

Global LED Secondary Optic Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

<https://marketpublishers.com/r/G97F49C4407EN.html>

Date: January 2023

Pages: 118

Price: US\$ 3,480.00 (Single User License)

ID: G97F49C4407EN

Abstracts

Secondary optics are those optics which exist outside of the LED package, such as reflector, TIR lenses, Fresnel lenses, and pillow lenses. Secondary optics are used to create the desired appearance and beam pattern of the LED signal lamp. LEDs generally emit light at a 120-degree viewing angle. LED applications that require more focused light often use a secondary optic that is placed over the LED, which internally reflects light into a spot, medium spot, wide spot or elliptical spot pattern. Secondary optics are used to modify the output beam of the LED such that the output beam of the finished signal lamp will efficiently meet the desired photometric specification. In addition, secondary optics serve an aesthetic purpose by determining the lit and unlit appearance of the signal lamp. The primary optic is included in the LED package, and the secondary optics are part of the finished signal lamp. There are two primary categories of secondary optics used, those that spread the incoming light (diverging optics), and those that gather the incoming light into a collimated beam (collimating optics).

According to our (Global Info Research) latest study, the global LED Secondary Optic market size was valued at USD 1626.8 million in 2022 and is forecast to a readjusted size of USD 5605.4 million by 2029 with a CAGR of 19.3% during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

Global LED Secondary Optic key players include Ledlink Optics, LEDIL Oy, Auer Lighting, Bicom Optics, GAGGIONE(Lednlight), etc. Global top five manufacturers hold a share about 20%. China is the largest market, with a share about 35%, followed by China Taiwan, with a share about 20 percent. In terms of product, LED Secondary Lens

is the largest segment, with a share about 85%. And in terms of application, the largest application is Commercial Lighting, followed by Street Lighting, Architectural Lighting, Indoor Lighting, Automotive Lighting, etc.

This report is a detailed and comprehensive analysis for global LED Secondary Optic 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 LED Secondary Optic market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2018-2029

Global LED Secondary Optic 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 LED Secondary Optic 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 LED Secondary Optic 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 LED Secondary Optic

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 LED Secondary Optic 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 Ledlink Optics, Carclo Optics, Auer Lighting, LEDIL Oy and FRAEN Corporation, 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

LED Secondary Optic 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

Reflector

LED Secondary Lens

Others

Market segment by Application

Street Lighting

Commercial Lighting

Architectural Lighting

Indoor Lighting

Automotive Lighting

Others

Major players covered

Ledlink Optics

Carclo Optics

Auer Lighting

LEDIL Oy

FRAEN Corporation

GAGGIONE (Lednlight)

Bicom Optics

Darkoo Optics

Aether systems Inc

B&M Optics

ShenZhen Likeda Optical

HENGLI Optical

Brightlx Limited

Kunrui optical

FORTECH

Chun Kuang Optics

Wuxi Kinglux Glass Lens

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 LED Secondary Optic product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of LED Secondary Optic, with price, sales, revenue and global market share of LED Secondary Optic from 2018 to 2023.

Chapter 3, the LED Secondary Optic competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the LED Secondary Optic 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 LED Secondary Optic 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 LED

Secondary Optic.

Chapter 14 and 15, to describe LED Secondary Optic sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope of LED Secondary Optic

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global LED Secondary Optic Consumption Value by Type: 2018 Versus 2022 Versus 2029

1.3.2 Reflector

1.3.3 LED Secondary Lens

1.3.4 Others

1.4 Market Analysis by Application

1.4.1 Overview: Global LED Secondary Optic Consumption Value by Application: 2018 Versus 2022 Versus 2029

1.4.2 Street Lighting

1.4.3 Commercial Lighting

1.4.4 Architectural Lighting

1.4.5 Indoor Lighting

1.4.6 Automotive Lighting

1.4.7 Others

1.5 Global LED Secondary Optic Market Size & Forecast

1.5.1 Global LED Secondary Optic Consumption Value (2018 & 2022 & 2029)

1.5.2 Global LED Secondary Optic Sales Quantity (2018-2029)

1.5.3 Global LED Secondary Optic Average Price (2018-2029)

2 MANUFACTURERS PROFILES

2.1 Ledlink Optics

2.1.1 Ledlink Optics Details

2.1.2 Ledlink Optics Major Business

2.1.3 Ledlink Optics LED Secondary Optic Product and Services

2.1.4 Ledlink Optics LED Secondary Optic Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.1.5 Ledlink Optics Recent Developments/Updates

