

# **Indian LED Lighting Market Report by Product Type (Panel Lights, Down Lights, Street lights, Tube Lights, Bulbs, and Others), Application (Commercial Applications, Residential Applications, Institutional Applications, Industrial Applications) 2024-2032**

<https://marketpublishers.com/r/ID1F157E78EDEN.html>

Date: April 2024

Pages: 117

Price: US\$ 2,699.00 (Single User License)

ID: ID1F157E78EDEN

## **Abstracts**

The Indian LED lighting market size reached US\$ 4.2 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 23.2 Billion by 2032, exhibiting a growth rate (CAGR) of 20.4% during 2024-2032.

LED lights have emerged as a powerful source for lighting over the past several years. Due to their numerous advantages over conventional lighting technology, they have swiftly gained prominence in the Indian lighting market. Although Indian LED lighting market is at a nascent stage, it offers innumerable opportunities for growth over the next few decades. As India represents one of the biggest lighting markets, it offers a lucrative option for LED manufacturers to set up their facilities in the region. Skilled labour, ease of doing business and demographic advantages provides a sustainable environment for the LED industry.

### **Indian LED Lighting Market Trends:**

Currently, the demand for LED lighting systems is primarily concentrated in the North and South regions due to growing urbanization rates and increasing number of government initiatives that encourage the use of LED lights. The government's support through various regulations that promote the investments in energy efficient lighting technologies have expanded the applications of LED lights across various industrial, commercial and residential sectors.

A rapidly growing automotive industry also provides productive opportunities for the use of LEDs in head lamps, rear lamps, turn signal and brake lights. Other important factors such as increasing infrastructural investments, rapid growth of street lighting systems, decline in average prices of LEDs and various government and upcoming smart building projects are expected to drive the demand of LED lights in India.

IMARC's latest study "Indian LED Lighting Market: Industry Trends, Share, Size, Growth, Opportunity and Forecast 2024-2032" provides a techno-commercial roadmap for setting up an LED manufacturing plant. The study, which has been done by one of the world's leading research and advisory firms, covers all the requisite aspects of the India LED lighting market. This ranges from macro overview of the market to micro details of the industry performance, processing and manufacturing requirements, project cost, project funding, project economics including expected returns on investment, profit margins, etc. This report is a must-read for entrepreneurs, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the LED industry in any manner.

#### Markets Analysed:

Indian Lighting Market

Indian LED Lighting Market

Indian LED Lighting Market by Product Type

Indian LED Lighting Market by Application

Indian LED Lighting Market by Region

Indian LED Lighting Market by Public and Private Sectors

Indian LED Lighting Market by Indoor and Outdoor Applications

#### Products Manufactured:

Panel Lights

Flood Lights

Down Lights

Street Lights

Tube Lights

Bulbs

Others

#### Technical and Financial Analysis:

Manufacturing Process  
Raw Material Requirements  
Land Requirements  
Construction Requirements  
Manpower Requirements  
Utility Requirements  
Packaging Requirements  
Capital Investments  
Operating Expenses  
Incomes  
Profit Margins  
Return on Investment

#### Competitive Landscape:

Indian LED lighting market is highly fragmented with the presence of several small and large manufacturers competing in terms of price and quality. Some of the major players in the market are:

Signify NV  
Surya Roshni Limited  
Crompton Greaves Consumer Electricals Limited  
Bajaj Electricals Limited  
Halonix Technologies Pvt. Ltd.  
Havells India Limited

#### Key Questions Answered in This Report

1. What is the size of the Indian LED lighting market in 2023?
2. What is the expected growth rate of the Indian LED lighting market during 2024-2032?
3. What are the key factors driving the Indian LED lighting market?
4. What has been the impact of COVID-19 on the Indian LED lighting market?
5. What is the breakup of the Indian LED lighting market based on the product type?
6. What is the breakup of the Indian LED lighting market based on the application?
7. Who are the key companies/players in the Indian LED lighting market?

