

Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) LED Secondary Optic Market 2018, Forecast to 2023

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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).

Scope of the Report:

This report focuses on the LED Secondary Optic in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application. The industry is expected to remain innovation-led, with frequent acquisitions and strategic alliances adopted as the key strategies by the players to increase their industry presence. Meanwhile, optimize product mix and further develop value-added capabilities to maximize margins.

Manufacturers can take advantage of this situation by reinforcing their production units and supply-chains to avoid any delay in production turn-around-times (TAT) and supply-lead-times.

Price in US and EU is much higher than that of China and other developing countries due to their high quality and powerful functionalities. Developing countries such as China and India is more likely to attract more investment opportunity for their potential demand.

The worldwide market for LED Secondary Optic is expected to grow at a CAGR of roughly 23.0% over the next five years, will reach 2370 million US\$ in 2023, from 690 million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

Ledlink Optics

Carclo Optics

Auer Lighting

LEDIL Oy

FRAEN Corporation

GAGGIONE (Lednlight)

Bicom Optics

Darkoo Optics

Aether systems Inc

B&M Optics Co., Ltd

ShenZhen Likeda Optical

HENGLI Optical

Brightlx Limited

Kunrui optical

FORTECH

Chun Kuang Optics

Wuxi Kinglux Glass Lens

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

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

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Reflector

LED Secondary Lens

Others

Market Segment by Applications, can be divided into

Street Lighting

Commercial Lighting

Architectural Lighting

Indoor Lighting

Automotive Lighting

Others

There are 15 Chapters to deeply display the global LED Secondary Optic market.

Chapter 1, to describe LED Secondary Optic Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of LED Secondary Optic, with sales, revenue, and price of LED Secondary Optic, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of LED Secondary Optic, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, LED Secondary Optic market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe LED Secondary Optic sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

Contents

1 MARKET OVERVIEW

- 1.1 LED Secondary Optic Introduction
- 1.2 Market Analysis by Type
 - 1.2.1 Reflector
 - 1.2.2 LED Secondary Lens
 - 1.2.3 Others
- 1.3 Market Analysis by Applications
 - 1.3.1 Street Lighting
 - 1.3.2 Commercial Lighting
 - 1.3.3 Architectural Lighting
 - 1.3.4 Indoor Lighting
 - 1.3.5 Automotive Lighting
 - 1.3.6 Others
- 1.4 Market Analysis by Regions
 - 1.4.1 North America (United States, Canada and Mexico)
 - 1.4.1.1 United States Market States and Outlook (2013-2023)
 - 1.4.1.2 Canada Market States and Outlook (2013-2023)
 - 1.4.1.3 Mexico Market States and Outlook (2013-2023)
 - 1.4.2 Europe (Germany, France, UK, Russia and Italy)
 - 1.4.2.1 Germany Market States and Outlook (2013-2023)
 - 1.4.2.2 France Market States and Outlook (2013-2023)
 - 1.4.2.3 UK Market States and Outlook (2013-2023)
 - 1.4.2.4 Russia Market States and Outlook (2013-2023)
 - 1.4.2.5 Italy Market States and Outlook (2013-2023)
 - 1.4.3 Asia-Pacific (China, Japan, Korea, India and Southeast Asia)
 - 1.4.3.1 China Market States and Outlook (2013-2023)
 - 1.4.3.2 Japan Market States and Outlook (2013-2023)
 - 1.4.3.3 Korea Market States and Outlook (2013-2023)
 - 1.4.3.4 India Market States and Outlook (2013-2023)
 - 1.4.3.5 Southeast Asia Market States and Outlook (2013-2023)
 - 1.4.4 South America, Middle East and Africa
 - 1.4.4.1 Brazil Market States and Outlook (2013-2023)
 - 1.4.4.2 Egypt Market States and Outlook (2013-2023)
 - 1.4.4.3 Saudi Arabia Market States and Outlook (2013-2023)
 - 1.4.4.4 South Africa Market States and Outlook (2013-2023)
 - 1.4.4.5 Nigeria Market States and Outlook (2013-2023)

