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Global Human Centric Lighting Market Value and Volume: Focus on Component (Fixture & Controls), Applications - Analysis and Forecast (2017-2024)

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Abstracts

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The evolution of smart technology has considerably changed the overall lighting industry in terms of energy and money saving and has improved the safety norms for the convenience of the users. Since the early 1990's scientists have studied the effect of light in the improvement of Seasonal Affective Disorder (SAD) in humans. In 1989, it was successfully concluded that light can have anti-depressant impact on SAD patients. Studies have also shown that the natural color of daylight triggers melatonin and serotonin production in humans. These hormones control physical, mental, and behavioral changes or their circadian rhythm in humans.

Human Centric Lighting (HCL) is a lighting solution intended to improve a person's well-being, mood, and health by varying the Correlated Color Temperature (CCT). HCL solutions are designed to mimic the effects and illuminance of natural sunlight. HCL is used in various applications such as healthcare, education, workplaces, retail, and residential applications, among others. HCL, which is also known as Circadian lighting or lighting for health, is expected to gain recognition and drive the lighting industry during the forecast period 2018-2024.

The HCL market is expected to grow at a significant rate during the forecast period. This is due to increasing benefits of human centric lighting, joint effort from regulatory bodies, manufacturers and distributors, and increased adoption of solid state lighting. The effect of lighting on humans has been studied for more than a decade now. In 2002, a study stated that gangolin cells in the retina produce melanopsin which control hormone

production. The light intensity and temperature associated with the fixture can affect production of various hormones, such as dopamine, serotonin, cortisol, and melatonin, which control important aspects of our body. For instance, melatonin secretion leads to drowsiness which can provide better sleep and low body temperature. The main aim of human centric lighting is to mimic daylight conditions throughout the day. Our body perceives light in a more complicated way than we understand. HCL along with the light therapy treatment can trigger the body's internal clock. Bright blue light can be effective during the morning to improve the effectiveness and alertness of an individual, whereas less or no blue light should be used during the night to improve sleep.

The demand for HCL solutions vary according to various geographical regions. The HCL market holds a prominent share in various countries of North America, Asia-Pacific (APAC), Europe, and Rest-of-the-World (RoW). Geographically, Europe led the global HCL market in 2017 in terms of volume and value and is expected to witness the highest growth during the forecast period (2018-2024). This is mainly due to the increased adoption rate of HCL solutions across the region. Furthermore, the support from the government and other regulatory bodies in this region have led to the development of HCL solutions.

The major countries in the Europe HCL market include Germany, the U.K., France, and Spain. Germany and the U.K. The U.K. and Germany together held approximately 65% of the total Europe HCL market. Europe has been on the forefront of HCL in the global scenario and the market in Europe is expected to grow at the highest rate during the forecast period (2018-2024). The early adoption of HCL solution in this region is primarily driven by the regulatory bodies providing enough research to showcase the benefits of HCL across various applications.

In the past five years, the global HCL market has witnessed several strategic and technological developments undertaken by the different market players to attain their respective market shares in the emerging domain. Some of the strategies that have been adopted by the HCL solution providers are expansions, new product launches, partnerships, collaborations, contracts and agreements, and mergers & acquisitions. Among all the strategies, launch of new products has dominated the competitive landscape to become the most widely adopted strategy by the HCL solution providers. The key market players in the global HCL market are Acuity Brands, Inc., OSRAM GmbH, Hubbell Incorporated, Legrand, Philips Lighting, Glamox, Digital Lumens, Inc., Zumtobel Group AG, Seoul Semiconductors, Cree, Inc., Waldmann Lighting, Lutron Electronics Co., Inc., and Hevlar, among others.

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The report is a compilation of different segments of global HCL market including market breakdown by component type, control type, region, and application. The report further takes into consideration market dynamics and competitive landscape. The report also discusses in detail about the key participants involved in the industry.

The report answers following questions about the global HCL market:

What will be the global Human Centric Lighting market value by 2024 along with the estimated CAGR?

What are the driving factors for the global Human Centric Lighting market through 2017 to 2024?

Which factors are impending the growth of the global Human Centric Lighting market?

What are the recent trends and developments in the global Human Centric Lighting industry?

Who are the leading players in the global Human Centric Lighting market along with their leading players analysis?

Which Global Human Centric Lighting control type will lead the global Human Centric Lighting market by 2024?

What is the revenue generated by Human Centric Lighting (fixture & controls) across different application verticals during the forecast period?

Which application will dominate the global Human Centric Lighting (fixture & controls) market by 2024?

Which region will lead the global Human Centric Lighting market by 2024?

Which application will dominate the global Human Centric Lighting market across various regions by 2024?

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