## Contents

### 1 PREFACE

### 2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
  - 2.3.1 Primary Sources
  - 2.3.2 Secondary Sources
- 2.4 Market Estimation
  - 2.4.1 Bottom-Up Approach
  - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

### 3 EXECUTIVE SUMMARY

### 4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

### 5 GLOBAL LED LIGHTING INDUSTRY

- 5.1 Market Overview
- 5.2 Market Performance
  - 5.2.1 Volume Trends
  - 5.2.2 Value Trends
- 5.3 Market Breakup by Region
- 5.4 Market Breakup by Application
- 5.5 Market by LED Products: LED Lamps, Modules and Fixtures
  - 5.5.1 Current and Historical Market Trends
  - 5.5.2 Market Forecast
- 5.6 Market Forecast

### 6 WHY IS THE LED MARKET SO LUCRATIVE IN INDIA

- 6.1 India Represents One of the World's Biggest Lighting Markets

*Indian LED Lighting Market Report by Product Type (Panel Lights, Down Lights, Street lights, Tube Lights, Bulb...*

6.2 India's Expanding Consumer Durables Market Provides Immense Potential for Backlighting

6.3 The Government Sector Represents One of the Biggest Drivers of this Market

6.4 India Represents One of the World's Fastest Growing Automobile Markets

6.5 India is Turning into a Lucrative LED Manufacturing Destination

6.6 Other Factors Driving this Market

## **7 INDIAN LED LIGHTING INDUSTRY**

7.1 Market Overview

7.2 Market Performance

7.2.1 Volume Trends

7.2.2 Value Trends

7.3 Impact of COVID-19

7.4 Market Breakup by Product Type

7.5 Market Breakup by Application

7.6 Market Breakup by Region

7.7 Market Breakup by Imports and Domestic Manufacturing

7.8 Market Breakup by Public and Private Sectors

7.9 Market Breakup by Indoor and Outdoor Applications

7.10 Market Forecast

7.11 SWOT Analysis

7.11.1 Overview

7.11.2 Strengths

7.11.3 Weaknesses

7.11.4 Opportunities

7.11.5 Threats

7.12 Value Chain Analysis

7.13 Porter's Five Forces Analysis

7.13.1 Overview

7.13.2 Bargaining Power of Buyers

7.13.3 Bargaining Power of Suppliers

7.13.4 Degree of Competition

7.13.5 Threat of New Entrants

7.13.6 Threat of Substitutes

7.14 Key Market Drivers and Success Factors

7.15 Key Success Factors and Risk Factors for LED Manufacturers

## **8 MARKET BREAKUP BY PRODUCT TYPE**

## 8.1 Panel Lights

### 8.1.1 Market Trends

### 8.1.2 Market Forecast

## 8.2 Down Lights

### 8.2.1 Market Trends

### 8.2.2 Market Forecast

## 8.3 Street lights

### 8.3.1 Market Trends

### 8.3.2 Market Forecast

## 8.4 Tube Lights

### 8.4.1 Market Trends

### 8.4.2 Market Forecast

## 8.5 Bulbs

### 8.5.1 Market Trends

### 8.5.2 Market Forecast

## 8.6 Others

### 8.6.1 Market Trends

### 8.6.2 Market Forecast

# 9 MARKET BREAKUP BY APPLICATION

## 9.1 Commercial Applications

### 9.1.1 Market Trends

### 9.1.2 Market Forecast

## 9.2 Residential Applications

### 9.2.1 Market Trends

### 9.2.2 Market Forecast

## 9.3 Institutional Applications

### 9.3.1 Market Trends

### 9.3.2 Market Forecast

## 9.4 Industrial Applications

### 9.4.1 Market Trends

### 9.4.2 Market Forecast

# 10 COMPETITIVE LANDSCAPE

## 10.1 Market Structure

## 10.2 Market breakup by Key Players

## **11 LED MANUFACTURING PROCESS**

### **11.1 Panel Light**

#### **11.1.1 Product Overview**

#### **11.1.2 Manufacturing Process and Process Flow**

#### **11.1.3 Raw