1.5 Market Dynamics

1.5.1 Market Opportunities

1.5.2 Market Risk

1.5.3 Market Driving Force

2 MANUFACTURERS PROFILES

2.1 Ledlink Optics

2.1.1 Business Overview

2.1.1.1 Ledlink Optics Description

2.1.1.2 Ledlink Optics Headquarter, Main Business and Finance Overview

2.1.2 Ledlink Optics LED Secondary Optic Product Introduction

2.1.2.1 LED Secondary Optic Production Bases, Sales Regions and Major Competitors

2.1.2.2 LED Secondary Optic Product Information

2.1.3 Ledlink Optics LED Secondary Optic Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.1.3.1 Ledlink Optics LED Secondary Optic Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.1.3.2 Global Ledlink Optics LED Secondary Optic Market Share in 2017

2.2 Carclo Optics

2.2.1 Business Overview

2.2.1.1 Carclo Optics Description

2.2.1.2 Carclo Optics Headquarter, Main Business and Finance Overview

2.2.2 Carclo Optics LED Secondary Optic Product Introduction

2.2.2.1 LED Secondary Optic Production Bases, Sales Regions and Major Competitors

2.2.2.2 LED Secondary Optic Product Information

2.2.3 Carclo Optics LED Secondary Optic Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.2.3.1 Carclo Optics LED Secondary Optic Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.2.3.2 Global Carclo Optics LED Secondary Optic Market Share in 2017

2.3 Auer Lighting

2.3.1 Business Overview

2.3.1.1 Auer Lighting Description

2.3.1.2 Auer Lighting Headquarter, Main Business and Finance Overview

2.3.2 Auer Lighting LED Secondary Optic Product Introduction

2.3.2.1 LED Secondary Optic Production Bases, Sales Regions and Major

Competitors

2.3.2.2 LED Secondary Optic Product Information

2.3.3 Auer Lighting LED Secondary Optic Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.3.3.1 Auer Lighting LED Secondary Optic Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.3.3.2 Global Auer Lighting LED Secondary Optic Market Share in 2017

2.4 LEDIL Oy

2.4.1 Business Overview

2.4.1.1 LEDIL Oy Description

2.4.1.2 LEDIL Oy Headquarter, Main Business and Finance Overview

2.4.2 LEDIL Oy LED Secondary Optic Product Introduction

2.4.2.1 LED Secondary Optic Production Bases, Sales Regions and Major

Competitors

2.4.2.2 LED Secondary Optic Product Information

2.4.3 LEDIL Oy LED Secondary Optic Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.4.3.1 LEDIL Oy LED Secondary Optic Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.4.3.2 Global LEDIL Oy LED Secondary Optic Market Share in 2017

2.5 FRAEN Corporation

2.5.1 Business Overview

2.5.1.1 FRAEN Corporation Description

2.5.1.2 FRAEN Corporation Headquarter, Main Business and Finance Overview

2.5.2 FRAEN Corporation LED Secondary Optic Product Introduction

2.5.2.1 LED Secondary Optic Production Bases, Sales Regions and Major

Competitors

2.5.2.2 LED Secondary Optic Product Information

2.5.3 FRAEN Corporation LED Secondary Optic Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.5.3.1 FRAEN Corporation LED Secondary Optic Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.5.3.2 Global FRAEN Corporation LED Secondary Optic Market Share in 2017

2.6 GAGGIONE (Lednlight)

2.6.1 Business Overview

2.6.1.1 GAGGIONE (Lednlight) Description

2.6.1.2 GAGGIONE (Lednlight) Headquarter, Main Business and Finance Overview

2.6.2 GAGGIONE (Lednlight) LED Secondary Optic Product Introduction

2.6.2.1 LED Secondary Optic Production Bases, Sales Regions and Major

Competitors

2.6.2.2 LED Secondary Optic Product Information

2.6.3 GAGGIONE (Lednlight) LED Secondary Optic Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.6.3.1 GAGGIONE (Lednlight) LED Secondary Optic Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.6.3.2 Global GAGGIONE (Lednlight) LED Secondary Optic Market Share in 2017

