

# Global Chip Scale Packaged (CSP) LEDs Market Growth 2024-2030

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## Abstracts

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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.

The global Chip Scale Packaged (CSP) LEDs market size is projected to grow from US\$ 1173.3 million in 2023 to US\$ 2549.1 million in 2030; it is expected to grow at a CAGR of 11.7% from 2024 to 2030.

LP Information, Inc. (LPI) ' newest research report, the "Chip Scale Packaged (CSP) LEDs Industry Forecast" looks at past sales and reviews total world Chip Scale Packaged (CSP) LEDs sales in 2023, providing a comprehensive analysis by region and market sector of projected Chip Scale Packaged (CSP) LEDs sales for 2024 through 2030. With Chip Scale Packaged (CSP) LEDs sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Chip Scale Packaged (CSP) LEDs industry.

This Insight Report provides a comprehensive analysis of the global Chip Scale Packaged (CSP) LEDs landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and

M&A activity. This report also analyzes the strategies of leading global companies with a focus on Chip Scale Packaged (CSP) LEDs portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Chip Scale Packaged (CSP) LEDs market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Chip Scale Packaged (CSP) LEDs and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Chip Scale Packaged (CSP) LEDs.

Following a strong growth of 26.2 percent in the year 2021, WSTS revised it down to a single digit growth for the worldwide semiconductor market in 2022 with a total size of US\$580 billion, up 4.4 percent. WSTS lowered growth estimation as inflation rises and end markets seeing weaker demand, especially those exposed to consumer spending. While some major categories are still double-digit year-over-year growth in 2022, led by Analog with 20.8 percent, Sensors with 16.3 percent, and Logic with 14.5 percent growth. Memory declined with 12.6 percent year over year. In 2022, all geographical regions showed double-digit growth except Asia Pacific. The largest region, Asia Pacific, declined 2.0 percent. Sales in the Americas were US\$142.1 billion, up 17.0% year-on-year, sales in Europe were US\$53.8 billion, up 12.6% year-on-year, and sales in Japan were US\$48.1 billion, up 10.0% year-on-year. However, sales in the largest Asia-Pacific region were US\$336.2 billion, down 2.0% year-on-year.

This report presents a comprehensive overview, market shares, and growth opportunities of Chip Scale Packaged (CSP) LEDs market by product type, application, key manufacturers and key regions and countries.

### Segmentation by type

Low & Mid-Power

High-Power

### Segmentation by application

Backlighting Unit (BLU)

General Lighting

Flash Lighting

Automotive

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Lumileds

OSRAM

Samsung

Seoul Semiconductor

LG Innotek

Cree

Genesis Photonics

Nichia

EPISTAR

Lumens

### Key Questions Addressed in this Report

What is the 10-year outlook for the global Chip Scale Packaged (CSP) LEDs market?

What factors are driving Chip Scale Packaged (CSP) LEDs market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Chip Scale Packaged (CSP) LEDs market opportunities vary by end market size?

How does Chip Scale Packaged (CSP) LEDs break out type, application?

## Contents

### 1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

### 2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
  - 2.1.1 Global Chip Scale Packaged (CSP) LEDs Annual Sales 2019-2030
  - 2.1.2 World Current & Future Analysis for Chip Scale Packaged (CSP) LEDs by Geographic Region, 2019, 2023 & 2030
  - 2.1.3 World Current & Future Analysis for Chip Scale Packaged (CSP) LEDs by Country/Region, 2019, 2023 & 2030
- 2.2 Chip Scale Packaged (CSP) LEDs Segment by Type
  - 2.2.1 Low & Mid-Power
  - 2.2.2 High-Power
- 2.3 Chip Scale Packaged (CSP) LEDs Sales by Type
  - 2.3.1 Global Chip Scale Packaged (CSP) LEDs Sales Market Share by Type (2019-2024)
  - 2.3.2 Global Chip Scale Packaged (CSP) LEDs Revenue and Market Share by Type (2019-2024)
  - 2.3.3 Global Chip Scale Packaged (CSP) LEDs Sale Price by Type (2019-2024)
- 2.4 Chip Scale Packaged (CSP) LEDs Segment by Application
  - 2.4.1 Backlighting Unit (BLU)
  - 2.4.2 General Lighting
  - 2.4.3 Flash Lighting
  - 2.4.4 Automotive
  - 2.4.5 Others
- 2.5 Chip Scale Packaged (CSP) LEDs Sales by Application
  - 2.5.1 Global Chip Scale Packaged (CSP) LEDs Sale Market Share by Application (2019-2024)