2.2 Carclo Optics

2.2.1 Carclo Optics Details

2.2.2 Carclo Optics Major Business

2.2.3 Carclo Optics LED Secondary Optic Product and Services

2.2.4 Carclo Optics LED Secondary Optic Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.2.5 Carclo Optics Recent Developments/Updates

2.3 Auer Lighting

2.3.1 Auer Lighting Details

2.3.2 Auer Lighting Major Business

2.3.3 Auer Lighting LED Secondary Optic Product and Services

2.3.4 Auer Lighting LED Secondary Optic Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.3.5 Auer Lighting Recent Developments/Updates

2.4 LEDIL Oy

2.4.1 LEDIL Oy Details

2.4.2 LEDIL Oy Major Business

2.4.3 LEDIL Oy LED Secondary Optic Product and Services

2.4.4 LEDIL Oy LED Secondary Optic Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.4.5 LEDIL Oy Recent Developments/Updates

2.5 FRAEN Corporation

2.5.1 FRAEN Corporation Details

2.5.2 FRAEN Corporation Major Business

2.5.3 FRAEN Corporation LED Secondary Optic Product and Services

2.5.4 FRAEN Corporation LED Secondary Optic Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.5.5 FRAEN Corporation Recent Developments/Updates

2.6 GAGGIONE (Lednlight)

2.6.1 GAGGIONE (Lednlight) Details

2.6.2 GAGGIONE (Lednlight) Major Business

2.6.3 GAGGIONE (Lednlight) LED Secondary Optic Product and Services

2.6.4 GAGGIONE (Lednlight) LED Secondary Optic Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.6.5 GAGGIONE (Lednlight) Recent Developments/Updates

2.7 Bicom Optics

2.7.1 Bicom Optics Details

2.7.2 Bicom Optics Major Business

2.7.3 Bicom Optics LED Secondary Optic Product and Services

2.7.4 Bicom Optics LED Secondary Optic Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.7.5 Bicom Optics Recent Developments/Updates

2.8 Darkoo Optics

- 2.8.1 Darkoo Optics Details
- 2.8.2 Darkoo Optics Major Business
- 2.8.3 Darkoo Optics LED Secondary Optic Product and Services
- 2.8.4 Darkoo Optics LED Secondary Optic Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
- 2.8.5 Darkoo Optics Recent Developments/Updates
- 2.9 Aether systems Inc
 - 2.9.1 Aether systems Inc Details
 - 2.9.2 Aether systems Inc Major Business
 - 2.9.3 Aether systems Inc LED Secondary Optic Product and Services
 - 2.9.4 Aether systems Inc LED Secondary Optic Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.9.5 Aether systems Inc Recent Developments/Updates
- 2.10 B&M Optics
 - 2.10.1 B&M Optics Details
 - 2.10.2 B&M Optics Major Business
 - 2.10.3 B&M Optics LED Secondary Optic Product and Services
 - 2.10.4 B&M Optics LED Secondary Optic Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.10.5 B&M Optics Recent Developments/Updates
- 2.11 ShenZhen Likeda Optical
 - 2.11.1 ShenZhen Likeda Optical Details
 - 2.11.2 ShenZhen Likeda Optical Major Business
 - 2.11.3 ShenZhen Likeda Optical LED Secondary Optic Product and Services
 - 2.11.4 ShenZhen Likeda Optical LED Secondary Optic Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.11.5 ShenZhen Likeda Optical Recent Developments/Updates
- 2.12 HENGLI Optical
 - 2.12.1 HENGLI Optical Details
 - 2.12.2 HENGLI Optical Major Business
 - 2.12.3 HENGLI Optical LED Secondary Optic Product and Services
 - 2.12.4 HENGLI Optical LED Secondary Optic Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.12.5 HENGLI Optical Recent Developments/Updates
- 2.13 Brightlx Limited
 - 2.13.1 Brightlx Limited Details
 - 2.13.2 Brightlx Limited Major Business
 - 2.13.3 Brightlx Limited LED Secondary Optic Product and Services
 - 2.13.4 Brightlx Limited LED Secondary Optic Sales Quantity, Average Price, Revenue,

Gross Margin and Market Share (2018-2023)

2.13.5 Brightlx Limited Recent Developments/Updates

2.14 Kunrui optical

2.14.1 Kunrui optical Details

2.14.2 Kunrui optical Major Business

2.14.3 Kunrui optical LED Secondary Optic Product and Services

2.14.4 Kunrui optical LED Secondary Optic Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.14.5 Kunrui optical Recent Developments/Updates