2.7 Bicom Optics

2.7.1 Business Overview

2.7.1.1 Bicom Optics Description

2.7.1.2 Bicom Optics Headquarter, Main Business and Finance Overview

2.7.2 Bicom Optics LED Secondary Optic Product Introduction

2.7.2.1 LED Secondary Optic Production Bases, Sales Regions and Major

Competitors

2.7.2.2 LED Secondary Optic Product Information

2.7.3 Bicom Optics LED Secondary Optic Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.7.3.1 Bicom Optics LED Secondary Optic Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.7.3.2 Global Bicom Optics LED Secondary Optic Market Share in 2017

2.8 Darkoo Optics

2.8.1 Business Overview

2.8.1.1 Darkoo Optics Description

2.8.1.2 Darkoo Optics Headquarter, Main Business and Finance Overview

2.8.2 Darkoo Optics LED Secondary Optic Product Introduction

2.8.2.1 LED Secondary Optic Production Bases, Sales Regions and Major

Competitors

2.8.2.2 LED Secondary Optic Product Information

2.8.3 Darkoo Optics LED Secondary Optic Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.8.3.1 Darkoo Optics LED Secondary Optic Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.8.3.2 Global Darkoo Optics LED Secondary Optic Market Share in 2017

2.9 Aether systems Inc

2.9.1 Business Overview

2.9.1.1 Aether systems Inc Description

2.9.1.2 Aether systems Inc Headquarter, Main Business and Finance Overview

2.9.2 Aether systems Inc LED Secondary Optic Product Introduction

2.9.2.1 LED Secondary Optic Production Bases, Sales Regions and Major

Competitors

2.9.2.2 LED Secondary Optic Product Information

2.9.3 Aether systems Inc LED Secondary Optic Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.9.3.1 Aether systems Inc LED Secondary Optic Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.9.3.2 Global Aether systems Inc LED Secondary Optic Market Share in 2017

2.10 B&M Optics Co., Ltd

2.10.1 Business Overview

2.10.1.1 B&M Optics Co., Ltd Description

2.10.1.2 B&M Optics Co., Ltd Headquarter, Main Business and Finance Overview

2.10.2 B&M Optics Co., Ltd LED Secondary Optic Product Introduction

2.10.2.1 LED Secondary Optic Production Bases, Sales Regions and Major

Competitors

2.10.2.2 LED Secondary Optic Product Information

2.10.3 B&M Optics Co., Ltd LED Secondary Optic Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.10.3.1 B&M Optics Co., Ltd LED Secondary Optic Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.10.3.2 Global B&M Optics Co., Ltd LED Secondary Optic Market Share in 2017

2.11 ShenZhen Likeda Optical

2.11.1 Business Overview

2.11.2 ShenZhen Likeda Optical LED Secondary Optic Product Introduction

2.11.3 ShenZhen Likeda Optical LED Secondary Optic Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.12 HENGLI Optical

2.12.1 Business Overview

2.12.2 HENGLI Optical LED Secondary Optic Product Introduction

2.12.3 HENGLI Optical LED Secondary Optic Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.13 Brightlx Limited

2.13.1 Business Overview

2.13.2 Brightlx Limited LED Secondary Optic Product Introduction

2.13.3 Brightlx Limited LED Secondary Optic Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.14 Kunrui optical

2.14.1 Business Overview

2.14.2 Kunrui optical LED Secondary Optic Product Introduction

2.14.3 Kunrui optical LED Secondary Optic Sales, Price, Revenue, Gross Margin and

Market Share (2016-2017)

2.15 FORTECH

2.15.1 Business Overview

2.15.2 FORTECH LED Secondary Optic Product Introduction

2.15.3 FORTECH LED Secondary Optic Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.16 Chun Kuang Optics

2.16.1 Business Overview

2.16.2 Chun Kuang Optics LED Secondary Optic Product Introduction

2.16.3 Chun Kuang Optics LED Secondary Optic Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.17 Wuxi Kinglux Glass Lens

