



## PALCO 3 MOBILE

A powerful light beam, similar to the Palco 3 (2,800 Lumens), and the same possibility of creating an endless range of colours for highlighting all kinds of areas, shapes and structures. With **PALCO 3 MOBILE**, the advantages of a great LED fixture (flexibility, reliability and extremely easy installation) are combined with great manoeuvrability, thanks to its particularly wide Pan (0° / - 305°) and Tilt (0° / - 93°). The fixture's Pan and Tilt movement are motorized and controllable via DMX or by means of an optional remote controller.

This makes it extremely versatile, able to fit in absolutely anywhere, and particularly useful in situations in which it is necessary to increase light source mobility to obtain dynamic lighting effects. The fact that it has no fans or cooling systems ensures absolutely silent operation.

**PALCO 3 MOBILE** also has absolute encoders, able to ensure that the fixture is always positioned exactly as required.

### 01: LED'S - THE LIGHT SOURCE THAT MAKES THE DIFFERENT

LEDs offers a series of unbeatable advantages over conventional light sources: they have a life of over 100.000 hours at full power; with practically non-existent maintenance.

They generate light that does not emit ultraviolet rays (which are potentially dangerous) nor infrared rays, thus avoiding heating or damaging the objects being illuminated.

All this with considerable energy saving and incomparable colour rendering: for example, the red's intensity is the same as that of a 750W halogen lamp, but consumes less than 100W.

LEDs therefore offer a highly competitive ratio between low consumption and very high efficiency, which also means lower environmental impact.

### 02: RGB / COLOUR TEMPERATURE

Additive RGB colour mixing, obtained using a matrix of 24 red, 18 green and 7 blue LEDs, offers an endless range of colour combinations, from the deepest to the softest colours, with an effective control of their tone. Colour temperature is 6.000°K and can be varied in a linear manner, directly on the fixture, according to needs.

### 03: INTERCHANGEABLE LENSES

**Palco 3 Mobile's** luminosity is very high 2.800 lumens is currently unparalleled in the LED lighting sector.

The five interchangeable lenses (8°, 25°, 40°, elliptical 10° x 22° vertical and horizontal) offer various projection angles and allow **Palco 3 Mobile** fixtures to be used at different distances from the objects to be illuminated.

**04: SILENT RUNNING**

The extraordinary efficiency of **SGM LED LINE** fixtures is absolute silent. In fact, without the use of any kind of forced ventilation, cooling is carried out via convection, by means of the units' rear finning. An electronic self-regulating temperature system ensures continuous operation even in extreme conditions

**05: TOTALLY INDEPENDENT OPERATION**

**SGM LED LINE** fixtures are completely programmable and can be run without the need for any external controller. In 'stand-alone' mode, i.e. using just their on-board microcomputer, it's possible to form systems consisting in several fixtures, up to a maximum of 30 (with 1 'MASTER' and 29 'SLAVES'), which can be programmed independently. The fixtures can also be controlled via computer, or using a DMX control system (such as SGM's REGIA 2048 console). In this case, it's possible to connect dozens of fixtures and control them simultaneously via DMX.

**06: CONTROL**

**Palco 3 Mobile** functions can be controlled via USITT Standard DMX 512 serial digital signal or RS 232 serial signal.

**Palco 3 Mobile** transmits and receives on 13 DMX channels.

**07: PLAYBACK PROGRAMMING FOR A WHOLE WEEK**

The on-board menu offers an extremely interesting function for scenographic architectural lighting applications: the possibility of running the completely automatic playback of a series of 48 'events' previously programmed on the fixture and organized to be run one after another over a period of a week.

Each event can include different settings of luminous intensity and colour mixing, shutter effects (strobe, pulse, random strobe), macro (rainbow, random colour), etc.

The order, the precise instant in which they begin, and the duration of each event can be accurately programmed for 7 days directly on the fixture.

**08: FUNCTION MENU**

**Palco 3 Mobile** has a multi-function menu which is used to:

- configure fixtures according to requirements
- input "standalone" programs
- perform self-tests
- report operational status information.

The menu is accessed by means of a user-friendly interface with a 10-digit display. The on-board software can be upgraded via DMX.

**09: INSTALLATION**

**Palco 3 Mobile** has unusual, particularly stylish lines that enable it to discreetly fit into the surroundings and harmonically adapt to the architectural elements and settings to be lit.

**Palco 3 Mobile** is preset for various types of installation:

- Floor or wall-mounted by means of four holes on its base, using M6 screws.
- Flown from trussing - even upside down - (by fitting a clamp to the four Fast-Lock holes on its base).
- Floor-standing (on flat surfaces), maintaining utmost stability with any head angle.