2.15 FORTECH

2.15.1 FORTECH Details

2.15.2 FORTECH Major Business

2.15.3 FORTECH LED Secondary Optic Product and Services

2.15.4 FORTECH LED Secondary Optic Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.15.5 FORTECH Recent Developments/Updates

2.16 Chun Kuang Optics

2.16.1 Chun Kuang Optics Details

2.16.2 Chun Kuang Optics Major Business

2.16.3 Chun Kuang Optics LED Secondary Optic Product and Services

2.16.4 Chun Kuang Optics LED Secondary Optic Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.16.5 Chun Kuang Optics Recent Developments/Updates

2.17 Wuxi Kinglux Glass Lens

2.17.1 Wuxi Kinglux Glass Lens Details

2.17.2 Wuxi Kinglux Glass Lens Major Business

2.17.3 Wuxi Kinglux Glass Lens LED Secondary Optic Product and Services

2.17.4 Wuxi Kinglux Glass Lens LED Secondary Optic Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.17.5 Wuxi Kinglux Glass Lens Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: LED SECONDARY OPTIC BY MANUFACTURER

3.1 Global LED Secondary Optic Sales Quantity by Manufacturer (2018-2023)

3.2 Global LED Secondary Optic Revenue by Manufacturer (2018-2023)

3.3 Global LED Secondary Optic Average Price by Manufacturer (2018-2023)

3.4 Market Share Analysis (2022)

3.4.1 Producer Shipments of LED Secondary Optic by Manufacturer Revenue (\$MM) and Market Share (%): 2022

- 3.4.2 Top 3 LED Secondary Optic Manufacturer Market Share in 2022
- 3.4.2 Top 6 LED Secondary Optic Manufacturer Market Share in 2022
- 3.5 LED Secondary Optic Market: Overall Company Footprint Analysis
 - 3.5.1 LED Secondary Optic Market: Region Footprint
 - 3.5.2 LED Secondary Optic Market: Company Product Type Footprint
 - 3.5.3 LED Secondary Optic Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

- 4.1 Global LED Secondary Optic Market Size by Region
 - 4.1.1 Global LED Secondary Optic Sales Quantity by Region (2018-2029)
 - 4.1.2 Global LED Secondary Optic Consumption Value by Region (2018-2029)
 - 4.1.3 Global LED Secondary Optic Average Price by Region (2018-2029)
- 4.2 North America LED Secondary Optic Consumption Value (2018-2029)
- 4.3 Europe LED Secondary Optic Consumption Value (2018-2029)
- 4.4 Asia-Pacific LED Secondary Optic Consumption Value (2018-2029)
- 4.5 South America LED Secondary Optic Consumption Value (2018-2029)
- 4.6 Middle East and Africa LED Secondary Optic Consumption Value (2018-2029)

5 MARKET SEGMENT BY TYPE

- 5.1 Global LED Secondary Optic Sales Quantity by Type (2018-2029)
- 5.2 Global LED Secondary Optic Consumption Value by Type (2018-2029)
- 5.3 Global LED Secondary Optic Average Price by Type (2018-2029)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global LED Secondary Optic Sales Quantity by Application (2018-2029)
- 6.2 Global LED Secondary Optic Consumption Value by Application (2018-2029)
- 6.3 Global LED Secondary Optic Average Price by Application (2018-2029)

7 NORTH AMERICA

- 7.1 North America LED Secondary Optic Sales Quantity by Type (2018-2029)
- 7.2 North America LED Secondary Optic Sales Quantity by Application (2018-2029)
- 7.3 North America LED Secondary Optic Market Size by Country
 - 7.3.1 North America LED Secondary Optic Sales Quantity by Country (2018-2029)

