



PALCO 5

PALCO 5 is one of the most powerful fixtures in SGM's range of LED colourchangers: its matrix includes K2 LEDs (12 blues, 13 reds and 24 greens), so it has greater luminous power (4,500 Lumens) than any other fixture of the same size.

PALCO 5 has the typical refined design of SGM's entire range of Palco fixtures and projects a light beam able to create, as required, walls of even light or soft washes on walls even at a considerable distance and on much larger facades.

It is a reliable specialized unit, ideal for architectural illumination in locations with various different features, long cornices and large sites, and at the same time ensures endless creative possibilities.

Top grade operation is combined with protection to IP 55, surprisingly low power consumption and DMX wireless connection, able to ensure signal reception at a distance of over 500 metres.

PALCO 5 is also available in a White LED version, with 36 white and 13 amber LEDs.

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 13 red, 24 green and 12 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 6.500°K and can be varied in a linear manner, directly on the fixture, according to needs.

03: WHITE LED / COLOUR TEMPERATURE

Temperature colour between 2.000°K and 6.700°K, obtained with a LED matrix: 36 whites and 13 ambers, ensures unlimited possibilities of tones of white, from the warmest the coolest. Linear temperature colour adjustment can be carried out directly on the fixture, according to requirements.

04: INTERCHANGEABLE LENSES

PALCO 5's luminosity is very high, 4,500 RGB and 4.800 WHITE LED umens 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 5** fixtures to be used at different distances from the objects to be illuminated.

05: 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.

06: 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.

07: CONTROL

PALCO 5 functions can be controlled via USITT Standard DMX 512 serial digital signal or RS 232 serial signal.

PALCO 5 transmits and receives on 8 DMX channels:

08: WIRELESS DMX

PALCO 5 is also fitted as standard with a DMX wireless connection: thanks to AFHSS-based technology, it can recognize transmission signals within a radius of over 500 metres.

09: 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.

10: FUNCTION MENU

PALCO 5 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.

11: INSTALLATION

PALCO 5 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. For optimum installation flexibility, the unit's head can be removed from the rest of the body. **PALCO 5** 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 5 is suited to indoor and outdoor installation, as it's protected to IP65 (certified by Istituto Giordano S.p.A.). **PALCO 5**'s head can be inclined vertically or horizontally, in order to best adapt to the areas and architectural elements to be illuminated.

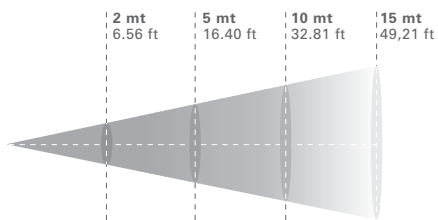
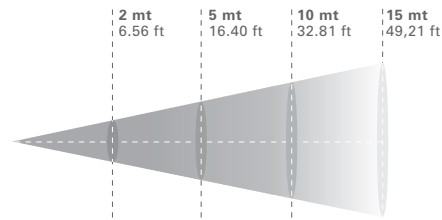
Pan: +/- 45°; Tilt: +15° / -75°.

CHANNELS DMX

PALCO 5	
Ch1	Strobo/ Shutter Various shutter effects (strobe, random-strobe, pulse, at various speeds).
Ch2	Dimmer Linear 0-100% regulation of luminous intensity.
Ch3	Red Linear 0-100% regulation of red saturation.
Ch4	Green Linear 0-100% regulation of green saturation.
Ch5	Blue Linear 0-100% regulation of blue saturation.
Ch6	CTC Linear 0-100% regulation of colour temperature.
Ch7	Macro Various scenes with preset colour effects.
Ch8	Color Mode Customizable white balance.

PALCO 5 WHITE LED

PALCO 5 WHITE LED	
Strobo/ Shutter	Various shutter effects (strobe, random-strobe, pulse, at various speeds).
Dimmer	Linear 0-100% regulation of luminous intensity.
White 1	Linear 0-100% regulation of white saturation.
White 2	Linear 0-100% regulation of white saturation.
Amber	Linear 0-100% regulation of amber saturation.
CTC	Linear 0-100% regulation of colour temperature.
Macro	Various scenes with preset colour effects.
Color Mode	Customizable white balance.