2.5.2 Global Chip Scale Packaged (CSP) LEDs Revenue and Market Share by Application (2019-2024)

2.5.3 Global Chip Scale Packaged (CSP) LEDs Sale Price by Application (2019-2024)

### **3 GLOBAL CHIP SCALE PACKAGED (CSP) LEDS BY COMPANY**

3.1 Global Chip Scale Packaged (CSP) LEDs Breakdown Data by Company

3.1.1 Global Chip Scale Packaged (CSP) LEDs Annual Sales by Company (2019-2024)

3.1.2 Global Chip Scale Packaged (CSP) LEDs Sales Market Share by Company (2019-2024)

3.2 Global Chip Scale Packaged (CSP) LEDs Annual Revenue by Company (2019-2024)

3.2.1 Global Chip Scale Packaged (CSP) LEDs Revenue by Company (2019-2024)

3.2.2 Global Chip Scale Packaged (CSP) LEDs Revenue Market Share by Company (2019-2024)

3.3 Global Chip Scale Packaged (CSP) LEDs Sale Price by Company

3.4 Key Manufacturers Chip Scale Packaged (CSP) LEDs Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Chip Scale Packaged (CSP) LEDs Product Location Distribution

3.4.2 Players Chip Scale Packaged (CSP) LEDs Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)

3.6 New Products and Potential Entrants

3.7 Mergers & Acquisitions, Expansion

### **4 WORLD HISTORIC REVIEW FOR CHIP SCALE PACKAGED (CSP) LEDS BY GEOGRAPHIC REGION**

4.1 World Historic Chip Scale Packaged (CSP) LEDs Market Size by Geographic Region (2019-2024)

4.1.1 Global Chip Scale Packaged (CSP) LEDs Annual Sales by Geographic Region (2019-2024)

4.1.2 Global Chip Scale Packaged (CSP) LEDs Annual Revenue by Geographic Region (2019-2024)

4.2 World Historic Chip Scale Packaged (CSP) LEDs Market Size by Country/Region (2019-2024)

4.2.1 Global Chip Scale Packaged (CSP) LEDs Annual Sales by Country/Region (2019-2024)

4.2.2 Global Chip Scale Packaged (CSP) LEDs Annual Revenue by Country/Region (2019-2024)

4.3 Americas Chip Scale Packaged (CSP) LEDs Sales Growth

4.4 APAC Chip Scale Packaged (CSP) LEDs Sales Growth

4.5 Europe Chip Scale Packaged (CSP) LEDs Sales Growth

4.6 Middle East & Africa Chip Scale Packaged (CSP) LEDs Sales Growth

## **5 AMERICAS**

5.1 Americas Chip Scale Packaged (CSP) LEDs Sales by Country

5.1.1 Americas Chip Scale Packaged (CSP) LEDs Sales by Country (2019-2024)

5.1.2 Americas Chip Scale Packaged (CSP) LEDs Revenue by Country (2019-2024)

5.2 Americas Chip Scale Packaged (CSP) LEDs Sales by Type

5.3 Americas Chip Scale Packaged (CSP) LEDs Sales by Application

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

## **6 APAC**

6.1 APAC Chip Scale Packaged (CSP) LEDs Sales by Region

6.1.1 APAC Chip Scale Packaged (CSP) LEDs Sales by Region (2019-2024)

6.1.2 APAC Chip Scale Packaged (CSP) LEDs Revenue by Region (2019-2024)

6.2 APAC Chip Scale Packaged (CSP) LEDs Sales by Type

6.3 APAC Chip Scale Packaged (CSP) LEDs Sales by Application

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

## **7 EUROPE**

7.1 Europe Chip Scale Packaged (CSP) LEDs by Country



- 7.1.1 Europe Chip Scale Packaged (CSP) LEDs Sales by Country (2019-2024)
- 7.1.2 Europe Chip Scale Packaged (CSP) LEDs Revenue by Country (2019-2024)
- 7.2 Europe Chip Scale Packaged (CSP) LEDs Sales by Type
- 7.3 Europe Chip Scale Packaged (CSP) LEDs Sales by Application
- 7.4 Germany
- 7.5 France
- 7.6 UK
- 7.7 Italy
- 7.8 Russia

## **8 MIDDLE EAST & AFRICA**

- 8.1 Middle East & Africa Chip Scale Packaged (CSP) LEDs by Country
  - 8.1.1 Middle East & Africa Chip Scale Packaged (CSP) LEDs Sales by Country (2019-2024)
  - 8.1.2 Middle East & Africa Chip Scale Packaged (CSP) LEDs Revenue by Country (2019-2024)
- 8.2 Middle East & Africa Chip Scale Packaged (CSP) LEDs Sales by Type
- 8.3 Middle East & Africa Chip Scale Packaged (CSP) LEDs Sales by Application
- 8.4 Egypt
- 8.5 South Africa
- 8.6 Israel
- 8.7 Turkey
- 8.8 GCC Countries