7.3.2 North America LED Secondary Optic Consumption Value by Country (2018-2029)

7.3.3 United States Market Size and Forecast (2018-2029)

7.3.4 Canada Market Size and Forecast (2018-2029)

7.3.5 Mexico Market Size and Forecast (2018-2029)

8 EUROPE

8.1 Europe LED Secondary Optic Sales Quantity by Type (2018-2029)

8.2 Europe LED Secondary Optic Sales Quantity by Application (2018-2029)

8.3 Europe LED Secondary Optic Market Size by Country

8.3.1 Europe LED Secondary Optic Sales Quantity by Country (2018-2029)

8.3.2 Europe LED Secondary Optic Consumption Value by Country (2018-2029)

8.3.3 Germany Market Size and Forecast (2018-2029)

8.3.4 France Market Size and Forecast (2018-2029)

8.3.5 United Kingdom Market Size and Forecast (2018-2029)

8.3.6 Russia Market Size and Forecast (2018-2029)

8.3.7 Italy Market Size and Forecast (2018-2029)

9 ASIA-PACIFIC

9.1 Asia-Pacific LED Secondary Optic Sales Quantity by Type (2018-2029)

9.2 Asia-Pacific LED Secondary Optic Sales Quantity by Application (2018-2029)

9.3 Asia-Pacific LED Secondary Optic Market Size by Region

9.3.1 Asia-Pacific LED Secondary Optic Sales Quantity by Region (2018-2029)

9.3.2 Asia-Pacific LED Secondary Optic Consumption Value by Region (2018-2029)

9.3.3 China Market Size and Forecast (2018-2029)

9.3.4 Japan Market Size and Forecast (2018-2029)

9.3.5 Korea Market Size and Forecast (2018-2029)

9.3.6 India Market Size and Forecast (2018-2029)

9.3.7 Southeast Asia Market Size and Forecast (2018-2029)

9.3.8 Australia Market Size and Forecast (2018-2029)

10 SOUTH AMERICA

10.1 South America LED Secondary Optic Sales Quantity by Type (2018-2029)

10.2 South America LED Secondary Optic Sales Quantity by Application (2018-2029)

10.3 South America LED Secondary Optic Market Size by Country

10.3.1 South America LED Secondary Optic Sales Quantity by Country (2018-2029)

10.3.2 South America LED Secondary Optic Consumption Value by Country
(2018-2029)

10.3.3 Brazil Market Size and Forecast (2018-2029)

10.3.4 Argentina Market Size and Forecast (2018-2029)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa LED Secondary Optic Sales Quantity by Type (2018-2029)

11.2 Middle East & Africa LED Secondary Optic Sales Quantity by Application
(2018-2029)

11.3 Middle East & Africa LED Secondary Optic Market Size by Country

11.3.1 Middle East & Africa LED Secondary Optic Sales Quantity by Country
(2018-2029)

11.3.2 Middle East & Africa LED Secondary Optic Consumption Value by Country
(2018-2029)

11.3.3 Turkey Market Size and Forecast (2018-2029)

11.3.4 Egypt Market Size and Forecast (2018-2029)

11.3.5 Saudi Arabia Market Size and Forecast (2018-2029)

11.3.6 South Africa Market Size and Forecast (2018-2029)

12 MARKET DYNAMICS

12.1 LED Secondary Optic Market Drivers

12.2 LED Secondary Optic Market Restraints

12.3 LED Secondary Optic Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

12.5 Influence of COVID-19 and Russia-Ukraine War

12.5.1 Influence of COVID-19

12.5.2 Influence of Russia-Ukraine War

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of LED Secondary Optic and Key Manufacturers

13.2 Manufacturing Costs Percentage of LED Secondary Optic

13.3 LED Secondary Optic Production Process

13.4 LED Secondary Optic Industrial Chain

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 LED Secondary Optic Typical Distributors

14.3 LED Secondary Optic Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global LED Secondary Optic Consumption Value by Type, (USD Million), 2018 & 2022 & 2029

Table 2. Global LED Secondary Optic Consumption Value by Application, (USD Million), 2018 & 2022 & 2029

Table 3. Ledlink Optics Basic Information, Manufacturing Base and Competitors

Table 4. Ledlink Optics Major Business

Table 5. Ledlink Optics LED Secondary Optic Product and Services

Table 6. Ledlink Optics LED Secondary Optic Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 7. Ledlink Optics Recent Developments/Updates

Table 8. Carclo Optics Basic Information, Manufacturing Base and Competitors

Table 9. Carclo Optics Major Business

Table 10. Carclo Optics LED Secondary Optic Product and Services

Table 11. Carclo Optics LED Secondary Optic Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 12. Carclo Optics Recent Developments/Updates

Table 13. Auer Lighting Basic Information, Manufacturing Base and Competitors

Table 14. Auer Lighting Major Business

Table 15. Auer Lighting LED Secondary Optic Product and Services

Table 16. Auer Lighting LED Secondary Optic Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 17. Auer Lighting Recent Developments/Updates

Table 18. LEDIL Oy Basic Information, Manufacturing Base and Competitors

Table 19. LEDIL Oy Major Business

Table 20. LEDIL Oy LED Secondary Optic Product and Services

Table 21. LEDIL Oy LED Secondary Optic Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 22. LEDIL Oy Recent Developments/Updates

Table 23. FRAEN Corporation Basic Information, Manufacturing Base and Competitors