Material Requirements**

#### **11.1.4 Suppliers of Raw Materials and Delivery Time**

### **11.2 Down Light**

#### **11.2.1 Product Overview**

#### **11.2.2 Manufacturing Process and Process Flow**

#### **11.2.3 Raw Material Requirements**

#### **11.2.4 Suppliers of Raw Materials and Delivery Time**

### **11.3 Tube Light**

#### **11.3.1 Product Overview**

#### **11.3.2 Manufacturing Process and Process Flow**

#### **11.3.3 Raw Material Requirements**

#### **11.3.4 Suppliers of Raw Materials and Delivery Time**

### **11.4 Bulbs**

#### **11.4.1 Product Overview**

#### **11.4.2 Manufacturing Process and Process Flow**

#### **11.4.3 Raw Material Requirements**

#### **11.4.4 Suppliers of Raw Materials and Delivery Time**

### **11.5 Street Light**

#### **11.5.1 Product Overview**

#### **11.5.2 Manufacturing Process and Process Flow**

#### **11.5.3 Raw Material Requirements**

#### **11.5.4 Suppliers of Raw Materials and Delivery Time**

### **11.6 Flood Light**

#### **11.6.1 Product Overview**

#### **11.6.2 Manufacturing Process and Process Flow**

#### **11.6.3 Raw Material Requirements**

#### **11.6.4 Suppliers of Raw Materials and Delivery Time**

## **12 PROJECT DETAILS, REQUIREMENTS AND COSTS INVOLVED**

### **12.1 Land Requirements and Expenditures**

### **12.2 Construction Requirements and Expenditures**

### **12.3 Plant Machinery**

- 12.4 Machinery Pictures
- 12.5 Raw Material Requirements and Expenditures
- 12.6 Raw Material and Final Product Pictures
- 12.7 Packaging Requirements and Expenditures
- 12.8 Transportation Requirements and Expenditures
- 12.9 Utility Requirements and Expenditures
- 12.10 Manpower Requirements and Expenditures
- 12.11 Other Capital Investments

## **13 LOANS AND FINANCIAL ASSISTANCE**

## **14 PROJECT ECONOMICS**

- 14.1 Capital Cost of the Project
- 14.2 Techno-Economic Parameters
- 14.3 Product Pricing and Margins Across Various Levels of the Supply Chain
- 14.4 Taxation and Depreciation
- 14.5 Income Projections
- 14.6 Expenditure Projections
- 14.7 Financial Analysis
- 14.8 Profit Analysis

## **15 KEY PLAYER PROFILES**

- 15.1 Signify NV
- 15.2 Surya Roshni Limited
- 15.3 Crompton Greaves Consumer Electricals Limited
- 15.4 Bajaj Electricals Limited
- 15.5 Halonix Technologies Pvt. Ltd.
- 15.6 Havells India Limited



## List Of Tables

### LIST OF TABLES

Table 1: Global: LED Lighting Market: Key Industry Highlights, 2023 and 2032

Table 2: Global: LED Lighting Market Forecast: Breakup by Region, 2024-2032

Table 3: Global: LED Lighting Market Forecast: Breakup by Application, 2024-2032

Table 4: India: LED Lighting Market: Key Industry Highlights, 2023 and 2032

Table 5: India: LED Lighting Market Forecast: Breakup by Product Type (in Million US\$), 2024-2032

Table 6: India: LED Lighting Market Forecast: Breakup by Application (in Million US\$), 2024-2032

Table 7: Panel Light Manufacturing: Suppliers of Raw Materials and Delivery Timeline

Table 8: Down Light Manufacturing: Suppliers of Raw Materials and Delivery Timeline

Table 9: Tube Light Manufacturing: Suppliers of Raw Materials and Delivery Timeline

Table 10: Bulbs Manufacturing: Suppliers of Raw Materials and Delivery Timeline

Table 11: Street Light Manufacturing: Suppliers of Raw Materials and Delivery Timeline