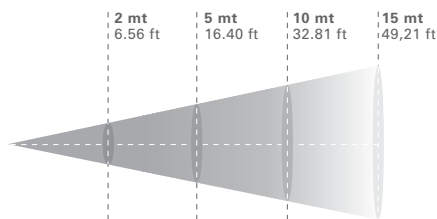
**Palco 3 Mobile's** head can be inclined vertically or horizontally, in order to best adapt to the areas and architectural elements to be illuminated. Pan: 0° - 305°; Tilt: +0° / -93°.

**CHANNELS DMX**

**PALCO 3**

<b>Ch1</b>	<b>Strobo/Shutter</b>	Various shutter effects (strobe, random-strobe, pulse, at various speeds).
<b>Ch2</b>	<b>Dimmer</b>	Linear 0-100% regulation of luminous intensity.
<b>Ch3</b>	<b>Red</b>	Linear 0-100% regulation of red saturation.
<b>Ch4</b>	<b>Green</b>	Linear 0-100% regulation of green saturation.
<b>Ch5</b>	<b>Blue</b>	Linear 0-100% regulation of blue saturation.
<b>Ch6</b>	<b>CTC</b>	Linear 0-100% regulation of colour temperature.
<b>Ch7</b>	<b>Macro</b>	Various scenes with preset colour effects.
<b>Ch8</b>	<b>Color Mode</b>	Customizable white balance.
<b>Ch9</b>	<b>Pan - H</b>	Pan 8 bit Hight.
<b>Ch10</b>	<b>Pan - L</b>	Pan 16 bit Hight.
<b>Ch11</b>	<b>Tilt - H</b>	Pan 8 bit Hight.
<b>Ch12</b>	<b>Tilt - L</b>	Pan 16 bit Hight.
<b>Ch13</b>	<b>M Speed</b>	Movement speed.

**PALCO 3 MOBILE**  
Total Lumen 2.800



	2 mt 6.56 ft	5 mt 16.40 ft	10 mt 32.81 ft	15 mt 49.21 ft
<b>8°</b>				
Lux center (boost on)	13600	2240	560	249
Foot candles (boost on)	8500	1400	350	156
Lux center (boost off)	12240	2016	504	224
Foot candles (boost off)	7650	1260	315	140
Field size (m)	0,35	0,87	1,75	2,62
Field size (ft)	1,15	2,87	5,74	8,61
<b>25°</b>				
Lux center (boost on)	2400	440	110	49
Foot candles (boost on)	1500	275	69	31
Lux center (boost off)	2160	396	99	44
Foot candles (boost off)	1350	248	62	28
Field size (m)	0,89	2,22	4,43	6,65
Field size (ft)	2,91	7,27	14,55	21,82
<b>40°</b>				
Lux center (boost on)	864	163	41	18
Foot candles (boost on)	540	102	26	11
Lux center (boost off)	778	147	37	16
Foot candles (boost off)	486	92	23	10
Field size (m)	1,68	4,20	8,39	12,59
Field size (ft)	5,51	13,76	27,53	41,29
<b>10° x 22°</b>				
Lux center (boost on)	5840	963	241	107
Foot candles (boost on)	3650	602	151	67
Lux center (boost off)	5256	867	217	96
Foot candles (boost off)	3285	542	135	60
Field size axys A (m)	0,35	0,88	1,76	2,64
Field size axys A (ft)	1,16	2,89	5,79	8,68
Field size axys B (m)	0,81	2,02	4,04	6,06
Field size axys B (ft)	2,66	6,63	13,26	19,88

**SPECIFICHE**

**Colour mixing**

**PALCO 3 MOBILE**

**Luxeon Blue LEDs**

RGB

**Luxeon Green LEDs**

7 3W

**Luxeon Red LEDs**

18 3W

**Luminous flux**

24 1W

**Colour temperature**

2800 Lumens

**Consumption**

6.000 °K (variable)

**LEDs life (hours)**

160W

**Interchangeable lenses**

100.000 at maximum power

**Power supply full range**

8°, 25°, 40°

**DMX channels**

AC 90-270V, 50-60Hz

**Interface**

I3

**Internal microcomputer**

LED display 3 buttons

**Pan**

Large function menu.

**Tilt**

Software updatable via DMX

**Motorized Pan e Tilt**

0° - 305°

**Insulation degree**

0° - 93°

**Dimensions cm (LxDxH)**

Motorized Pan e Tilt.

**Weight Kg**

Movement controlled via a dedicated

**Codes**

IR control unit or DMX.

**IP 33**

**IP 33**

**Dimensions cm (LxDxH)**

48,5 x 37,5 x 22,9

**Weight Kg**

15,5

**Codes**

020\_2750 (with 8° lens)

020\_2752 (with 25° lens)

020\_2754 (with 40° lens)

020\_2756 (with 10°x22° vertical elliptical lens)

020\_2758 (with 10°x22° horizontal elliptical lens)