## **9 MARKET DRIVERS, CHALLENGES AND TRENDS**

- 9.1 Market Drivers & Growth Opportunities
- 9.2 Market Challenges & Risks
- 9.3 Industry Trends

## **10 MANUFACTURING COST STRUCTURE ANALYSIS**

- 10.1 Raw Material and Suppliers
- 10.2 Manufacturing Cost Structure Analysis of Chip Scale Packaged (CSP) LEDs
- 10.3 Manufacturing Process Analysis of Chip Scale Packaged (CSP) LEDs
- 10.4 Industry Chain Structure of Chip Scale Packaged (CSP) LEDs

## **11 MARKETING, DISTRIBUTORS AND CUSTOMER**

## 11.1 Sales Channel

### 11.1.1 Direct Channels

### 11.1.2 Indirect Channels

## 11.2 Chip Scale Packaged (CSP) LEDs Distributors

## 11.3 Chip Scale Packaged (CSP) LEDs Customer

# **12 WORLD FORECAST REVIEW FOR CHIP SCALE PACKAGED (CSP) LEDs BY GEOGRAPHIC REGION**

## 12.1 Global Chip Scale Packaged (CSP) LEDs Market Size Forecast by Region

### 12.1.1 Global Chip Scale Packaged (CSP) LEDs Forecast by Region (2025-2030)

### 12.1.2 Global Chip Scale Packaged (CSP) LEDs Annual Revenue Forecast by Region (2025-2030)

## 12.2 Americas Forecast by Country

## 12.3 APAC Forecast by Region

## 12.4 Europe Forecast by Country

## 12.5 Middle East & Africa Forecast by Country

## 12.6 Global Chip Scale Packaged (CSP) LEDs Forecast by Type

## 12.7 Global Chip Scale Packaged (CSP) LEDs Forecast by Application

# **13 KEY PLAYERS ANALYSIS**

## 13.1 Lumileds

### 13.1.1 Lumileds Company Information

### 13.1.2 Lumileds Chip Scale Packaged (CSP) LEDs Product Portfolios and Specifications

### 13.1.3 Lumileds Chip Scale Packaged (CSP) LEDs Sales, Revenue, Price and Gross Margin (2019-2024)

### 13.1.4 Lumileds Main Business Overview

### 13.1.5 Lumileds Latest Developments

## 13.2 OSRAM

### 13.2.1 OSRAM Company Information

### 13.2.2 OSRAM Chip Scale Packaged (CSP) LEDs Product Portfolios and Specifications

### 13.2.3 OSRAM Chip Scale Packaged (CSP) LEDs Sales, Revenue, Price and Gross Margin (2019-2024)

### 13.2.4 OSRAM Main Business Overview

### 13.2.5 OSRAM Latest Developments

### 13.3 Samsung

#### 13.3.1 Samsung Company Information

#### 13.3.2 Samsung Chip Scale Packaged (CSP) LEDs Product Portfolios and Specifications

#### 13.3.3 Samsung Chip Scale Packaged (CSP) LEDs Sales, Revenue, Price and Gross Margin (2019-2024)

#### 13.3.4 Samsung Main Business Overview

#### 13.3.5 Samsung Latest Developments

### 13.4 Seoul Semiconductor

#### 13.4.1 Seoul Semiconductor Company Information

#### 13.4.2 Seoul Semiconductor Chip Scale Packaged (CSP) LEDs Product Portfolios and Specifications

#### 13.4.3 Seoul Semiconductor Chip Scale Packaged (CSP) LEDs Sales, Revenue, Price and Gross Margin (2019-2024)

#### 13.4.4 Seoul Semiconductor Main Business Overview

#### 13.4.5 Seoul Semiconductor Latest Developments

### 13.5 LG Innotek

#### 13.5.1 LG Innotek Company Information

#### 13.5.2 LG Innotek Chip Scale Packaged (CSP) LEDs Product Portfolios and Specifications

#### 13.5.3 LG Innotek Chip Scale Packaged (CSP) LEDs Sales, Revenue, Price and Gross Margin (2019-2024)

#### 13.5.4 LG Innotek Main Business Overview

#### 13.5.5 LG Innotek Latest Developments

### 13.6 Cree

#### 13.6.1 Cree Company Information

#### 13.6.2 Cree Chip Scale Packaged (CSP) LEDs Product Portfolios and Specifications

#### 13.6.3 Cree Chip Scale Packaged (CSP) LEDs Sales, Revenue, Price and Gross Margin (2019-2024)

#### 13.6.4 Cree Main Business Overview

#### 13.6.5 Cree Latest Developments

### 13.7 Genesis Photonics

#### 13.7.1 Genesis Photonics Company Information

#### 13.7.2 Genesis Photonics Chip Scale Packaged (CSP) LEDs Product Portfolios and Specifications

#### 13.7.3 Genesis Photonics Chip Scale Packaged (CSP) LEDs Sales, Revenue, Price and Gross Margin (2019-2024)

#### 13.7.4 Genesis Photonics Main Business Overview

#### 13.7.5 Genesis Photonics Latest Developments

## 13.8 Nichia

13.8.1 Nichia Company Information

