

# India LED Lighting Market: Current Analysis and Forecast (2025-2033)

<https://marketpublishers.com/r/IB18E79165C7EN.html>

Date: May 2025

Pages: 92

Price: US\$ 3,999.00 (Single User License)

ID: IB18E79165C7EN

## Abstracts

LED lighting is a modern technology that converts electrical energy into light by using semiconductors. While traditional lights quickly burn out and are bad for the environment, LEDs last for many years and require less energy. As a result, it can be used in many applications in residential, commercial, industrial, and public infrastructure sectors.

The India LED Lighting market is set to show a growth rate of about 14.50% during the forecast period (2025-2033F). The increased use of energy-saving lighting in both city and rural locations is pushing market development. The government is supporting LEDs by offering incentives and launching extensive public lighting programs. With the rise in affordability, major consumers can now purchase LED products. Moreover, the surge in innovation in lighting technology is pushing manufacturers to come up with new products. As per the Ministry of Power, as of 6th January 2025, EESL successfully installed over 1.34 crore LED streetlights across Urban Local Bodies (ULBs) and Gram Panchayats, leading to significant energy savings of over 9,001 million units (MUs) of electricity annually. This achievement has also contributed to a reduction in peak demand by more than 1,500 MW and a decrease in CO<sub>2</sub> emissions by 6.2 million tonnes per year, highlighting the programme's positive impact on both energy efficiency and environmental sustainability.

Based on the product type, the market is segmented into LED bulbs, LED tubes, downlights, panel lights, street lights, and others. Among these, the streetlights market is expected to grow with a significant CAGR during the forecast period (2025-2033) due to the fast adoption of government programs like the Street Lighting National Programme (SLNP), and the demand for LED streetlights has sharply increased. Adding to this, the rise of these installations by public

organizations saves energy and promotes cost efficiency. As India pursues smart city projects, companies discover plenty of business opportunities to supply LED streetlights. On August 1, 2024, the Street Lighting National Programme (SLNP) is a voluntary programme implemented through Energy Efficiency Services Limited (EESL). Till 30 June 2024, EESL installed 1,31,10,745 LED Street Lights in the country, which has resulted in estimated energy savings of about 8,806 Million Units (MU) per year.

Based on the application, the market is segmented into residential, commercial, industrial, and outdoor/public infrastructure. Among these, the residential LED lighting market held the dominant share of the market in 2024 due to the increasing awareness among consumers about the importance of saving energy is boosting the uptake of LED lighting at home. Adding to this, schemes like UJALA have made it possible to sell LED bulbs at discounts in rural and semi-urban parts of the country. Due to higher demand, manufacturers are now expanding their residential products and improving the way goods are distributed. At the end of January 6, 2025, the UJALA scheme distributed 36.87 crore LED bulbs, making it one of the most widely adopted initiatives in the country. Its implementation across all states has brought about transformative changes, reduced annual household electricity bills, and enabled consumers to save money while improving their quality of life. Transforming the market, so far, the UJALA scheme has generated the sale of 407.92 crore LED bulbs in the Indian market.

Based on the distribution channel, the market is segmented into offline, online. Among these, the online segment held the dominant share of the market in 2024. The rise of digital shopping enables LED lighting manufacturers to reach modern buyers and serve Tier 2 and Tier 3 regions. Moreover, people are more drawn to shop online because it is easy, the prices are better, and it offers a wider range of products. As a result, lighting manufacturers can use data-based sales techniques and increase their business capacity.

For a better understanding of the market adoption of the India LED Lighting market, it is analyzed based on its state-wise presence in India, such as North India, East India, West India, and South India. South India is expected to grow with a significant CAGR during the forecast period because it has a thriving industrial sector, especially in Bengaluru, Chennai, and Hyderabad. The growth in IT and commercial real estate is leading to a greater need for panels and downlights. Authorities in Tamil Nadu, Karnataka, and Telangana are advocating

for energy conservation, which helps spread the use of LEDs. Retail being widespread and most consumers being comfortable with technology, are allowing companies to introduce new types of products directly online. For instance, in August 2024, Karnataka approved an INR 684-crore plan to switch Bengaluru streetlights to LED. The Bruhat Bengaluru Mahanagara Palike is replacing around three lakh streetlights with LED lights.

Some major players running in the market include Havells Lighting (Havells India Ltd.), Wipro Lighting (Wipro Enterprises (P) Limited), Syska Led Lights Pvt Ltd, Bajaj Electricals Limited (Bajaj Group), Crompton Greaves Consumer Electricals Limited, Surya Roshni Ltd, Eveready Industries India Ltd., Signify Holding, Orient Electric Ltd. (CKA Birla Group), Goldmedal Electricals Pvt. Ltd.

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