Table 24. FRAEN Corporation Major Business

Table 25. FRAEN Corporation LED Secondary Optic Product and Services

Table 26. FRAEN Corporation LED Secondary Optic Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 27. FRAEN Corporation Recent Developments/Updates

Table 28. GAGGIONE (Lednlight) Basic Information, Manufacturing Base and

Competitors

Table 29. GAGGIONE (Lednlight) Major Business

Table 30. GAGGIONE (Lednlight) LED Secondary Optic Product and Services

Table 31. GAGGIONE (Lednlight) LED Secondary Optic Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 32. GAGGIONE (Lednlight) Recent Developments/Updates

Table 33. Bicom Optics Basic Information, Manufacturing Base and Competitors

Table 34. Bicom Optics Major Business

Table 35. Bicom Optics LED Secondary Optic Product and Services

Table 36. Bicom Optics LED Secondary Optic Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 37. Bicom Optics Recent Developments/Updates

Table 38. Darkoo Optics Basic Information, Manufacturing Base and Competitors

Table 39. Darkoo Optics Major Business

Table 40. Darkoo Optics LED Secondary Optic Product and Services

Table 41. Darkoo Optics LED Secondary Optic Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 42. Darkoo Optics Recent Developments/Updates

Table 43. Aether systems Inc Basic Information, Manufacturing Base and Competitors

Table 44. Aether systems Inc Major Business

Table 45. Aether systems Inc LED Secondary Optic Product and Services

Table 46. Aether systems Inc LED Secondary Optic Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 47. Aether systems Inc Recent Developments/Updates

Table 48. B&M Optics Basic Information, Manufacturing Base and Competitors

Table 49. B&M Optics Major Business

Table 50. B&M Optics LED Secondary Optic Product and Services

Table 51. B&M Optics LED Secondary Optic Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 52. B&M Optics Recent Developments/Updates

Table 53. ShenZhen Likeda Optical Basic Information, Manufacturing Base and Competitors

Table 54. ShenZhen Likeda Optical Major Business

Table 55. ShenZhen Likeda Optical LED Secondary Optic Product and Services

Table 56. ShenZhen Likeda Optical LED Secondary Optic Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 57. ShenZhen Likeda Optical Recent Developments/Updates

Table 58. HENGLI Optical Basic Information, Manufacturing Base and Competitors

Table 59. HENGLI Optical Major Business

Table 60. HENGLI Optical LED Secondary Optic Product and Services

Table 61. HENGLI Optical LED Secondary Optic Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 62. HENGLI Optical Recent Developments/Updates

Table 63. Brightlx Limited Basic Information, Manufacturing Base and Competitors

Table 64. Brightlx Limited Major Business

Table 65. Brightlx Limited LED Secondary Optic Product and Services

Table 66. Brightlx Limited LED Secondary Optic Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 67. Brightlx Limited Recent Developments/Updates

Table 68. Kunrui optical Basic Information, Manufacturing Base and Competitors

Table 69. Kunrui optical Major Business

Table 70. Kunrui optical LED Secondary Optic Product and Services

Table 71. Kunrui optical LED Secondary Optic Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 72. Kunrui optical Recent Developments/Updates

Table 73. FORTECH Basic Information, Manufacturing Base and Competitors

Table 74. FORTECH Major Business

Table 75. FORTECH LED Secondary Optic Product and Services

Table 76. FORTECH LED Secondary Optic Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 77. FORTECH Recent Developments/Updates

Table 78. Chun Kuang Optics Basic Information, Manufacturing Base and Competitors

Table 79. Chun Kuang Optics Major Business

Table 80. Chun Kuang Optics LED Secondary Optic Product and Services

Table 81. Chun Kuang Optics LED Secondary Optic Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 82. Chun Kuang Optics Recent Developments/Updates

Table 83. Wuxi Kinglux Glass Lens Basic Information, Manufacturing Base and Competitors

Table 84. Wuxi Kinglux Glass Lens Major Business

Table 85. Wuxi Kinglux Glass Lens LED Secondary Optic Product and Services

Table 86. Wuxi Kinglux Glass Lens LED Secondary Optic Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 87. Wuxi Kinglux Glass Lens Recent Developments/Updates

Table 88. Global LED Secondary Optic Sales Quantity by Manufacturer (2018-2023) &

(K Units)

Table 89. Global LED Secondary Optic Revenue by Manufacturer (2018-2023) & (USD Million)

Table 90. Global LED Secondary Optic Average Price by Manufacturer (2018-2023) & (USD/Unit)