2.17.1 Business Overview

2.17.2 Wuxi Kinglux Glass Lens LED Secondary Optic Product Introduction

2.17.3 Wuxi Kinglux Glass Lens LED Secondary Optic Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

3 GLOBAL LED SECONDARY OPTIC MARKET COMPETITION, BY MANUFACTURER

3.1 Global LED Secondary Optic Sales and Market Share by Manufacturer (2016-2017)

3.2 Global LED Secondary Optic Revenue and Market Share by Manufacturer (2016-2017)

3.3 Global LED Secondary Optic Price by Manufacturer (2016-2017)

3.4 Market Concentration Rate

3.4.1 Top 3 LED Secondary Optic Manufacturer Market Share in 2017

3.4.2 Top 5 LED Secondary Optic Manufacturer Market Share in 2017

3.5 Market Competition Trend

4 GLOBAL LED SECONDARY OPTIC MARKET ANALYSIS BY REGIONS

4.1 Global LED Secondary Optic Sales, Revenue and Market Share by Regions

4.1.1 Global LED Secondary Optic Sales by Regions (2013-2018)

4.1.2 Global LED Secondary Optic Revenue by Regions (2013-2018)

4.2 North America LED Secondary Optic Sales, Revenue and Growth Rate (2013-2018)

4.3 Europe LED Secondary Optic Sales, Revenue and Growth Rate (2013-2018)

4.4 Asia-Pacific LED Secondary Optic Sales, Revenue and Growth Rate (2013-2018)

4.5 South America LED Secondary Optic Sales, Revenue and Growth Rate (2013-2018)

4.6 Middle East and Africa LED Secondary Optic Sales, Revenue and Growth Rate (2013-2018)

5 NORTH AMERICA LED SECONDARY OPTIC BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS

5.1 North America LED Secondary Optic Sales, Revenue and Market Share by Countries

5.1.1 North America LED Secondary Optic Sales by Countries (2013-2018)

5.1.2 North America LED Secondary Optic Revenue by Countries (2013-2018)

5.1.3 United States LED Secondary Optic Sales and Growth Rate (2013-2018)

5.1.4 Canada LED Secondary Optic Sales and Growth Rate (2013-2018)

5.1.5 Mexico LED Secondary Optic Sales and Growth Rate (2013-2018)

5.2 North America LED Secondary Optic Sales and Revenue (Value) by Manufacturers (2016-2017)

5.2.1 North America LED Secondary Optic Sales by Manufacturers (2016-2017)

5.2.2 North America LED Secondary Optic Revenue by Manufacturers (2016-2017)

5.3 North America LED Secondary Optic Sales, Revenue and Market Share by Type (2013-2018)

5.3.1 North America LED Secondary Optic Sales and Sales Share by Type (2013-2018)

5.3.2 North America LED Secondary Optic Revenue and Revenue Share by Type (2013-2018)

5.4 North America LED Secondary Optic Sales, Revenue and Market Share by Application (2013-2018)

5.4.1 North America LED Secondary Optic Sales and Sales Share by Application (2013-2018)

5.4.2 North America LED Secondary Optic Revenue and Revenue Share by Application (2013-2018)