13.8.2 Nichia Chip Scale Packaged (CSP) LEDs Product Portfolios and Specifications

13.8.3 Nichia Chip Scale Packaged (CSP) LEDs Sales, Revenue, Price and Gross Margin (2019-2024)

13.8.4 Nichia Main Business Overview

13.8.5 Nichia Latest Developments

## 13.9 EPISTAR

13.9.1 EPISTAR Company Information

13.9.2 EPISTAR Chip Scale Packaged (CSP) LEDs Product Portfolios and Specifications

13.9.3 EPISTAR Chip Scale Packaged (CSP) LEDs Sales, Revenue, Price and Gross Margin (2019-2024)

13.9.4 EPISTAR Main Business Overview

13.9.5 EPISTAR Latest Developments

## 13.10 Lumens

13.10.1 Lumens Company Information

13.10.2 Lumens Chip Scale Packaged (CSP) LEDs Product Portfolios and Specifications

13.10.3 Lumens Chip Scale Packaged (CSP) LEDs Sales, Revenue, Price and Gross Margin (2019-2024)

13.10.4 Lumens Main Business Overview

13.10.5 Lumens Latest Developments

## 14 RESEARCH FINDINGS AND CONCLUSION

## List Of Tables

### LIST OF TABLES

Table 1. Chip Scale Packaged (CSP) LEDs Annual Sales CAGR by Geographic Region (2019, 2023 & 2030) & (\$ millions)

Table 2. Chip Scale Packaged (CSP) LEDs Annual Sales CAGR by Country/Region (2019, 2023 & 2030) & (\$ millions)

Table 3. Major Players of Low & Mid-Power

Table 4. Major Players of High-Power

Table 5. Global Chip Scale Packaged (CSP) LEDs Sales by Type (2019-2024) & (K Units)

Table 6. Global Chip Scale Packaged (CSP) LEDs Sales Market Share by Type (2019-2024)

Table 7. Global Chip Scale Packaged (CSP) LEDs Revenue by Type (2019-2024) & (\$ million)

Table 8. Global Chip Scale Packaged (CSP) LEDs Revenue Market Share by Type (2019-2024)

Table 9. Global Chip Scale Packaged (CSP) LEDs Sale Price by Type (2019-2024) & (USD/Unit)

Table 10. Global Chip Scale Packaged (CSP) LEDs Sales by Application (2019-2024) & (K Units)

Table 11. Global Chip Scale Packaged (CSP) LEDs Sales Market Share by Application (2019-2024)

Table 12. Global Chip Scale Packaged (CSP) LEDs Revenue by Application (2019-2024)

Table 13. Global Chip Scale Packaged (CSP) LEDs Revenue Market Share by Application (2019-2024)

Table 14. Global Chip Scale Packaged (CSP) LEDs Sale Price by Application (2019-2024) & (USD/Unit)

Table 15. Global Chip Scale Packaged (CSP) LEDs Sales by Company (2019-2024) & (K Units)

Table 16. Global Chip Scale Packaged (CSP) LEDs Sales Market Share by Company (2019-2024)

Table 17. Global Chip Scale Packaged (CSP) LEDs Revenue by Company (2019-2024) (\$ Millions)

Table 18. Global Chip Scale Packaged (CSP) LEDs Revenue Market Share by Company (2019-2024)

Table 19. Global Chip Scale Packaged (CSP) LEDs Sale Price by Company

(2019-2024) & (USD/Unit)

Table 20. Key Manufacturers Chip Scale Packaged (CSP) LEDs Producing Area Distribution and Sales Area

Table 21. Players Chip Scale Packaged (CSP) LEDs Products Offered

Table 22. Chip Scale Packaged (CSP) LEDs Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)

Table 23. New Products and Potential Entrants

Table 24. Mergers & Acquisitions, Expansion

Table 25. Global Chip Scale Packaged (CSP) LEDs Sales by Geographic Region (2019-2024) & (K Units)

Table 26. Global Chip Scale Packaged (CSP) LEDs Sales Market Share Geographic Region (2019-2024)

Table 27. Global Chip Scale Packaged (CSP) LEDs Revenue by Geographic Region (2019-2024) & (\$ millions)

Table 28. Global Chip Scale Packaged (CSP) LEDs Revenue Market Share by Geographic Region (2019-2024)

Table 29. Global Chip Scale Packaged (CSP) LEDs Sales by Country/Region (2019-2024) & (K Units)

Table 30. Global Chip Scale Packaged (CSP) LEDs Sales Market Share by Country/Region (2019-2024)