Table 12: Flood Light Manufacturing: Suppliers of Raw Materials and Delivery Timeline

Table 13: LED Lights Manufacturing Plant: Costs Related to Land and Site Development (in US\$)

Table 14: LED Lights Manufacturing Plant: Costs Related to Civil Works (in US\$)

Table 15: LED Lights Manufacturing Plant: Machinery Costs (in US\$)

Table 16: LED Lights Manufacturing Plant: Costs Related to Other Capital Investments (in US\$)

Table 17: LED Lights Manufacturing Plant: Raw Material Requirements and Expenditures (in US\$/Year)

Table 18: LED Lights Manufacturing Plant: Outer Packaging Requirements and Expenditure

Table 19: LED Lights Manufacturing Plant: Inner Packaging Requirements and Expenditure

Table 20: LED Lights Manufacturing Plant: Transportation Expenditure (US\$/Unit of Light)

Table 21: LED Lights Manufacturing Plant: Power Consumption (in KWh)

Table 22: LED Lights Manufacturing Plant: Costs Related to Salaries and Wages (in US\$)

Table 23: LED Lights Manufacturing Plant: Techno-Economic Parameters

Table 24: LED Lights Manufacturing Plant: Income Projections (in US\$)

Table 25: LED Lights Manufacturing Plant: Expenditure Projections (in US\$)

Table 26: LED Lights Manufacturing Plant: Income Tax Expenditure

Table 27: LED Lights Manufacturing Plant: Depreciation and Taxation

Table 28: LED Lights Manufacturing Plant: Cash Flow Analysis Without Considering the Income Tax Liability

Table 29: LED Lights Manufacturing Plant: Cash Flow Analysis on Considering the Income Tax Liability

Table 30: LED Lights Manufacturing Plant: Profit and Loss Account

## List Of Figures

### LIST OF FIGURES

Figure 1: India: LED Lighting Industry Overview

Figure 2: Global: LED Lighting Market: Volume Trends (in Billion Units), 2018-2023

Figure 3: Global: LED Lighting Market: Value Trends (in Billion US\$), 2018-2023

Figure 4: Global: LED Lighting Market: Breakup by Region (in %), 2023

Figure 5: Global: LED Lighting Market: Breakup by Application (in %), 2023

Figure 6: Global: LED Lamps and Modules Market: Sales Volume (in Million Units), 2018-2023

Figure 7: Global: LED Fixtures Market: Sales Volume (in Million Units), 2018-2023

Figure 8: Global: LED Lamps and Modules Market Forecast: Sales Volume (in Million Units), 2024-2032

Figure 9: Global: LED Fixtures Market Forecast: Sales Volume (in Million Units), 2024-2032

Figure 10: Global: LED Lighting Market Forecast: Volume Trends (in Billion Units), 2024-2032

Figure 11: Global: LED Lighting Market Forecast: Value Trends (in Billion US\$), 2024-2032

Figure 12: India: LED Lighting Market: Volume Trends (in Million Units), 2018-2023

Figure 13: India: LED Lighting Market: Value Trends (in Billion US\$), 2018-2023

Figure 14: India: LED Lighting Market: Breakup by Product Type (in %), 2023

Figure 15: India: LED Lighting Market: Breakup by Application (in %), 2023

Figure 16: India: LED Lighting Market: Breakup by Region (in %), 2023

Figure 17: India: LED Lighting Market: Breakup by Imports and Domestic Manufacturing (in %)

Figure 18: India: LED Lighting Market: Breakup by Public and Private Sectors (in %), 2023

Figure 19: India: LED Lighting Market: Breakup by Indoor and Outdoor Applications (in %), 2023

Figure 20: India: LED Lighting Market Forecast: Volume Trends (in Million Units), 2024-2032

Figure 21: India: LED Lighting Market Forecast: Value Trends (in Billion US\$), 2024-2032