6 EUROPE LED SECONDARY OPTIC BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS

6.1 Europe LED Secondary Optic Sales, Revenue and Market Share by Countries

6.1.1 Europe LED Secondary Optic Sales by Countries (2013-2018)

6.1.2 Europe LED Secondary Optic Revenue by Countries (2013-2018)

6.1.3 Germany LED Secondary Optic Sales and Growth Rate (2013-2018)

6.1.4 UK LED Secondary Optic Sales and Growth Rate (2013-2018)

6.1.5 France LED Secondary Optic Sales and Growth Rate (2013-2018)

- 6.1.6 Russia LED Secondary Optic Sales and Growth Rate (2013-2018)
- 6.1.7 Italy LED Secondary Optic Sales and Growth Rate (2013-2018)
- 6.2 Europe LED Secondary Optic Sales and Revenue (Value) by Manufacturers (2016-2017)
 - 6.2.1 Europe LED Secondary Optic Sales by Manufacturers (2016-2017)
 - 6.2.2 Europe LED Secondary Optic Revenue by Manufacturers (2016-2017)
- 6.3 Europe LED Secondary Optic Sales, Revenue and Market Share by Type (2013-2018)
 - 6.3.1 Europe LED Secondary Optic Sales and Sales Share by Type (2013-2018)
 - 6.3.2 Europe LED Secondary Optic Revenue and Revenue Share by Type (2013-2018)
- 6.4 Europe LED Secondary Optic Sales, Revenue and Market Share by Application (2013-2018)
 - 6.4.1 Europe LED Secondary Optic Sales and Sales Share by Application (2013-2018)
 - 6.4.2 Europe LED Secondary Optic Revenue and Revenue Share by Application (2013-2018)

7 ASIA-PACIFIC LED SECONDARY OPTIC BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS

- 7.1 Asia-Pacific LED Secondary Optic Sales, Revenue and Market Share by Countries
 - 7.1.1 Asia-Pacific LED Secondary Optic Sales by Countries (2013-2018)
 - 7.1.2 Asia-Pacific LED Secondary Optic Revenue by Countries (2013-2018)
 - 7.1.3 China LED Secondary Optic Sales and Growth Rate (2013-2018)
 - 7.1.4 Japan LED Secondary Optic Sales and Growth Rate (2013-2018)
 - 7.1.5 Korea LED Secondary Optic Sales and Growth Rate (2013-2018)
 - 7.1.6 India LED Secondary Optic Sales and Growth Rate (2013-2018)
 - 7.1.7 Southeast Asia LED Secondary Optic Sales and Growth Rate (2013-2018)
- 7.2 Asia-Pacific LED Secondary Optic Sales and Revenue (Value) by Manufacturers (2016-2017)
 - 7.2.1 Asia-Pacific LED Secondary Optic Sales by Manufacturers (2016-2017)
 - 7.2.2 Asia-Pacific LED Secondary Optic Revenue by Manufacturers (2016-2017)
- 7.3 Asia-Pacific LED Secondary Optic Sales, Revenue and Market Share by Type (2013-2018)
 - 7.3.1 Asia-Pacific LED Secondary Optic Sales and Sales Share by Type (2013-2018)
 - 7.3.2 Asia-Pacific LED Secondary Optic Revenue and Revenue Share by Type (2013-2018)
- 7.4 Asia-Pacific LED Secondary Optic Sales, Revenue and Market Share by Application (2013-2018)