Table 31. Global Chip Scale Packaged (CSP) LEDs Revenue by Country/Region (2019-2024) & (\$ millions)

Table 32. Global Chip Scale Packaged (CSP) LEDs Revenue Market Share by Country/Region (2019-2024)

Table 33. Americas Chip Scale Packaged (CSP) LEDs Sales by Country (2019-2024) & (K Units)

Table 34. Americas Chip Scale Packaged (CSP) LEDs Sales Market Share by Country (2019-2024)

Table 35. Americas Chip Scale Packaged (CSP) LEDs Revenue by Country (2019-2024) & (\$ Millions)

Table 36. Americas Chip Scale Packaged (CSP) LEDs Revenue Market Share by Country (2019-2024)

Table 37. Americas Chip Scale Packaged (CSP) LEDs Sales by Type (2019-2024) & (K Units)

Table 38. Americas Chip Scale Packaged (CSP) LEDs Sales by Application (2019-2024) & (K Units)

Table 39. APAC Chip Scale Packaged (CSP) LEDs Sales by Region (2019-2024) & (K Units)

Table 40. APAC Chip Scale Packaged (CSP) LEDs Sales Market Share by Region

(2019-2024)

Table 41. APAC Chip Scale Packaged (CSP) LEDs Revenue by Region (2019-2024) & (\$ Millions)

Table 42. APAC Chip Scale Packaged (CSP) LEDs Revenue Market Share by Region (2019-2024)

Table 43. APAC Chip Scale Packaged (CSP) LEDs Sales by Type (2019-2024) & (K Units)

Table 44. APAC Chip Scale Packaged (CSP) LEDs Sales by Application (2019-2024) & (K Units)

Table 45. Europe Chip Scale Packaged (CSP) LEDs Sales by Country (2019-2024) & (K Units)

Table 46. Europe Chip Scale Packaged (CSP) LEDs Sales Market Share by Country (2019-2024)

Table 47. Europe Chip Scale Packaged (CSP) LEDs Revenue by Country (2019-2024) & (\$ Millions)

Table 48. Europe Chip Scale Packaged (CSP) LEDs Revenue Market Share by Country (2019-2024)

Table 49. Europe Chip Scale Packaged (CSP) LEDs Sales by Type (2019-2024) & (K Units)

Table 50. Europe Chip Scale Packaged (CSP) LEDs Sales by Application (2019-2024) & (K Units)

Table 51. Middle East & Africa Chip Scale Packaged (CSP) LEDs Sales by Country (2019-2024) & (K Units)

Table 52. Middle East & Africa Chip Scale Packaged (CSP) LEDs Sales Market Share by Country (2019-2024)

Table 53. Middle East & Africa Chip Scale Packaged (CSP) LEDs Revenue by Country (2019-2024) & (\$ Millions)

Table 54. Middle East & Africa Chip Scale Packaged (CSP) LEDs Revenue Market Share by Country (2019-2024)

Table 55. Middle East & Africa Chip Scale Packaged (CSP) LEDs Sales by Type (2019-2024) & (K Units)

Table 56. Middle East & Africa Chip Scale Packaged (CSP) LEDs Sales by Application (2019-2024) & (K Units)

Table 57. Key Market Drivers & Growth Opportunities of Chip Scale Packaged (CSP) LEDs

Table 58. Key Market Challenges & Risks of Chip Scale Packaged (CSP) LEDs

Table 59. Key Industry Trends of Chip Scale Packaged (CSP) LEDs

Table 60. Chip Scale Packaged (CSP) LEDs Raw Material

Table 61. Key Suppliers of Raw Materials

Table 62. Chip Scale Packaged (CSP) LEDs Distributors List

Table 63. Chip Scale Packaged (CSP) LEDs Customer List

Table 64. Global Chip Scale Packaged (CSP) LEDs Sales Forecast by Region (2025-2030) & (K Units)

Table 65. Global Chip Scale Packaged (CSP) LEDs Revenue Forecast by Region (2025-2030) & (\$ millions)

Table 66. Americas Chip Scale Packaged (CSP) LEDs Sales Forecast by Country (2025-2030) & (K Units)

Table 67. Americas Chip Scale Packaged (CSP) LEDs Revenue Forecast by Country (2025-2030) & (\$ millions)

Table 68. APAC Chip Scale Packaged (CSP) LEDs Sales Forecast by Region (2025-2030) & (K Units)

Table 69. APAC Chip Scale Packaged (CSP) LEDs Revenue Forecast by Region (2025-2030) & (\$ millions)

Table 70. Europe Chip Scale Packaged (CSP) LEDs Sales Forecast by Country (2025-2030) & (K Units)

Table 71. Europe Chip Scale Packaged (CSP) LEDs Revenue Forecast by Country (2025-2030) & (\$ millions)

