

Global Chip Scale Packaged (CSP) LEDs Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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Abstracts

Traditional LEDs usually undergo from the chip/die manufacturing to packaging processes where the die would be attached to an interposer such as a ceramic substrate, yielding a packaged LED or what is commonly referred to as an LED package. In the case of CSP LED, separate steps of having manufactured chips going through a packaging line are eliminated because at the die-level itself the chips are singulated and coated with phosphor. Solder or bond pads are installed at the wafer level just after the epitaxial stage of manufacturing using semiconductor etching and metallization techniques.

According to our (Global Info Research) latest study, the global Chip Scale Packaged (CSP) LEDs market size was valued at USD 1234.1 million in 2022 and is forecast to a readjusted size of USD 2532.3 million by 2029 with a CAGR of 10.8% during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

Global key players of Chip Scale Package LEDs (CSP LED) include Lumileds, Nichia, Samsung LEDs, Seoul Semiconductor and Lumens, etc. Top five players occupy for a share about 54%. China is the largest market, with a share about 50%, followed by Europe and North America. In terms of product, Medium and Low Power is the largest segment, with a share over 81%. In terms of application, Mobile Phone Flash is the largest market, with a share over 49%.

This report is a detailed and comprehensive analysis for global Chip Scale Packaged (CSP) LEDs market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is

constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2023, are provided.

Key Features:

Global Chip Scale Packaged (CSP) LEDs market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2018-2029

Global Chip Scale Packaged (CSP) LEDs market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2018-2029

Global Chip Scale Packaged (CSP) LEDs market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2018-2029

Global Chip Scale Packaged (CSP) LEDs market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (USD/Unit), 2018-2023

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Chip Scale Packaged (CSP) LEDs

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Chip Scale Packaged (CSP) LEDs market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Lumileds, OSRAM, Samsung, Seoul Semiconductor and LG Innotek, etc.

This report also provides key insights about market drivers, restraints, opportunities,

new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Market Segmentation

Chip Scale Packaged (CSP) LEDs market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Low & Mid-Power

High-Power

Market segment by Application

Backlighting Unit (BLU)

General Lighting

Flash Lighting

Automotive

Others

Major players covered

Lumileds

OSRAM

Samsung

Seoul Semiconductor

LG Innotek

Cree

Genesis Photonics

Nichia

EPISTAR

Lumens

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Chip Scale Packaged (CSP) LEDs product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Chip Scale Packaged (CSP) LEDs, with price, sales, revenue and global market share of Chip Scale Packaged (CSP) LEDs from 2018 to 2023.

Chapter 3, the Chip Scale Packaged (CSP) LEDs competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by

landscape contrast.

Chapter 4, the Chip Scale Packaged (CSP) LEDs breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2022. and Chip Scale Packaged (CSP) LEDs market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of Chip Scale Packaged (CSP) LEDs.

Chapter 14 and 15, to describe Chip Scale Packaged (CSP) LEDs sales channel, distributors, customers, research findings and conclusion.

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