The European Market For Lighting Controls and IoT

Description: This Report aims to provide figures and trends for the European market for lighting controls, analysing the sector performance, the competitive system, market drivers and major market players.

The study has been produced on the basis of around 20 direct interviews and overall documentation relating to the lighting industry available both online and offline + a database of roughly 1,000 worldwide manufacturers operating in the lighting industry.

Product segmentation included: residential, commercial, industrial and outdoor lighting controls applications. Subcategories of the mentioned segments have also been investigated (offices, hotels, private homes, shops, industrial plants, hospitals, urban landscape and streets...).

The following technologies have been investigated: user interfaces (including sliders, dimmers, touch panels, remote controls, timers and standard control panels), sensors (including presence, occupancy, movement and light sensors) and control modules (including relay panels, group controllers, scene controllers and DMX controllers).

Fixture mounted (including all devices mounted on the fixtures or luminaries), wall mounted (including ceiling mounted) and integrated building automation system (BAS) are some of the product sectors examined in this research.

Further analysis on protocols used (DALI, DMX, etc.) is also included.

Geographical coverage: in-deep analysis for 16 West European countries (around 85% of the market value), overview on Central-East Europe, Russia, Middle East and North Africa (15%).

Lighting control systems are used for working places, aesthetic, and security illumination for interior, exterior and landscape lighting, and theatre stage lighting productions.

They are often part of sustainable architecture and lighting design for integrated green building energy conservation programs.

A major advantage of a lighting control system over conventional individual switching is the ability to control any light, group of lights, or all lights in a building from a single user interface device. Any light or device can be controlled from any location.

This ability to control multiple light sources from a user device allows complex “light scenes” to be created. A room may have multiple scenes available, each one created for different activities in the room. A lighting scene can create dramatic changes in atmosphere, for a residence or the stage, by a simple button press.

In landscape design, in addition to landscape lighting, fountain pumps, water spa heating, swimming pool covers, motorized gates, and outdoor fireplace ignition; it can be remotely or automatically controlled.

Other benefits include reduced energy consumption and power costs through more efficient usage, longer bulb life from dimming, and reduced carbon emission.

Newer, wireless lighting control systems provide additional benefits including reduced installation costs and increased flexibility in where switches and sensors can be placed.

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