7.4.1 Asia-Pacific LED Secondary Optic Sales and Sales Share by Application (2013-2018)

7.4.2 Asia-Pacific LED Secondary Optic Revenue and Revenue Share by Application (2013-2018)

8 SOUTH AMERICA LED SECONDARY OPTIC BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS

8.1 South America LED Secondary Optic Sales, Revenue and Market Share by Countries

8.1.1 South America LED Secondary Optic Sales by Countries (2013-2018)

8.1.2 South America LED Secondary Optic Revenue by Countries (2013-2018)

8.1.3 Brazil LED Secondary Optic Sales and Growth Rate (2013-2018)

8.1.4 Argentina LED Secondary Optic Sales and Growth Rate (2013-2018)

8.1.5 Colombia LED Secondary Optic Sales and Growth Rate (2013-2018)

8.2 South America LED Secondary Optic Sales and Revenue (Value) by Manufacturers (2016-2017)

8.2.1 South America LED Secondary Optic Sales by Manufacturers (2016-2017)

8.2.2 South America LED Secondary Optic Revenue by Manufacturers (2016-2017)

8.3 South America LED Secondary Optic Sales, Revenue and Market Share by Type (2013-2018)

8.3.1 South America LED Secondary Optic Sales and Sales Share by Type (2013-2018)

8.3.2 South America LED Secondary Optic Revenue and Revenue Share by Type (2013-2018)

8.4 South America LED Secondary Optic Sales, Revenue and Market Share by Application (2013-2018)

8.4.1 South America LED Secondary Optic Sales and Sales Share by Application (2013-2018)

8.4.2 South America LED Secondary Optic Revenue and Revenue Share by Application (2013-2018)

9 MIDDLE EAST AND AFRICA LED SECONDARY OPTIC BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS

9.1 Middle East and Africa LED Secondary Optic Sales, Revenue and Market Share by Countries

9.1.1 Middle East and Africa LED Secondary Optic Sales by Countries (2013-2018)

9.1.2 Middle East and Africa LED Secondary Optic Revenue by Countries (2013-2018)

- 9.1.3 Saudi Arabia LED Secondary Optic Sales and Growth Rate (2013-2018)
- 9.1.4 UAE LED Secondary Optic Sales and Growth Rate (2013-2018)
- 9.1.5 Egypt LED Secondary Optic Sales and Growth Rate (2013-2018)
- 9.1.6 Nigeria LED Secondary Optic Sales and Growth Rate (2013-2018)
- 9.1.7 South Africa LED Secondary Optic Sales and Growth Rate (2013-2018)
- 9.2 Middle East and Africa LED Secondary Optic Sales and Revenue (Value) by Manufacturers (2016-2017)
 - 9.2.1 Middle East and Africa LED Secondary Optic Sales by Manufacturers (2016-2017)
 - 9.2.2 Middle East and Africa LED Secondary Optic Revenue by Manufacturers (2016-2017)
- 9.3 Middle East and Africa LED Secondary Optic Sales, Revenue and Market Share by Type (2013-2018)
 - 9.3.1 Middle East and Africa LED Secondary Optic Sales and Sales Share by Type (2013-2018)
 - 9.3.1 Middle East and Africa LED Secondary Optic Revenue and Revenue Share by Type (2013-2018)
- 9.4 Middle East and Africa LED Secondary Optic Sales, Revenue and Market Share by Application (2013-2018)
 - 9.4.1 Middle East and Africa LED Secondary Optic Sales and Sales Share by Application (2013-2018)
 - 9.4.2 Middle East and Africa LED Secondary Optic Revenue and Revenue Share by Application (2013-2018)

10 GLOBAL LED SECONDARY OPTIC MARKET SEGMENT BY TYPE

- 10.1 Global LED Secondary Optic Sales, Revenue and Market Share by Type (2013-2018)
 - 10.1.1 Global LED Secondary Optic Sales and Market Share by Type (2013-2018)
 - 10.1.2 Global LED Secondary Optic Revenue and Market Share by Type (2013-2018)
- 10.2 Reflector Sales Growth and Price
 - 10.2.1 Global Reflector Sales Growth (2013-2018)
 - 10.2.2 Global Reflector Price (2013-2018)
- 10.3 LED Secondary Lens Sales Growth and Price
 - 10.3.1 Global LED Secondary Lens Sales Growth (2013-2018)
 - 10.3.2 Global LED Secondary Lens Price (2013-2018)
- 10.4 Others Sales Growth and Price
 - 10.4.1 Global Others Sales Growth (2013-2018)
 - 10.4.2 Global Others Price (2013-2018)

11 GLOBAL LED SECONDARY OPTIC MARKET SEGMENT BY APPLICATION

- 11.1 Global LED Secondary Optic Sales Market Share by Application (2013-2018)
- 11.2 Street Lighting Sales Growth (2013-2018)
- 11.3 Commercial Lighting Sales Growth (2013-2018)
- 11.4 Architectural Lighting Sales Growth (2013-2018)
- 11.5 Indoor Lighting Sales Growth (2013-2018)
- 11.6 Automotive Lighting Sales Growth (2013-2018)
- 11.7 Others Sales Growth (2013-2018)

