**Palco**

**Optical revolution**

**Year: 2012**

**Design:Artec3 studio**

Palco is an aluminium spotlight created specifically for museum lighting. It has a gentle, stripped-down design featuring a flexible "shell" containing a number of technical breakthroughs and the most up-to-date technology. The result is a light that reveals the intimate essence of each and every work of art. The luminaire offers a vast range of conventional and LED Module lamps, a high Colour Rendering Index of over 96, low consumption levels, and a rich and versatile range of internal and external accessories that can be installed simultaneously. These are the main characteristics of a product that enables lighting scenarios and colour ranges to be personalised to the highest degree.

Palco uses special sector optics for LEDs and innovative Opti Beam optics to optimize the light flow from traditional lamps. These characteristics guarantee maximum visual comfort, no colour aberration (light dispersion) or multi-shadow effects and excellent photometric performance thanks to the use of COB LED modules that consist of a matrix of individual LEDs installed on a single board.

Three versions of the luminaire are available (Spotlight, Wall Washer – for optimum vertical light distribution - and Profiler, for creating luminous shapes with sharp, precise edges), in two finishes (white and black) and a range of sizes, including diameters of 62 mm, 86 mm, 102 mm, 122 mm and 142 mm.

Palco can also be track-mounted and ceiling-mounted with the relevant base accessory that allows it to be rotated by 360° around the vertical plane and tilted by 90° in relation to the horizontal plane. All movements can also be mechanically locked to secure aiming.

Fitted with a DALI (Digital Addressable Lighting Interface) driver for smart lighting management, this product is versatile and ideal for illuminating museum and retail environments.

**The Palco family also features** Palco In&Out and Palco Low Voltage, the latest innovation in the range. More specifically, Palco Low Voltage is a miniaturisation system that combines the technological innovation of latest generation LEDs with advanced research into materials, optics and applications that take full advantage of every precious millimetre and eliminate any superfluous space. This system has enabled the company to extend its collection of micro-dimension Palco spotlights and profilers, while maintaining the performance levels of the other products in the range. Palco Low Voltage also stands out for its size range, which includes diameters measuring 51mm, 35 mm and 19mm, its excellent colour quality (IRC>90), multiple optics, the sharpness of its beam and an extraordinary level of visual comfort, created by Opti Beam optic technology that produces a clearly defined beam with no double-ring effect. Available in three versions (Spotlight, Wall Washer – for optimum vertical light distribution - and Profiler, for creating luminous shapes with sharp, precise edges), and in two finishes (white and black) the system guarantees minimal, essential lighting that is ideal for museum, retail and hospitality&living contexts.

**Palco has been used in a number of different international lighting projects** including the Scrovegni Chapel in Padua, Italy (2017), Leonardo’s The Last Supper in Milan, Italy (2016), the Stavros Niarchos Foundation Cultural Centre in Athens, Greece (2016); the Fine Arts Museum in Lyon, France (2016), the Grimm Brothers Museum in Kassel, Germany (2015); the Alfa Romeo Museum in Arese, Italy (2015); the Asturia Fine Arts Museum in Oviedo, Spain (2015); the Soulages Museum in Rodez, France (2014) and the Eiffel Palace in Budapest, Hungary (2014).

**Palco technical specifications – spotlight version**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Performance** | **Ø 62 mm** | **Ø 86 mm** | **Ø 102 mm** | **Ø 122 mm** | **Ø 142 mm** |
| Technology | Opti Beam Lens\*/ Opti Beam Reflector | Opti Beam Lens\*/ Opti Beam Reflector | Opti Beam Lens\*/ Opti Beam Reflector | Opti Beam Lens\*/ Opti Beam Reflector | Opti Beam Reflector |
| Optic | 9°\*-10°- 26° | 7°\*- 16°- 31°- 53° | 6°\*-12°- 20°- 38°-46° | 4°\*-10°- 18°- 28°- 42° | 6°-16°- 30°- 46° |
| Colour temperature/CRI | 3000K 4000K  CRI 90 CRI 80 | 3000K 4000K  CRI 90 CRI 80 | 3000K 4000K  CRI 90 CRI 80 | 3000K 4000K  CRI 90 CRI 80 | 3000K 4000K  CRI 90 CRI 80 |
| Power W | 11W/15W/19W | 11W/21W/28W | 5,7W/16W/20W | 10W/23W/31W | 19W/35W/46W |
| Nominal flux lm | From 800 to 2000 lm | From 800 to 3000 lm | From 480 to 2100 lm | From 760 to 3000 lm | From 1500 to 5000 lm |
| Accessories | Refractor for medium extensive elliptical distribution, refractor for elliptical distribution for Opti Beam Lens, “Soft Lens” filter, Honeycomb louvre, Cylindrical screen, Directional flaps, Opti Beam refractors, interchangeable Opti Beam reflectors | Refractor for medium extensive elliptical distribution, refractor for elliptical distribution for Opti Beam Lens, “Soft Lens” filter, Honeycomb louvre, Cylindrical screen, Directional flaps, Opti Beam refractors, interchangeable Opti Beam reflectors | Refractor for medium extensive elliptical distribution, refractor for elliptical distribution for Opti Beam Lens, “Soft Lens” filter, Honeycomb louvre, Cylindrical screen, Directional flaps, Opti Beam refractors, interchangeable Opti Beam reflectors | Refractor for medium extensive elliptical distribution, refractor for elliptical distribution for Opti Beam Lens, “Soft Lens” filter, Honeycomb louvre, Cylindrical screen, Directional flaps, Opti Beam refractors, interchangeable Opti Beam reflectors | Refractor for medium extensive elliptical distribution, refractor for elliptical distribution for Opti Beam Lens, “Soft Lens” filter, Honeycomb louvre, Cylindrical screen, Directional flaps, Opti Beam refractors, interchangeable Opti Beam reflectors |

\*These values refer to 3000 K

**Palco technical specifications - wall washer version**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Performance** | **Ø 86 mm** | **Ø 102 mm** | **Ø 122 mm** | **Ø 142 mm** |
| Technology | Opti Beam Reflector | Opti Beam Reflector | Opti Beam Reflector | Opti Beam Reflector |
| Optic | Wall Washer | Wall Washer | Wall Washer | Wall Washer |
| Power W | 21W-28W | 16W-20W | 23W-31W | 35W-46W |
| Colour temperature/CRI | 3000K 4000K  CRI 90 CRI 80 | 3000K 4000K  CRI 90 CRI 80 | 3000K 4000K  CRI 90 CRI 80 | 3000K 4000K  CRI 90 CRI 80 |
| Nominal flux lm | 3000 lm | 2000lm;2100 lm | 3000 lm | 5000 lm |

**Palco technical specifications - profiler version**

|  |  |  |
| --- | --- | --- |
| **Performance** | **Ø 99 mm** | **Ø 115 mm** |
| Technology | Opti Beam Reflector | Opti Beam Reflector |
| Optic | Profiler | Profiler |
| Power W | 21W | 31W |
| Nominal flux lm | 2000 lm | 3000 lm |
| Colour temperature/CRI | 3000K/CRI 90 | 3000K/CRI 90 |
| Accessories | Metal Gobo, Slide, Iris, Shaper, Personalised gobo | Metal Gobo, Slide, Iris, Shaper, Personalised gobo |

For more information please visit

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