Table 72. Middle East & Africa Chip Scale Packaged (CSP) LEDs Sales Forecast by Country (2025-2030) & (K Units)

Table 73. Middle East & Africa Chip Scale Packaged (CSP) LEDs Revenue Forecast by Country (2025-2030) & (\$ millions)

Table 74. Global Chip Scale Packaged (CSP) LEDs Sales Forecast by Type (2025-2030) & (K Units)

Table 75. Global Chip Scale Packaged (CSP) LEDs Revenue Forecast by Type (2025-2030) & (\$ Millions)

Table 76. Global Chip Scale Packaged (CSP) LEDs Sales Forecast by Application (2025-2030) & (K Units)

Table 77. Global Chip Scale Packaged (CSP) LEDs Revenue Forecast by Application (2025-2030) & (\$ Millions)

Table 78. Lumileds Basic Information, Chip Scale Packaged (CSP) LEDs Manufacturing Base, Sales Area and Its Competitors

Table 79. Lumileds Chip Scale Packaged (CSP) LEDs Product Portfolios and Specifications

Table 80. Lumileds Chip Scale Packaged (CSP) LEDs Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 81. Lumileds Main Business

Table 82. Lumileds Latest Developments

Table 83. OSRAM Basic Information, Chip Scale Packaged (CSP) LEDs Manufacturing



Base, Sales Area and Its Competitors

Table 84. OSRAM Chip Scale Packaged (CSP) LEDs Product Portfolios and Specifications

Table 85. OSRAM Chip Scale Packaged (CSP) LEDs Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 86. OSRAM Main Business

Table 87. OSRAM Latest Developments

Table 88. Samsung Basic Information, Chip Scale Packaged (CSP) LEDs Manufacturing Base, Sales Area and Its Competitors

Table 89. Samsung Chip Scale Packaged (CSP) LEDs Product Portfolios and Specifications

Table 90. Samsung Chip Scale Packaged (CSP) LEDs Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 91. Samsung Main Business

Table 92. Samsung Latest Developments

Table 93. Seoul Semiconductor Basic Information, Chip Scale Packaged (CSP) LEDs Manufacturing Base, Sales Area and Its Competitors

Table 94. Seoul Semiconductor Chip Scale Packaged (CSP) LEDs Product Portfolios and Specifications

Table 95. Seoul Semiconductor Chip Scale Packaged (CSP) LEDs Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 96. Seoul Semiconductor Main Business

Table 97. Seoul Semiconductor Latest Developments

Table 98. LG Innotek Basic Information, Chip Scale Packaged (CSP) LEDs Manufacturing Base, Sales Area and Its Competitors

Table 99. LG Innotek Chip Scale Packaged (CSP) LEDs Product Portfolios and Specifications

Table 100. LG Innotek Chip Scale Packaged (CSP) LEDs Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 101. LG Innotek Main Business

Table 102. LG Innotek Latest Developments

Table 103. Cree Basic Information, Chip Scale Packaged (CSP) LEDs Manufacturing Base, Sales Area and Its Competitors

Table 104. Cree Chip Scale Packaged (CSP) LEDs Product Portfolios and Specifications

Table 105. Cree Chip Scale Packaged (CSP) LEDs Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 106. Cree Main Business

Table 107. Cree Latest Developments

Table 108. Genesis Photonics Basic Information, Chip Scale Packaged (CSP) LEDs Manufacturing Base, Sales Area and Its Competitors

Table 109. Genesis Photonics Chip Scale Packaged (CSP) LEDs Product Portfolios and Specifications

Table 110. Genesis Photonics Chip Scale Packaged (CSP) LEDs Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 111. Genesis Photonics Main Business

Table 112. Genesis Photonics Latest Developments

Table 113. Nichia Basic Information, Chip Scale Packaged (CSP) LEDs Manufacturing Base, Sales Area and Its Competitors

Table 114. Nichia Chip Scale Packaged (CSP) LEDs Product Portfolios and Specifications

Table 115. Nichia Chip Scale Packaged (CSP) LEDs Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 116. Nichia Main Business

Table 117. Nichia Latest Developments

Table 118. EPISTAR Basic Information, Chip Scale Packaged (CSP) LEDs Manufacturing Base, Sales Area and Its Competitors

Table 119. EPISTAR Chip Scale Packaged (CSP) LEDs Product Portfolios and Specifications

Table 120. EPISTAR Chip Scale Packaged (CSP) LEDs Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 121. EPISTAR Main Business

Table 122. EPISTAR Latest Developments

Table 123. Lumens Basic Information, Chip Scale Packaged (CSP) LEDs Manufacturing Base, Sales Area and Its Competitors

Table 124. Lumens Chip Scale Packaged (CSP) LEDs Product Portfolios and Specifications

Table 125. Lumens Chip Scale Packaged (CSP) LEDs Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 126. Lumens Main Business

