

Global LED Lighting Market (2017-2021 Edition)

July 2017



Global LED Lighting Market Report

Scope of the Report

The report entitled "Global LED Lighting Market (2017-2021 Edition)", provides an in-depth analysis of the global LED Lighting market with detailed analysis of market size and growth, market share and economic impact of the industry. The report also provides market size of the global lighting market and its segments.

The report provides detailed regional analysis of North America, Europe and Asia-Pacific (China and India) for the LED lighting market. The report also assesses the key opportunities in the market and outlines the factors that are and will be driving the growth of the industry.

Growth of the global lighting market and global LED lighting market has also been forecasted for the period 2017-2021, taking into consideration the previous growth patterns, the growth drivers and the current and future trends. The market for global LED lighting is facing a tough competition due to price wars and entry of small firms. Further, key players (Cree, Philips and Osram) of the global LED lighting market are also profiled with their financial information and respective business strategies.

Country Coverage

North America

Europe

Asia-Pacific (China and India)

Company Coverage

Cree

Philips

Osram

Global LED Lighting Market Report

Executive Summary

LED or Light Emitting Diode is a semiconductor device which glows when electric current is passed through it. Earlier, LEDs were made from semiconductor material such as gallium arsenide and were produced in only a few colors (mainly red or green). Newer LEDs are made from synthetic materials such as p-phenylenevinyl and can produce light of any color. Light emitting diodes produce light by the movement of electrons between the two terminals of diode, which occur by a process called electroluminescence. In this process, the electron loses its energy and the amount of energy lost defines the color of light produced.

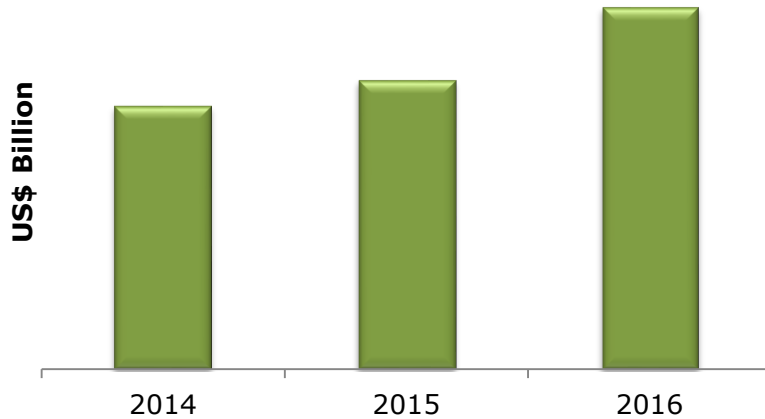
In 1907, the Englishman Henry Joseph Round discovered that inorganic materials can light up when an electric current is applied. In the same year, he published his discovery in the journal "Electrical World". But it was in 1967, when the first red luminescence diode (type GaAsP), developed by American Nick Holonyak, entered the market. That first LED in the visible wavelength area marked the birth of the industrially-produced LED.

The LED lighting can be segmented according to its application into lighting, backlighting, signage, automotive lighting and others. Some of the advantages of LED lights over the traditional light sources are long life, energy efficient, ecologically friendly, durable, zero UV emission, design flexibility, low voltage, etc.

The major growth drivers for the LED lighting market are increasing shipment and penetration of LED TVs, growing automobile industry, increasing LED penetration, phasing out of incandescent bulbs in many countries, supportive government policies and focus on energy efficiency. Despite the market is governed by various growth drivers, there are certain challenges faced by the market such as temperature dependence, high initial costs of LED, high research and development costs, etc.

