and liquids
- no moving parts, no internal fans
- optional 2h battery back up

### 1. Top Light

- fixed at the most clinically effective height
- slim form for easy patient observation
- curved top prevents placement of objects
- soft edges to protect infant during placement

### 2. Bottom Light

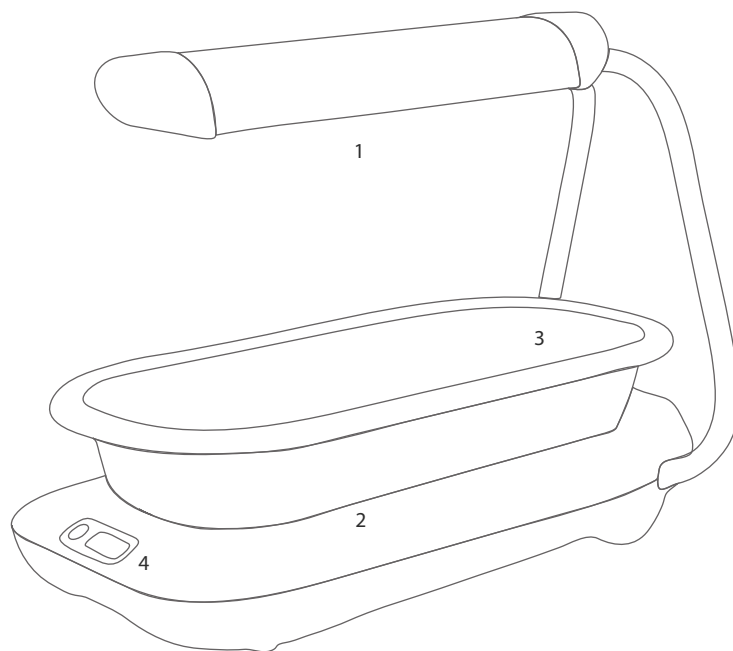
- durable thick-walled plastic
- tilted bottom directs heat off back edge of device

### 3. Bassinet

- comfortable handhold around the rim
- removable for patient transport and diagnostics
- smooth surface for quick wipe-down
- clear scratch-resistant plastic for easy observation

### 4. Control Panel

- single power button controls both lights
- single light intensity setting
- treatment hours and total device hours display



## Dimensions and Weight

Unit dimensions (overall)	66 cm x 38 cm x 49.5 cm
Unit dimensions (top light)	51.6 cm x 12.5 cm x 6.3 cm
Unit dimensions (bottom light)	64.7 cm x 38 cm x 10 cm
Shipping (boxed) dimensions	57 cm x 43 cm x 70 cm
Net weight	13 kg
Shipping weight	17 kg

## Performance Specifications

Type of LEDs	Philips LUXEON high-powered blue
Peak wavelength	440 to 460 nm
Lamp duration	60,000 hours
Average spectral irradiance	Top light - 40.0 $\mu\text{W}\cdot\text{cm}^{-2}\cdot\text{nm}^{-1}$ Bottom light - 66.0 $\mu\text{W}\cdot\text{cm}^{-2}\cdot\text{nm}^{-1}$
Effective surface area	Top light - 48 cm x 20 cm Bottom light - 48 cm x 20 cm
Irradiance uniformity ratio	Top light - 0.63 (IEC Compliant $\rightarrow$ 0.4) Bottom light - 0.64 (IEC Compliant $\rightarrow$ 0.4)

## Electrical and Environmental Specifications

Power characteristics	60W, 100-240VAC, 47/63Hz
Off-the-shelf	ANSI/AAMI/EN 60601-1, UL/TUV
External Power Supply	Class I construction is standard (ground required) 100k hours MTBF Energy star efficiency level V compliant Over voltage / over current protection
Operating	Ambient temperature: +10°C to +35°C Humidity: 0% to 90% RH non-condensing Atmospheric pressure: 70-106kPa Sealing: IPX3
Transport and Storage	Ambient temperature: 0°C to +50°C Humidity: 0% to 90% RH non condensing Atmospheric pressure: 70-106kPa
Exclusion	Not for use inside an incubator/radiant warmer

## Requirements

Agency Requirements	EN 60601-1:2006/AC2010	EN 60601-6:2010
	EN 60601-1-2:2007/AC2010	ISO 10993-Part 10
	EN 60601-2-50:2009	ISO 10993-Part 5

## Ordering Information and Servicing

MAIN UNIT	ITEM ORDER NO	
Firefly Unit	FF1-1000	Main Unit
ACCESSORIES	ITEM ORDER NO	
Eye Patch	YPT-1013	Size: Adjustable
Battery Back up	FF1-1020	Internal - 2h
Lightmeter	LM-800	
User Manual	FF1-1031/2/3/4/5	EN, VN, FR, SP, RU

WARRANTY		
Standard Warranty	1 year	Subject to MTTs policy

# MTTS

MEDICAL TECHNOLOGY TRANSFER AND SERVICES Co., LTD  
ISO 13485: 2016 Certified Company

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