12 LED SECONDARY OPTIC MARKET FORECAST (2018-2023)

- 12.1 Global LED Secondary Optic Sales, Revenue and Growth Rate (2018-2023)
- 12.2 LED Secondary Optic Market Forecast by Regions (2018-2023)
 - 12.2.1 North America LED Secondary Optic Market Forecast (2018-2023)
 - 12.2.2 Europe LED Secondary Optic Market Forecast (2018-2023)
 - 12.2.3 Asia-Pacific LED Secondary Optic Market Forecast (2018-2023)
 - 12.2.4 South America LED Secondary Optic Market Forecast (2018-2023)
 - 12.2.5 Middle East and Africa LED Secondary Optic Market Forecast (2018-2023)
- 12.3 LED Secondary Optic Market Forecast by Type (2018-2023)
 - 12.3.1 Global LED Secondary Optic Sales Forecast by Type (2018-2023)
 - 12.3.2 Global LED Secondary Optic Market Share Forecast by Type (2018-2023)
- 12.4 LED Secondary Optic Market Forecast by Application (2018-2023)
 - 12.4.1 Global LED Secondary Optic Sales Forecast by Application (2018-2023)
 - 12.4.2 Global LED Secondary Optic Market Share Forecast by Application (2018-2023)

13 SALES CHANNEL, DISTRIBUTORS, TRADERS AND DEALERS

- 13.1 Sales Channel
 - 13.1.1 Direct Marketing
 - 13.1.2 Indirect Marketing
 - 13.1.3 Marketing Channel Future Trend
- 13.2 Distributors, Traders and Dealers

14 RESEARCH FINDINGS AND CONCLUSION

15 APPENDIX

15.1 Methodology

15.2 Data Source

List Of Tables

LIST OF TABLES AND FIGURES

Figure LED Secondary Optic Picture

Table Product Specifications of LED Secondary Optic

Figure Global LED Secondary Optic CAGR (%), Y-o-Y Growth (&) and Market Size, 2013-2023 (USD Million)

Figure Global LED Secondary Optic CAGR (%), Y-o-Y Growth (&) and Market Size, 2013-2023 (Sales)

Figure Global Sales Market Share of LED Secondary Optic by Types in 2017

Figure Reflector Picture

Table Major Manufacturers of Reflector

Figure LED Secondary Lens Picture

Table Major Manufacturers of LED Secondary Lens

Figure Others Picture

Table Major Manufacturers of Others

Figure LED Secondary Optic Sales Market Share by Applications in 2017

Figure Street Lighting Picture

Figure Commercial Lighting Picture

Figure Architectural Lighting Picture

Figure Indoor Lighting Picture

Figure Automotive Lighting Picture

Figure Others Picture

Figure United States LED Secondary Optic Revenue (Value) and Growth Rate (2013-2023)

Figure Canada LED Secondary Optic Revenue (Value) and Growth Rate (2013-2023)

Figure Mexico LED Secondary Optic Revenue (Value) and Growth Rate (2013-2023)

Figure Germany LED Secondary Optic Revenue (Value) and Growth Rate (2013-2023)

Figure France LED Secondary Optic Revenue (Value) and Growth Rate (2013-2023)

Figure UK LED Secondary Optic Revenue (Value) and Growth Rate (2013-2023)

Figure Russia LED Secondary Optic Revenue (Value) and Growth Rate (2013-2023)

Figure Italy LED Secondary Optic Revenue (Value) and Growth Rate (2013-2023)

Figure China LED Secondary Optic Revenue (Value) and Growth Rate (2013-2023)

Figure Japan LED Secondary Optic Revenue (Value) and Growth Rate (2013-2023)

Figure Korea LED Secondary Optic Revenue (Value) and Growth Rate (2013-2023)

Figure India LED Secondary Optic Revenue (Value) and Growth Rate (2013-2023)

Figure Southeast Asia LED Secondary Optic Revenue (Value) and Growth Rate (2013-2023)

Figure Brazil LED Secondary Optic Revenue (Value) and Growth Rate (2013-2023)