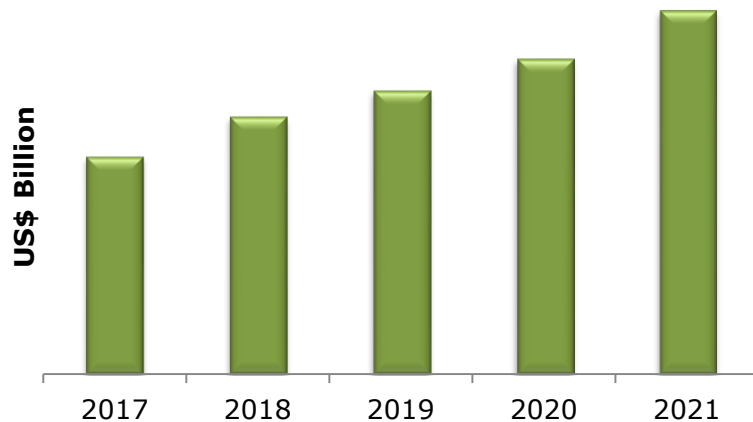
Global LED Lighting Market Overview

Global LED Lighting Market by Value;
2014-2016 (US\$ Billion)

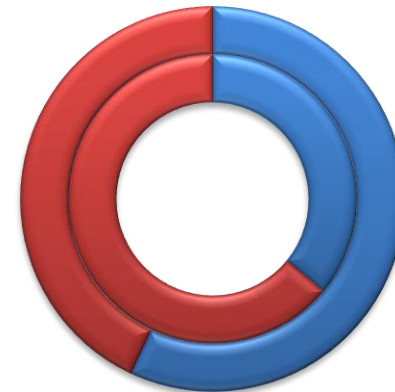


The global LED lighting market value was US\$... billion in 2016, increased from 2015 market value of US\$... billion, at a CAGR of ...% over the years 2014-2016. The global value of LED lighting market is forecasted to increase to US\$... billion in 2021, as compared to the market value of US\$... billion in 2017. The global LED lighting market is expected to grow at a CAGR of% over the years 2017 to 2021. The global general lighting market can be divided into the LED lights and Non- LED lights.

Global LED Lighting Market by Value;
2017-2021 (US\$ Billion)