Table 91. Market Position of Manufacturers in LED Secondary Optic, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2022

Table 92. Head Office and LED Secondary Optic Production Site of Key Manufacturer

Table 93. LED Secondary Optic Market: Company Product Type Footprint

Table 94. LED Secondary Optic Market: Company Product Application Footprint

Table 95. LED Secondary Optic New Market Entrants and Barriers to Market Entry

Table 96. LED Secondary Optic Mergers, Acquisition, Agreements, and Collaborations

Table 97. Global LED Secondary Optic Sales Quantity by Region (2018-2023) & (K Units)

Table 98. Global LED Secondary Optic Sales Quantity by Region (2024-2029) & (K Units)

Table 99. Global LED Secondary Optic Consumption Value by Region (2018-2023) & (USD Million)

Table 100. Global LED Secondary Optic Consumption Value by Region (2024-2029) & (USD Million)

Table 101. Global LED Secondary Optic Average Price by Region (2018-2023) & (USD/Unit)

Table 102. Global LED Secondary Optic Average Price by Region (2024-2029) & (USD/Unit)

Table 103. Global LED Secondary Optic Sales Quantity by Type (2018-2023) & (K Units)

Table 104. Global LED Secondary Optic Sales Quantity by Type (2024-2029) & (K Units)

Table 105. Global LED Secondary Optic Consumption Value by Type (2018-2023) & (USD Million)

Table 106. Global LED Secondary Optic Consumption Value by Type (2024-2029) & (USD Million)

Table 107. Global LED Secondary Optic Average Price by Type (2018-2023) & (USD/Unit)

Table 108. Global LED Secondary Optic Average Price by Type (2024-2029) & (USD/Unit)

Table 109. Global LED Secondary Optic Sales Quantity by Application (2018-2023) & (K Units)

Table 110. Global LED Secondary Optic Sales Quantity by Application (2024-2029) &

(K Units)

Table 111. Global LED Secondary Optic Consumption Value by Application (2018-2023) & (USD Million)

Table 112. Global LED Secondary Optic Consumption Value by Application (2024-2029) & (USD Million)

Table 113. Global LED Secondary Optic Average Price by Application (2018-2023) & (USD/Unit)

Table 114. Global LED Secondary Optic Average Price by Application (2024-2029) & (USD/Unit)

Table 115. North America LED Secondary Optic Sales Quantity by Type (2018-2023) & (K Units)

Table 116. North America LED Secondary Optic Sales Quantity by Type (2024-2029) & (K Units)

Table 117. North America LED Secondary Optic Sales Quantity by Application (2018-2023) & (K Units)

Table 118. North America LED Secondary Optic Sales Quantity by Application (2024-2029) & (K Units)

Table 119. North America LED Secondary Optic Sales Quantity by Country (2018-2023) & (K Units)

Table 120. North America LED Secondary Optic Sales Quantity by Country (2024-2029) & (K Units)

Table 121. North America LED Secondary Optic Consumption Value by Country (2018-2023) & (USD Million)

Table 122. North America LED Secondary Optic Consumption Value by Country (2024-2029) & (USD Million)

Table 123. Europe LED Secondary Optic Sales Quantity by Type (2018-2023) & (K Units)

Table 124. Europe LED Secondary Optic Sales Quantity by Type (2024-2029) & (K Units)

Table 125. Europe LED Secondary Optic Sales Quantity by Application (2018-2023) & (K Units)

Table 126. Europe LED Secondary Optic Sales Quantity by Application (2024-2029) & (K Units)

Table 127. Europe LED Secondary Optic Sales Quantity by Country (2018-2023) & (K Units)

Table 128. Europe LED Secondary Optic Sales Quantity by Country (2024-2029) & (K Units)

Table 129. Europe LED Secondary Optic Consumption Value by Country (2018-2023) & (USD Million)

Table 130. Europe LED Secondary Optic Consumption Value by Country (2024-2029) & (USD Million)

Table 131. Asia-Pacific LED Secondary Optic Sales Quantity by Type (2018-2023) & (K Units)

Table 132. Asia-Pacific LED Secondary Optic Sales Quantity by Type (2024-2029) & (K Units)

Table 133. Asia-Pacific LED Secondary Optic Sales Quantity by Application (2018-2023) & (K Units)

Table 134. Asia-Pacific LED Secondary Optic Sales Quantity by Application (2024-2029) & (K Units)

Table 135. Asia-Pacific LED Secondary Optic Sales Quantity by Region (2018-2023) & (K Units)

