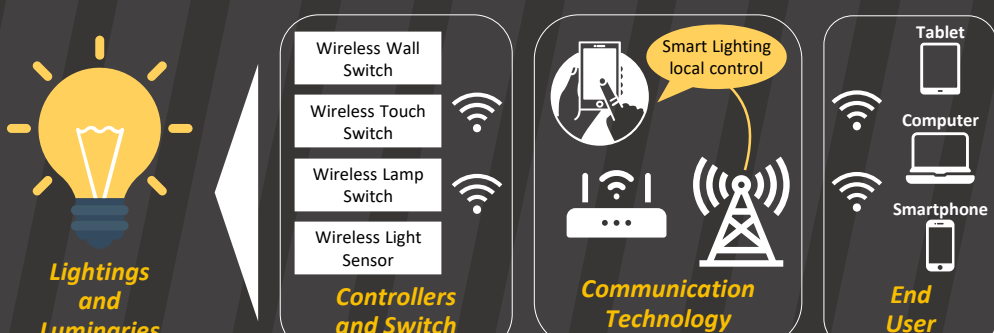




Global Smart Lighting Market

Smart lighting is the technology by which lighting of houses, industries or any other public places can be controlled with the help of sensors, voice or motion control or even mobile phones for efficient power management

Smart lighting generally uses mesh networking, where each smart bulb wirelessly connects to its nearest neighbor. This network is controlled by a hub that plugs into the router, enabling other networked devices such as phone or tablet to communicate with the bulbs



Industry	Industry Focus	Other Benefits	Product Innovation
Industrial and Commercial (Warehouses, Workshops, Manufacturing plants, Offices)	<ul style="list-style-type: none"> Energy efficiency Optimize maintenance costs 	<ul style="list-style-type: none"> Increased employee productivity Lower carbon footprint Compliance with national and international safety standards 	<ul style="list-style-type: none"> Motion sensing lights in warehouses can distinguish between human and robots and activate lights accordingly Timer controlled office lights and personalized light controls through app for your workspace.
Residential (Apartments, Bungalows, Farmhouses, Hotel rooms)	<ul style="list-style-type: none"> Ambience lighting – mood based lighting. Ease of living 	<ul style="list-style-type: none"> Better mental health Voice and gesture controls Timers 	<ul style="list-style-type: none"> Game controllers like Razer connected to house lighting to provide an ultimate gaming experience. Event based (party, get together) light adjustment with controllers such as music volume or number of people in the house.
Outdoor and Public (Municipal buildings, Museums, Roads, Parks)	<ul style="list-style-type: none"> Crime detection and prevention Citizen satisfaction 	<ul style="list-style-type: none"> New revenue opportunities (Advertising signage) Traffic management and parking control with sensors 	<ul style="list-style-type: none"> Data Analytics – Data collected through sensors from street lights is analysed to understand areas of congestion and frequent use which is further processed to achieve energy efficiency.

Increasing demand for energy efficient lighting solutions along with increasing technological advancements across various lighting control systems is expected to drive the global smart lighting market

DRIVERS...



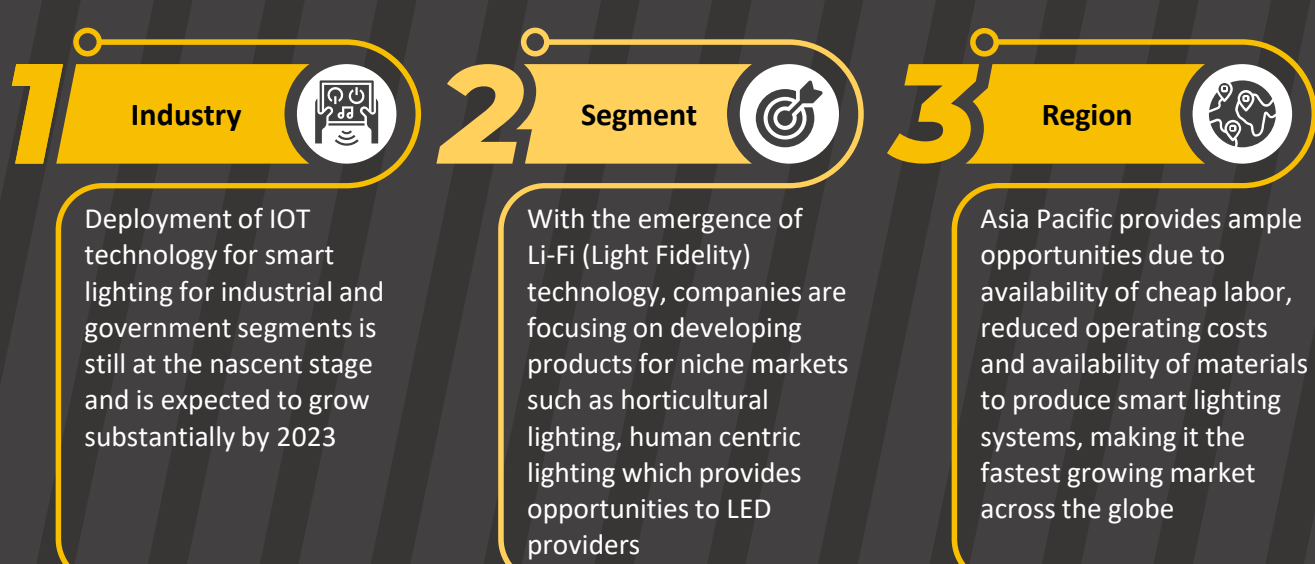
RESTRAINTS...



KEY APPLICATIONS AREAS...



OPPORTUNITIES...



Several companies are providing innovative smart lighting solutions to increase their sales as well as customer engagement...

Market Participants...

Digital Lumens has partnered with Schneider Electric, to provide end users with IoT solutions across a variety of building automation environments via Digital Lumens' sensor-based connected lighting and next-generation analytics suite

Osram partners with Nokia for indoor 5G through the lights. Both companies together are exploring the possibility of equipping LED ceiling luminaires with 5G radio chips to transmit data inside commercial buildings

Philips lighting and American Tower Company have teamed up to make smart poles with 4G/5G gears. These street lighting poles will be integrated with 5G modules to improve wireless broadband access in dense areas and also provide quality, energy-efficient connected LED lighting

and so on...

Key Insights

- Currently there is an increasing adoption of advanced and energy efficient lighting solutions across various applications. The growing demand for lighting systems equipped with wireless and sensor technology has further favoured the growth of the market
- Pooling lighting network with cost efficient and low power consuming LEDs has also led to the market growth. As a result of declining LED prices, smart-lights have become affordable to the general population
- In the future, rapid technological advancements and emergence of Li-Fi (Light Fidelity) technology is expected to boost the demand for smart lighting solutions



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