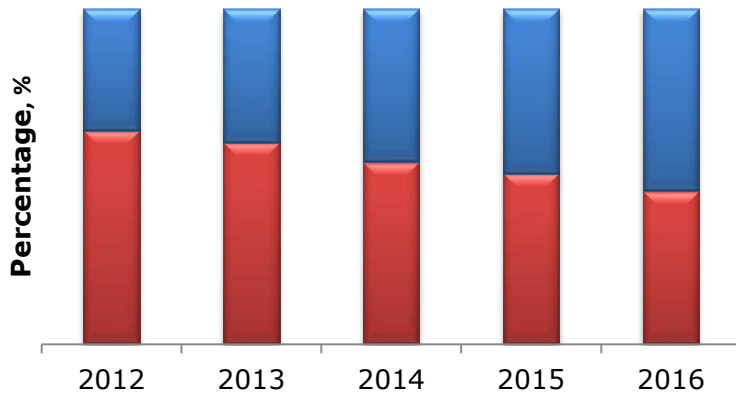


Global General Lighting Market by
Segments; 2016 & 2021

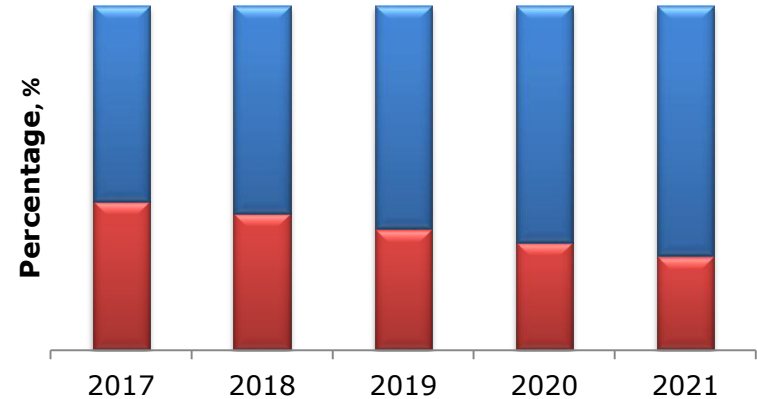


Global LED Lighting Market Segments Overview

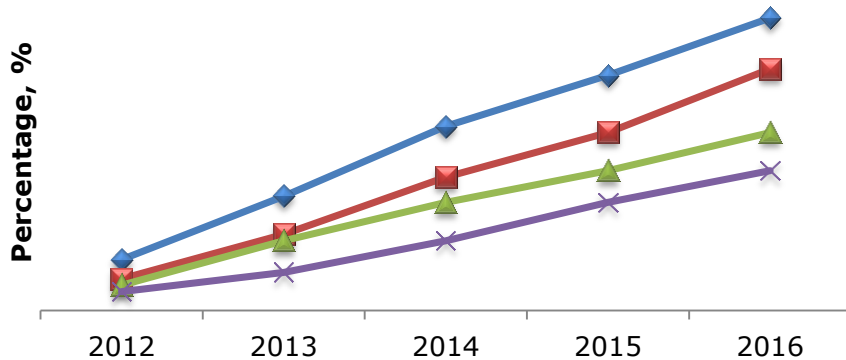
Global LED Lighting Market by Segments; 2012-2016 (Percentage, %)



Global LED Lighting Market by Segments; 2017-2021 (Percentage, %)



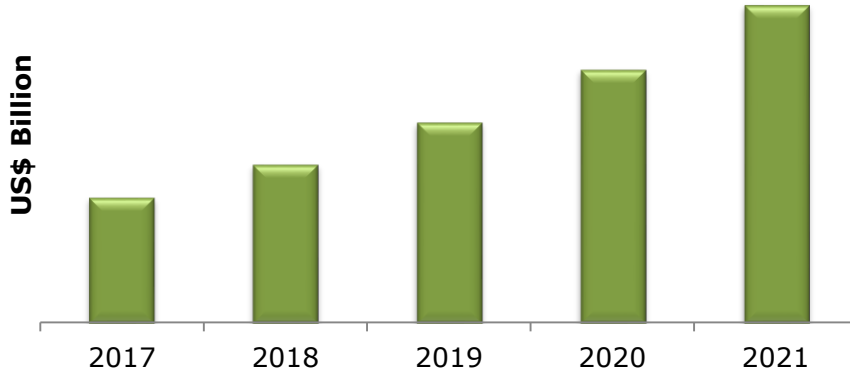
Global LED Lighting Market Adoption Rate by Products; 2012-2016



The backlight held the ...% share in 2016, decreased from ...% share in 2015. The backlight share is expected to reach to ...% share in 2021, as compared to ...% in 2017. The general lighting held the ...% share in 2016, increased from ...% share in 2015. The general lighting share is expected to reach to% share in 2021, as compared to% in 2017.

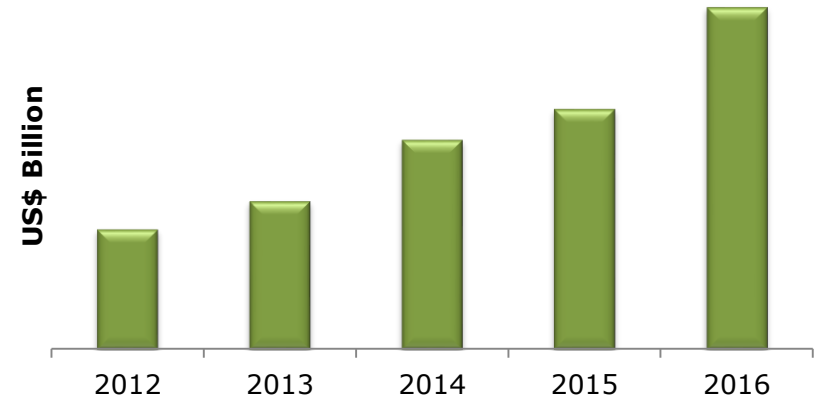
Global LED Lighting Market : Regional Overview

North America LED Lighting Market by Value; 2017-2021 (US\$ Billion)



The North America LED lighting market is expected to escalate to US\$... billion in 2021, as compared to US\$... billion in 2017, growing at a CAGR of% over the years 2017-2021. The Europe LED lighting market valued at US\$... billion in 2016, escalated from US\$... billion in 2015. The market increased at a CAGR of% over 2012 to 2016 years.

Europe LED Lighting Market by Value; 2012-2016 (US\$ Billion)



Global LED Lighting Market by Region; 2016

