

Palco

Optical Accuracy

Year 2017/2019 / **Design** artec3 Studio /

Topics indoor product, miniaturization, OptiBeam technology



Palco, designed for museum lighting, is an aluminium spotlight with a sleek, clean-cut design: a flexible housing encompassing highly advanced technical features.

The Palco range has been expanded in 2017 to include a micro-category featuring diameters of 19mm, 37mm and 51mm. In 2018, following the introduction of the low voltage track version, the product family was further expanded to include the surface-mounted and recessed versions with remote or integrated driver and luminous flux levels ranging between 160 and 2430 lumens.

The miniaturisation, a distinctive feature of Palco, applies to both the luminaire and its components. The latest generation LED technology, together with the study of materials, optics and applications, have allowed iGuzzini to use every single millimetre, eliminating any superfluous space.

The Opti Beam technology optics achieves a well-defined beam, free of double-ring effects, while providing extraordinary visual comfort. The LEDs used are within a 2-step MacAdam ellipse to ensure colour consistency and the luminaires are geared for spot, medium, and flood distributions. They can be fitted with up to two accessories simultaneously. Double adjustability (+/- 90°/ 355°) and a vast array of possible combinations – whilst maintaining the same distance between products – complete the features characteristic to the recessed and surface-mounted Palco luminaires.

The different installation options – either on a 48V Low Voltage track with integrated DC / DC converter that disappears into the adapter, or ceiling- and wall-mounted with integrated or remote driver for the recessed and surface versions – make Palco the ideal lighting solution for retail spaces, museums, and hospitality & living settings.

Palco can be turned into a profiler, at diameters of 19 mm and 37 mm (for the low voltage track version – referred to as Low Voltage) and of 90 mm and 115 mm (for the mains voltage track version). The patented lens allows high luminous density and efficiency thanks to the use of CoB LEDs combined with a patented collimating element obtained using a tele-centric lens-based reflector that emits a very precise beam, free of chromatic aberration. The 37mm version has a magnetic coupling between the rear part and the optical compartment. The Shape&Twist functionality allows manual and gradual adjustment of the light beam in round and square shapes, achievable using metal gobos and outer flaps, respectively. Available in a wide range of power ratings, with luminous flux levels ranging from 160 to 3400 lumens, the luminaire is ideal for museums and retail environments.

Palco is part of the Palco range.

Products in the Palco range: Palco, Palco Low-Voltage track, Palco recessed/surface with remote driver, Palco recessed/surface with integrated driver, Palco InOut and Palco InOut Framer.

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Palco Low Voltage Profiler was awarded the **German Design Award**, one of the world's most prestigious design awards (2018); **Palco Low Voltage** was part of the ADI Design Index 2017 selection and **won the "Innovation Award"** 2018 from COTEC Foundation "for the miniaturised design which – by incorporating the latest generation LED technology and outcomes of the study of materials and optics – is able to guarantee the high performance characteristics of this range of spotlights and profilers".

Palco has been installed in Centro Botin, in Santander, Spain (Renzo Piano design), and in the Cappella Sansevero, in Naples, Italy. The track-mounted Palco Low Voltage has been installed in the Furla Store, Milan, Italy, and in the Tous Jewellery store in Madrid, Spain.

Technical specifications

Palco recessed/ surface-mounted remote driver

Optic 12°- 16°- 24°- 42°- 44° / **System power** (W) from 2 to 36 / **System luminous flux** (lumen) from 107 to 1653 / **Colour temperature** K 2700-3000

Palco surface-mounted integrated driver

Optic 42°- 44° / **System power** (W) from 9 to 42 / **System luminous flux** (lumen) from 364 to 1653 / **Colour temperature** K 2700-3000

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