Table 136. Asia-Pacific LED Secondary Optic Sales Quantity by Region (2024-2029) & (K Units)

Table 137. Asia-Pacific LED Secondary Optic Consumption Value by Region (2018-2023) & (USD Million)

Table 138. Asia-Pacific LED Secondary Optic Consumption Value by Region (2024-2029) & (USD Million)

Table 139. South America LED Secondary Optic Sales Quantity by Type (2018-2023) & (K Units)

Table 140. South America LED Secondary Optic Sales Quantity by Type (2024-2029) & (K Units)

Table 141. South America LED Secondary Optic Sales Quantity by Application (2018-2023) & (K Units)

Table 142. South America LED Secondary Optic Sales Quantity by Application (2024-2029) & (K Units)

Table 143. South America LED Secondary Optic Sales Quantity by Country (2018-2023) & (K Units)

Table 144. South America LED Secondary Optic Sales Quantity by Country (2024-2029) & (K Units)

Table 145. South America LED Secondary Optic Consumption Value by Country (2018-2023) & (USD Million)

Table 146. South America LED Secondary Optic Consumption Value by Country (2024-2029) & (USD Million)

Table 147. Middle East & Africa LED Secondary Optic Sales Quantity by Type (2018-2023) & (K Units)

Table 148. Middle East & Africa LED Secondary Optic Sales Quantity by Type (2024-2029) & (K Units)

Table 149. Middle East & Africa LED Secondary Optic Sales Quantity by Application

(2018-2023) & (K Units)

Table 150. Middle East & Africa LED Secondary Optic Sales Quantity by Application
(2024-2029) & (K Units)

Table 151. Middle East & Africa LED Secondary Optic Sales Quantity by Region
(2018-2023) & (K Units)

Table 152. Middle East & Africa LED Secondary Optic Sales Quantity by Region
(2024-2029) & (K Units)

Table 153. Middle East & Africa LED Secondary Optic Consumption Value by Region
(2018-2023) & (USD Million)

Table 154. Middle East & Africa LED Secondary Optic Consumption Value by Region
(2024-2029) & (USD Million)

Table 155. LED Secondary Optic Raw Material

Table 156. Key Manufacturers of LED Secondary Optic Raw Materials

Table 157. LED Secondary Optic Typical Distributors

Table 158. LED Secondary Optic Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. LED Secondary Optic Picture

Figure 2. Global LED Secondary Optic Consumption Value by Type, (USD Million), 2018 & 2022 & 2029

Figure 3. Global LED Secondary Optic Consumption Value Market Share by Type in 2022

Figure 4. Reflector Examples

Figure 5. LED Secondary Lens Examples

Figure 6. Others Examples

Figure 7. Global LED Secondary Optic Consumption Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 8. Global LED Secondary Optic Consumption Value Market Share by Application in 2022

Figure 9. Street Lighting Examples

Figure 10. Commercial Lighting Examples

Figure 11. Architectural Lighting Examples

Figure 12. Indoor Lighting Examples

Figure 13. Automotive Lighting Examples

Figure 14. Others Examples

Figure 15. Global LED Secondary Optic Consumption Value, (USD Million): 2018 & 2022 & 2029

Figure 16. Global LED Secondary Optic Consumption Value and Forecast (2018-2029) & (USD Million)

Figure 17. Global LED Secondary Optic Sales Quantity (2018-2029) & (K Units)

Figure 18. Global LED Secondary Optic Average Price (2018-2029) & (USD/Unit)

Figure 19. Global LED Secondary Optic Sales Quantity Market Share by Manufacturer in 2022

Figure 20. Global LED Secondary Optic Consumption Value Market Share by Manufacturer in 2022

Figure 21. Producer Shipments of LED Secondary Optic by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2021

Figure 22. Top 3 LED Secondary Optic Manufacturer (Consumption Value) Market Share in 2022

Figure 23. Top 6 LED Secondary Optic Manufacturer (Consumption Value) Market Share in 2022

Figure 24. Global LED Secondary Optic Sales Quantity Market Share by Region

(2018-2029)

Figure 25. Global LED Secondary Optic Consumption Value Market Share by Region (2018-2029)

Figure 26. North America LED Secondary Optic Consumption Value (2018-2029) & (USD Million)

Figure 27. Europe LED Secondary Optic Consumption Value (2018-2029) & (USD Million)

Figure 28. Asia-Pacific LED Secondary Optic Consumption Value (2018-2029) & (USD Million)

Figure 29. South America LED Secondary Optic Consumption Value (2018-2029) & (USD Million)