Table 127. Lumens Latest Developments

## List Of Figures

### LIST OF FIGURES

- Figure 1. Picture of Chip Scale Packaged (CSP) LEDs
- Figure 2. Chip Scale Packaged (CSP) LEDs Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Chip Scale Packaged (CSP) LEDs Sales Growth Rate 2019-2030 (K Units)
- Figure 7. Global Chip Scale Packaged (CSP) LEDs Revenue Growth Rate 2019-2030 (\$ Millions)
- Figure 8. Chip Scale Packaged (CSP) LEDs Sales by Region (2019, 2023 & 2030) & (\$ Millions)
- Figure 9. Product Picture of Low & Mid-Power
- Figure 10. Product Picture of High-Power
- Figure 11. Global Chip Scale Packaged (CSP) LEDs Sales Market Share by Type in 2023
- Figure 12. Global Chip Scale Packaged (CSP) LEDs Revenue Market Share by Type (2019-2024)
- Figure 13. Chip Scale Packaged (CSP) LEDs Consumed in Backlighting Unit (BLU)
- Figure 14. Global Chip Scale Packaged (CSP) LEDs Market: Backlighting Unit (BLU) (2019-2024) & (K Units)
- Figure 15. Chip Scale Packaged (CSP) LEDs Consumed in General Lighting
- Figure 16. Global Chip Scale Packaged (CSP) LEDs Market: General Lighting (2019-2024) & (K Units)
- Figure 17. Chip Scale Packaged (CSP) LEDs Consumed in Flash Lighting
- Figure 18. Global Chip Scale Packaged (CSP) LEDs Market: Flash Lighting (2019-2024) & (K Units)
- Figure 19. Chip Scale Packaged (CSP) LEDs Consumed in Automotive
- Figure 20. Global Chip Scale Packaged (CSP) LEDs Market: Automotive (2019-2024) & (K Units)
- Figure 21. Chip Scale Packaged (CSP) LEDs Consumed in Others
- Figure 22. Global Chip Scale Packaged (CSP) LEDs Market: Others (2019-2024) & (K Units)
- Figure 23. Global Chip Scale Packaged (CSP) LEDs Sales Market Share by Application (2023)
- Figure 24. Global Chip Scale Packaged (CSP) LEDs Revenue Market Share by

Application in 2023

Figure 25. Chip Scale Packaged (CSP) LEDs Sales Market by Company in 2023 (K Units)

Figure 26. Global Chip Scale Packaged (CSP) LEDs Sales Market Share by Company in 2023

Figure 27. Chip Scale Packaged (CSP) LEDs Revenue Market by Company in 2023 (\$ Million)

Figure 28. Global Chip Scale Packaged (CSP) LEDs Revenue Market Share by Company in 2023

Figure 29. Global Chip Scale Packaged (CSP) LEDs Sales Market Share by Geographic Region (2019-2024)

Figure 30. Global Chip Scale Packaged (CSP) LEDs Revenue Market Share by Geographic Region in 2023

Figure 31. Americas Chip Scale Packaged (CSP) LEDs Sales 2019-2024 (K Units)

Figure 32. Americas Chip Scale Packaged (CSP) LEDs Revenue 2019-2024 (\$ Millions)

Figure 33. APAC Chip Scale Packaged (CSP) LEDs Sales 2019-2024 (K Units)

Figure 34. APAC Chip Scale Packaged (CSP) LEDs Revenue 2019-2024 (\$ Millions)

Figure 35. Europe Chip Scale Packaged (CSP) LEDs Sales 2019-2024 (K Units)

Figure 36. Europe Chip Scale Packaged (CSP) LEDs Revenue 2019-2024 (\$ Millions)

Figure 37. Middle East & Africa Chip Scale Packaged (CSP) LEDs Sales 2019-2024 (K Units)

Figure 38. Middle East & Africa Chip Scale Packaged (CSP) LEDs Revenue 2019-2024 (\$ Millions)

Figure 39. Americas Chip Scale Packaged (CSP) LEDs Sales Market Share by Country in 2023

Figure 40. Americas Chip Scale Packaged (CSP) LEDs Revenue Market Share by Country in 2023

Figure 41. Americas Chip Scale Packaged (CSP) LEDs Sales Market Share by Type (2019-2024)

Figure 42. Americas Chip Scale Packaged (CSP) LEDs Sales Market Share by Application (2019-2024)

Figure 43. United States Chip Scale Packaged (CSP) LEDs Revenue Growth 2019-2024 (\$ Millions)

Figure 44. Canada Chip Scale Packaged (CSP) LEDs Revenue Growth 2019-2024 (\$ Millions)

Figure 45. Mexico Chip Scale Packaged (CSP) LEDs Revenue Growth 2019-2024 (\$ Millions)

