

LED Market - Industry Trends, Manufacturing Process, Plant Setup, Machinery, Raw Materials, Cost and Revenue

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Abstracts

This report provides an in-depth analysis on the global LED market Trends and the requirements to start and run an LED manufacturing plant. Light Emitting Diodes, also known as LEDs are electronic components that are designed to convert energy into light. Till recently, the main application of LEDs was for backlighting the LCD screens of mobile handsets, laptops, tablet, computers, televisions, or else for vehicle headlights. The potential of LED technology in most other applications was limited due to its high costs. Heavy investments from a number of companies, however, have been cutting the cost and LEDs are now becoming an affordable technology in the lighting industry.

LED's have significant advantages over incandescent and florescent technologies and as such they are expected to transform the global lighting sector. LED lighting has the potential of consuming up to 90% less electricity than incandescent bulbs and also offer significantly lesser energy consumption than other low-energy technologies such as compact fluorescent light bulbs. Apart from their higher efficiency, LEDs also have a lower cost of ownership, involve a longer operating life and are smaller.

The global demand of LED's will also be driven based upon their advantages over conventional technologies from an environmental perspective. Resource scarcity and climate change are of increasing concern with the lighting industry accounting for a significant share of the global electricity consumption. Usage and the worldwide drive to conserve energy and reduce CO2 emissions is driving the adoption of low energy lighting technologies. This has driven governments across the world to formulate guidelines and regulations to lower the carbon footprint, eliminate hazardous substances and increase energy efficiency. LEDs currently offer significant environmental benefits over conventional technologies. Their operating life significantly



exceeds that of lights based on other technologies. They also require less frequent maintenance and don't contain any hazardous wastes such as mercury. IMARC's latest study "LED Market - Industry Trends, Manufacturing Process, Plant Setup, Machinery, Raw Materials, Cost and Revenue" provides a comprehensive roadmap for stakeholders who are planning to setup and run an LED manufacturing plant. Aspects such as market size, industry Trends, manufacturers, land, construction, machinery, labour, investments, revenues, rate of return, margins, etc. have been thoroughly covered in this report. This report is a must-read for entrepreneurs, investors, researchers, consultants, business strategists, and all those who are planning to foray into the LED market in any manner.

Key Questions Answered in This Report:

How has the LED market performed so far and how will it perform in the coming years?

What are the key regional markets in the global LED industry?

What are the price trends of LED?

What are the various stages in the value chain of the LED industry?

What are the key driving factors and challenges in the LED industry?

What is the structure of the LED industry and who are the key players?

What is the degree of competition in the LED industry?

What are the profit margins in the LED industry?

What are the key requirements for setting up a LED manufacturing plant?

How is LED manufactured?

What are the various unit operations involved in a LED plant?

What is the total size of land required for setting up a LED plant?

What are the machinery requirements for setting up a LED plant?



What are the raw material requirements for setting up a LED plant?

What are the packaging requirements for LED?

What are the transportation requirements for LED?

What are the utility requirements for setting up a LED plant?

What are the manpower requirements for setting up a LED plant?

What are the infrastructure costs for setting up a LED plant?

What are the capital costs for setting up a LED plant?

What are the operating costs for setting up a LED plant?

What will be the income and expenditures for a LED plant?

What is the time required to break-even?



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