Figure 22: India: LED Lighting Industry: SWOT Analysis

Figure 23: India: LED Lighting Industry: Value Chain Analysis

Figure 24: India: LED Lighting Industry: Porter's Five Forces Analysis

Figure 25: India: LED Lighting Industry: Panel Light (in Million US\$), 2018 & 2023

Figure 26: India: LED Lighting Industry Forecast: Panel Light (in Million US\$), 2024-2032

Figure 27: India: LED Lighting Industry: Down Light (in Million US\$), 2018 & 2023

Figure 28: India: LED Lighting Industry Forecast: Down Light (in Million US\$), 2024-2032

Figure 29: India: LED Lighting Industry: Street Light (in Million US\$), 2018 & 2023

Figure 30: India: LED Lighting Industry Forecast: Street Light (in Million US\$), 2024-2032

Figure 31: India: LED Lighting Industry: Tube Light (in Million US\$), 2018 & 2023

Figure 32: India: LED Lighting Industry Forecast: Tube Light (in Million US\$), 2024-2032

Figure 33: India: LED Lighting Industry: Bulbs (in Million US\$), 2018 & 2023

Figure 34: India: LED Lighting Industry Forecast: Bulbs (in Million US\$), 2024-2032

Figure 35: India: LED Lighting Industry: Other Product Types (in Million US\$), 2018 & 2023

Figure 36: India: LED Lighting Industry Forecast: Other Product Types (in Million US\$), 2024-2032

Figure 37: India: LED Lighting Market: Commercial Applications (in Million US\$), 2018 & 2023

Figure 38: India: LED Lighting Market Forecast: Commercial Applications (in Million US\$), 2024-2032

Figure 39: India: LED Lighting Market: Residential Applications (in Million US\$), 2018 & 2023

Figure 40: India: LED Lighting Market Forecast: Residential Applications (in Million US\$), 2024-2032

Figure 41: India: LED Lighting Market: Institutional Applications (in Million US\$), 2018 & 2023

Figure 42: India: LED Lighting Market Forecast: Institutional Applications (in Million US\$), 2024-2032

Figure 43: India: LED Lighting Market: Industrial Applications (in Million US\$), 2018 & 2023

Figure 44: India: LED Lighting Market Forecast: Industrial Applications (in Million US\$), 2024-2032

Figure 45: India: LED Lighting Market: Breakup by Key Players (in %), 2023

Figure 46: Panel Light Manufacturing: Various Types of Unit Operation Involved

Figure 47: Panel Light Manufacturing: Conversion Rate of Products

Figure 48: Down Light Manufacturing: Various Types of Unit Operation Involved

Figure 49: Down Light Manufacturing: Conversion Rate of Products

Figure 40: Tube Light Manufacturing: Various Types of Unit Operation Involved

Figure 51: Tube Light Manufacturing: Conversion Rate of Products

Figure 52: Bulbs Manufacturing Plant: Various Types of Unit Operation Involved

Figure 53: Bulbs Manufacturing: Conversion Rate of Products

Figure 54: Street Light Manufacturing: Various Types of Unit Operation Involved

Figure 55: Street Light Manufacturing: Conversion Rate of Products

Figure 56: Flood Manufacturing: Various Types of Operation Involved

Figure 57: Flood Manufacturing: Conversion Rate of Products

Figure 58: LED Lights Industry: Breakup of Capital Costs (in %)

Figure 59: LED Lights Industry: Profit Margins at Various Level of Value Chain

Figure 60: LED Lights Manufacturing Plant: Breakup of Manufacturing Costs (in %)

## I would like to order

Product name: Indian LED Lighting Market Report by Product Type (Panel Lights, Down Lights, Street lights, Tube Lights, Bulbs, and Others), Application (Commercial Applications, Residential Applications, Institutional Applications, Industrial Applications) 2024-2032

Product link: <https://marketpublishers.com/r/ID1F157E78EDEN.html>

Price: US\$ 2,699.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/ID1F157E78EDEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:

Last name:

Email:

Company:

Address:

City:

Zip code:

Country:

Tel:

Fax:

Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970