Figure 46. Brazil Chip Scale Packaged (CSP) LEDs Revenue Growth 2019-2024 (\$ Millions)

Figure 47. APAC Chip Scale Packaged (CSP) LEDs Sales Market Share by Region in 2023

Figure 48. APAC Chip Scale Packaged (CSP) LEDs Revenue Market Share by Regions in 2023

Figure 49. APAC Chip Scale Packaged (CSP) LEDs Sales Market Share by Type (2019-2024)

Figure 50. APAC Chip Scale Packaged (CSP) LEDs Sales Market Share by Application (2019-2024)

Figure 51. China Chip Scale Packaged (CSP) LEDs Revenue Growth 2019-2024 (\$ Millions)

Figure 52. Japan Chip Scale Packaged (CSP) LEDs Revenue Growth 2019-2024 (\$ Millions)

Figure 53. South Korea Chip Scale Packaged (CSP) LEDs Revenue Growth 2019-2024 (\$ Millions)

Figure 54. Southeast Asia Chip Scale Packaged (CSP) LEDs Revenue Growth 2019-2024 (\$ Millions)

Figure 55. India Chip Scale Packaged (CSP) LEDs Revenue Growth 2019-2024 (\$ Millions)

Figure 56. Australia Chip Scale Packaged (CSP) LEDs Revenue Growth 2019-2024 (\$ Millions)

Figure 57. China Taiwan Chip Scale Packaged (CSP) LEDs Revenue Growth 2019-2024 (\$ Millions)

Figure 58. Europe Chip Scale Packaged (CSP) LEDs Sales Market Share by Country in 2023

Figure 59. Europe Chip Scale Packaged (CSP) LEDs Revenue Market Share by Country in 2023

Figure 60. Europe Chip Scale Packaged (CSP) LEDs Sales Market Share by Type (2019-2024)

Figure 61. Europe Chip Scale Packaged (CSP) LEDs Sales Market Share by Application (2019-2024)

Figure 62. Germany Chip Scale Packaged (CSP) LEDs Revenue Growth 2019-2024 (\$ Millions)

Figure 63. France Chip Scale Packaged (CSP) LEDs Revenue Growth 2019-2024 (\$ Millions)

Figure 64. UK Chip Scale Packaged (CSP) LEDs Revenue Growth 2019-2024 (\$ Millions)

Figure 65. Italy Chip Scale Packaged (CSP) LEDs Revenue Growth 2019-2024 (\$ Millions)

Figure 66. Russia Chip Scale Packaged (CSP) LEDs Revenue Growth 2019-2024 (\$

Millions)

Figure 67. Middle East & Africa Chip Scale Packaged (CSP) LEDs Sales Market Share by Country in 2023

Figure 68. Middle East & Africa Chip Scale Packaged (CSP) LEDs Revenue Market Share by Country in 2023

Figure 69. Middle East & Africa Chip Scale Packaged (CSP) LEDs Sales Market Share by Type (2019-2024)

Figure 70. Middle East & Africa Chip Scale Packaged (CSP) LEDs Sales Market Share by Application (2019-2024)

Figure 71. Egypt Chip Scale Packaged (CSP) LEDs Revenue Growth 2019-2024 (\$ Millions)

Figure 72. South Africa Chip Scale Packaged (CSP) LEDs Revenue Growth 2019-2024 (\$ Millions)

Figure 73. Israel Chip Scale Packaged (CSP) LEDs Revenue Growth 2019-2024 (\$ Millions)

Figure 74. Turkey Chip Scale Packaged (CSP) LEDs Revenue Growth 2019-2024 (\$ Millions)

Figure 75. GCC Country Chip Scale Packaged (CSP) LEDs Revenue Growth 2019-2024 (\$ Millions)

Figure 76. Manufacturing Cost Structure Analysis of Chip Scale Packaged (CSP) LEDs in 2023

Figure 77. Manufacturing Process Analysis of Chip Scale Packaged (CSP) LEDs

Figure 78. Industry Chain Structure of Chip Scale Packaged (CSP) LEDs

Figure 79. Channels of Distribution

Figure 80. Global Chip Scale Packaged (CSP) LEDs Sales Market Forecast by Region (2025-2030)

Figure 81. Global Chip Scale Packaged (CSP) LEDs Revenue Market Share Forecast by Region (2025-2030)

Figure 82. Global Chip Scale Packaged (CSP) LEDs Sales Market Share Forecast by Type (2025-2030)

Figure 83. Global Chip Scale Packaged (CSP) LEDs Revenue Market Share Forecast by Type (2025-2030)

Figure 84. Global Chip Scale Packaged (CSP) LEDs Sales Market Share Forecast by Application (2025-2030)

Figure 85. Global Chip Scale Packaged (CSP) LEDs Revenue Market Share Forecast by Application (2025-2030)

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