

ROYALED CANDLE

FOR CANDALABRA AND CHANDELIER



Lighting of museum interiors, palaces, churches, mosques and historic buildings, must meet very specific requirements. Usually the aim is to achieve a scene which resembles the original natural source of lighting to the greatest possible extent. The colour of the light, the colour accuracy, the light distribution, but also the appearance of the light source are the most important criteria.

Authentic

Visually the RoyaLED Candle closely resembles an authentic candle. The size and the shape of the flame are virtually identical to that of a candle. Hence the light image and the beam angle of the RoyaLED Candle is the same as that of an authentic candle (360° range). Moreover, our LED candle offers the option to choose between a static flame or a flame with an optically realistic-looking "flame movement" which completes the authentic experience of the fitting. With a light colour of 2,385K there is no difference to a real candle. With a CRI (Ra) of 96, the colour authenticity approaches the perfect colour authenticity of a light bulb.

Adjustable light intensity and dimmable

The LED candle can be adjusted to five different capacities. Moreover the candle is completely dimmable and can be infinitely adjusted from 0-100%, depending on the desired light intensity in the area where the fitting is positioned. The patented convection cooling system is also incorporated in the RoyaLED's Candle's unique design, which radiates a natural warmth. This means, by the way, that chandeliers with the RoyaLED Candles no longer only serve a specific area, but also have a new function (possibly lighting for work). Hence the function of the space with that form of lighting is no longer restricted and supplemental lighting in many cases is no longer required.

Safety, lifespan and maintenance

By using LED candles the voltage used is reduced from 230 Volts to 12 Volts. Hence the danger on physical contact has been eliminated and it is safe for people to touch the light source. Moreover, by applying a low voltage, there is no danger of fire due to a short circuit in the system. The RoyaLED Candle combines the aesthetic and the historical values of authentic candles and traditional electric candles (light colour and light intensity) with the advantages of LED technology. The long lifespan of the light source means the LED is of added value. The LED candle has over 50,000 burning hours without any significant loss of light yield. Consequently maintenance no longer plays a role.

DMX 512 protocol over a 2-wired powerline

The RoyaLED Candle can simply replace the existing filament bulbs and halogen candles in chandeliers. The DMX 512 data is sent via a specially developed power converter through the candle's 2-wired power line. This means the candle has extensive dimming and regulating possibilities without having to make any further changes to the fitting.