Figure 30. Middle East & Africa LED Secondary Optic Consumption Value (2018-2029) & (USD Million)

Figure 31. Global LED Secondary Optic Sales Quantity Market Share by Type (2018-2029)

Figure 32. Global LED Secondary Optic Consumption Value Market Share by Type (2018-2029)

Figure 33. Global LED Secondary Optic Average Price by Type (2018-2029) & (USD/Unit)

Figure 34. Global LED Secondary Optic Sales Quantity Market Share by Application (2018-2029)

Figure 35. Global LED Secondary Optic Consumption Value Market Share by Application (2018-2029)

Figure 36. Global LED Secondary Optic Average Price by Application (2018-2029) & (USD/Unit)

Figure 37. North America LED Secondary Optic Sales Quantity Market Share by Type (2018-2029)

Figure 38. North America LED Secondary Optic Sales Quantity Market Share by Application (2018-2029)

Figure 39. North America LED Secondary Optic Sales Quantity Market Share by Country (2018-2029)

Figure 40. North America LED Secondary Optic Consumption Value Market Share by Country (2018-2029)

Figure 41. United States LED Secondary Optic Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 42. Canada LED Secondary Optic Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 43. Mexico LED Secondary Optic Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 44. Europe LED Secondary Optic Sales Quantity Market Share by Type (2018-2029)

Figure 45. Europe LED Secondary Optic Sales Quantity Market Share by Application (2018-2029)

Figure 46. Europe LED Secondary Optic Sales Quantity Market Share by Country (2018-2029)

Figure 47. Europe LED Secondary Optic Consumption Value Market Share by Country (2018-2029)

Figure 48. Germany LED Secondary Optic Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 49. France LED Secondary Optic Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 50. United Kingdom LED Secondary Optic Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 51. Russia LED Secondary Optic Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 52. Italy LED Secondary Optic Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 53. Asia-Pacific LED Secondary Optic Sales Quantity Market Share by Type (2018-2029)

Figure 54. Asia-Pacific LED Secondary Optic Sales Quantity Market Share by Application (2018-2029)

Figure 55. Asia-Pacific LED Secondary Optic Sales Quantity Market Share by Region (2018-2029)

Figure 56. Asia-Pacific LED Secondary Optic Consumption Value Market Share by Region (2018-2029)

Figure 57. China LED Secondary Optic Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 58. Japan LED Secondary Optic Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 59. Korea LED Secondary Optic Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 60. India LED Secondary Optic Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 61. Southeast Asia LED Secondary Optic Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 62. Australia LED Secondary Optic Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 63. South America LED Secondary Optic Sales Quantity Market Share by Type

(2018-2029)

Figure 64. South America LED Secondary Optic Sales Quantity Market Share by Application (2018-2029)

Figure 65. South America LED Secondary Optic Sales Quantity Market Share by Country (2018-2029)

Figure 66. South America LED Secondary Optic Consumption Value Market Share by Country (2018-2029)

Figure 67. Brazil LED Secondary Optic Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 68. Argentina LED Secondary Optic Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 69. Middle East & Africa LED Secondary Optic Sales Quantity Market Share by Type (2018-2029)

Figure 70. Middle East & Africa LED Secondary Optic Sales Quantity Market Share by Application (2018-2029)

Figure 71. Middle East & Africa LED Secondary Optic Sales Quantity Market Share by Region (2018-2029)

Figure 72. Middle East & Africa LED Secondary Optic Consumption Value Market Share by Region (2018-2029)

Figure 73. Turkey LED Secondary Optic Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 74. Egypt LED Secondary Optic Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 75. Saudi Arabia LED Secondary Optic Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 76. South Africa LED Secondary Optic Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 77. LED Secondary Optic Market Drivers

Figure 78. LED Secondary Optic Market Restraints

Figure 79. LED Secondary Optic Market Trends

Figure 80. Porters Five Forces Analysis

Figure 81. Manufacturing Cost Structure Analysis of LED Secondary Optic in 2022

Figure 82. Manufacturing Process Analysis of LED Secondary Optic

Figure 83. LED Secondary Optic Industrial Chain

Figure 84. Sales Quantity Channel: Direct to End-User vs Distributors

Figure 85. Direct Channel Pros & Cons

Figure 86. Indirect Channel Pros & Cons

Figure 87. Methodology

Figure 88. Research Process and Data Source

I would like to order

Product name: Global LED Secondary Optic Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

Product link: <https://marketpublishers.com/r/G97F49C4407EN.html>

Price: US\$ 3,480.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G97F49C4407EN.html>