

Lifelines Photic Stimulator

Ideal for photic activation during EEG studies

The Lifelines Photic Stimulator combines the brightness of a Xenon flash with the utility and ease of use of an LED device. The device has an equivalent lamp shape and brightness to the Grass PS33 whilst being smaller, lighter and more energy efficient by utilizing bright light LED technology.

The disadvantages of Xenon tube lamps are well known. They are heavy mains powered devices that are generally very expensive, whilst posing a potential safety hazard to the patient and operator.

Specifications:

- Single high-intensity LED and high-efficiency optics
- 100 mm diameter circular output, with optional front filter
- 900 lumens max output, 13,000 lux peak at 1 foot/li>
- Flash rate of 1 – 60Hz continuous, or single manual flash
- Variable flash intensity in 7 steps
- Variable flash duration 1 – 10ms and auto duty cycle
- Power supply either USB or 12 – 15V DC
- Single I/O connector providing USB power and control signals
- External power input 12 – 15V DC
- External trigger input
- RS232 control signals • Isolated trigger output signal
- On/Off switch easily accessible
- Weight : 350g, size : 130 x 130mm
- Mounting : M8 thread to take spigot and block or handle
- Arm with desk clamp or floor stand
- Coloured filters

Features & Benefits

The key features and benefits of the Lifelines Photic are as follows:

- Small, light and self-contained (only 1 box)
- This makes it very much easier to mount the unit on an arm for easy positioning
- Efficient
- Due to the inherent efficiency of modern LEDs, the unit can utilise low voltage DC as a power source
- No heat
- Due to the efficiency, little internal heat is generated. This allows the unit to operate continuously and without the use of a fan.
- No noise
- This has very significant physiological advantages in that there is no noise-induced artefact in the EEG.
- No Safety Hazards
- No heat and low power consumption means much simpler regulatory approval



Lifelines reserves the right to change the specifications of this product without notice in line with the company's policy of continual product development

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Interface Cables



Description	View	Part Nos.		Power	Control	Trigger	
		Lifelines	G&B			I/P	O/P
Photic Standard USB Cable 5m Provides USB power and control		1241	6881	USB	USB	USB	NONE
Photic Viasyrs Cable 5m. Provides ext. 15V power and ext. trigger input		1242	6882	Ext 15V	Ext PMW	Ext Hirose	D26
Photic USB Plus D-26 Trig I-O Cable 5m (USBIFB) or NK Provides USB power & external trigger input & non-isolated output on D26 suitable for USBIFB (I/P) or Adaptor cable (I/P or O/P) (see below)		1269	6889	USB	USB	USB or Ext D26	D26
Photic NK Cable 5m Provides USB power/control and NK trigger output on MiniDIN connector. NB. Can be used instead of 1269 + 1270		1309	51226	USB	USB	USB	MiniDIN
ADAPTERS							
Photic D-26 NK Adaptor Cable 0.5m Covers 1269 into MiniDIN output		1270	6900	USB	USB		MiniDIN
Photic D-26 BNC Adaptor Cable 2.5m Converts 1254 or 1265 or 1269 into BNC input		1260	6892	USB	USB	USB or BNC	
Photic Keyhole Trig O/P Cable 2.5m (jack) Provides a 75mV isolated tick mark for connection to Amp via 3.5mm jack plug		1248	81000476				Jack
Photic Keyhole Trig O/P Cable 2.5m (touchproof) Provides a 75mV isolated tick mark for connection to Amp via touchproof plugs		1251	81000477				T'proof
Photic D-26 Xltrex Trex Adaptor Cable 5m Covers 1269 into Hirose output		1331	51241	USB	USB	USB or Hirose	Hirose
Photic D-26 Twin BNC Trigger I/O 0.2m Converts 1269 to twin BNC trigger I/O		1334	51244	USB	USB	USB or BNC	BNC
Photic D-26 Xltrex Brain Unit Adaptor Cable 0.5m Covers 1269 into PS2 I/O		1332	51242	USB	USB	USB or PS2	PS2
Photic D-26 Xltrex 32U Adaptor Cable 5m Covers 1269 into PS2 I/O		1330	51240	USB	USB	USB or PS2	PS2
Photic D-26 Dantec Focus Adapter Cable 0.2m Converts 1269 into D9 I/O		1333	51243	USB	USB	USB or D9	D9

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V 05 2018