PALCO 5
Total Lumen 4.500**PALCO 5 WHITE LED**
Total Lumen 4.800

8°	Lux center (boost on)	13145	3346	837	372
	Foot candles (boost on)	1221	311	78	35
	Field size (m)	0,35	0,87	1,75	2,62
	Field size (ft)	1,15	2,87	5,74	8,61

25°	Lux center (boost on)	3585	657	164	73
	Foot candles (boost on)	333	61	15	7
	Field size (m)	0,89	2,22	4,43	6,65
	Field size (ft)	2,91	7,27	14,55	21,82

40°	Lux center (boost on)	1291	244	61	27
	Foot candles (boost on)	120	23	6	3
	Field size (m)	1,68	4,20	8,39	12,59
	Field size (ft)	5,51	13,76	27,53	41,29

10° X 22°	Lux center (boost on)	8724	1439	360	160
	Foot candles (boost on)	810	134	33	15
	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	

8°	Lux center (boost on)	14125	3955	989	439
	Foot candles (boost on)	1312	367	92	41
	Lux center (boost off)	13005	2142	536	238
	Field size (m)	0,35	0,87	1,75	2,62
Field size (ft)	1,15	2,87	5,74	8,61	

25°	Lux center (boost on)	4238	777	194	86
	Foot candles (boost on)	394	72	18	8
	Lux center (boost off)	2295	421	105	47
	Field size (m)	0,89	2,22	4,43	6,65
Field size (ft)	2,91	7,27	14,55	21,82	

40°	Lux center (boost on)	1526	288	72	32
	Foot candles (boost on)	142	27	7	3
	Field size (m)	1,68	4,20	8,39	12,59
	Field size (ft)	5,51	13,76	27,53	41,29

10° X 22°	Lux center (boost on)	10311	1701	425	189
	Foot candles (boost on)	958	158	39	18
	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)	2,65	6,63	13,26	19,88	

SPECIFICATIONS**Colour mixing****K2 Blue LEDs****K2 Green LEDs****K2 Red LEDs****K2 Amber LEDs****K2 White LEDs****Luminous flux****Colour temperature****Consumption****LEDs life (hours)****Interchangeable lenses****Power supply full range****DMX channels****Interface****Internale microcomputer****Pan****Tilt****Insulation degree****Dimension cm (LxDxH)****Weight Kg****Codes****PALCO 5**

RGB

12 4,5W

24 4,5W

13 4,5W

-

-

4.500 Lumens

6.500 °K (variable)

300W

50.000 at maximum power

8°, 25°, 40°

Elliptical 10°x22° vertical

Elliptical 10°x22° horizontal

AC 90-270V, 50-60Hz

8 - Wireless DMX interface as standard - Outdoor antenna and extension cable as standard

LED display 3 buttons

Large function menu.
Software updatable via DMX

+/- 45°

+15°, -75°

IP55

42,5 x 37,5 x 22,9

13,5

020_2426 (with 8° lens)
 020_2428 (with 25° lens)
 020_2429 (with 40° lens)
 020_2427 (with 10°x22° vertical elliptical lens)
 020_2430 (with 10°x22° horizontal elliptical lens)

PALCO 5 WHITE LED

RGB

-

-

-

13 3W

36 4,5W

4.500 Lumens

6.500 °K (variable)

300W

50.000 at maximum power

8°, 25°, 40°

Elliptical 10°x22° vertical

Elliptical 10°x22° horizontal

AC 90-270V, 50-60Hz

8 - Wireless DMX interface as standard - Outdoor antenna and extension cable as standard

LED display 3 buttons

Large function menu.
Software updatable via DMX

+/- 45°

+15°, -75°

IP55

42,5 x 37,5 x 22,9

13,5

020_2444 (with 8° lens)
 020_2443 (with 25° lens)
 020_2446 (with 40° lens)
 020_2447 (with 10°x22° vertical elliptical lens)
 020_2448 (with 10°x22° horizontal elliptical lens)