Figure Egypt LED Secondary Optic Revenue (Value) and Growth Rate (2013-2023)

Figure Saudi Arabia LED Secondary Optic Revenue (Value) and Growth Rate (2013-2023)

Figure South Africa LED Secondary Optic Revenue (Value) and Growth Rate (2013-2023)

Figure Nigeria LED Secondary Optic Revenue (Value) and Growth Rate (2013-2023)

Table Ledlink Optics Headquarter, Established, Main Business and Finance Overview (2017)

Table Ledlink Optics LED Secondary Optic Production Bases, Sales Regions and Major Competitors

Table Ledlink Optics LED Secondary Optic Product

Table Ledlink Optics LED Secondary Optic Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Ledlink Optics LED Secondary Optic Sales Market Share in 2017

Figure Global Ledlink Optics LED Secondary Optic Revenue Market Share in 2017

Table Carclo Optics Headquarter, Established, Main Business and Finance Overview (2017)

Table Carclo Optics LED Secondary Optic Production Bases, Sales Regions and Major Competitors

Table Carclo Optics LED Secondary Optic Product

Table Carclo Optics LED Secondary Optic Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Carclo Optics LED Secondary Optic Sales Market Share in 2017

Figure Global Carclo Optics LED Secondary Optic Revenue Market Share in 2017

Table Auer Lighting Headquarter, Established, Main Business and Finance Overview (2017)

Table Auer Lighting LED Secondary Optic Production Bases, Sales Regions and Major Competitors

Table Auer Lighting LED Secondary Optic Product

Table Auer Lighting LED Secondary Optic Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Auer Lighting LED Secondary Optic Sales Market Share in 2017

Figure Global Auer Lighting LED Secondary Optic Revenue Market Share in 2017

Table LEDIL Oy Headquarter, Established, Main Business and Finance Overview (2017)

Table LEDIL Oy LED Secondary Optic Production Bases, Sales Regions and Major Competitors

Table LEDIL Oy LED Secondary Optic Product

Table LEDIL Oy LED Secondary Optic Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global LEDIL Oy LED Secondary Optic Sales Market Share in 2017

Figure Global LEDIL Oy LED Secondary Optic Revenue Market Share in 2017

Table FRAEN Corporation Headquarter, Established, Main Business and Finance Overview (2017)

Table FRAEN Corporation LED Secondary Optic Production Bases, Sales Regions and Major Competitors

Table FRAEN Corporation LED Secondary Optic Product

Table FRAEN Corporation LED Secondary Optic Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global FRAEN Corporation LED Secondary Optic Sales Market Share in 2017

Figure Global FRAEN Corporation LED Secondary Optic Revenue Market Share in 2017

Table GAGGIONE (Lednlight) Headquarter, Established, Main Business and Finance Overview (2017)

Table GAGGIONE (Lednlight) LED Secondary Optic Production Bases, Sales Regions and Major Competitors

Table GAGGIONE (Lednlight) LED Secondary Optic Product

Table GAGGIONE (Lednlight) LED Secondary Optic Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global GAGGIONE (Lednlight) LED Secondary Optic Sales Market Share in 2017

Figure Global GAGGIONE (Lednlight) LED Secondary Optic Revenue Market Share in 2017

Table Bicom Optics Headquarter, Established, Main Business and Finance Overview (2017)

Table Bicom Optics LED Secondary Optic Production Bases, Sales Regions and Major Competitors

Table Bicom Optics LED Secondary Optic Product

Table Bicom Optics LED Secondary Optic Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Bicom Optics LED Secondary Optic Sales Market Share in 2017

Figure Global Bicom Optics LED Secondary Optic Revenue Market Share in 2017

Table Darkoo Optics Headquarter, Established, Main Business and Finance Overview (2017)

Table Darkoo Optics LED Secondary Optic Production Bases, Sales Regions and Major Competitors

Table Darkoo Optics LED Secondary Optic Product

Table Darkoo Optics LED Secondary Optic Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Darkoo Optics LED Secondary Optic Sales Market Share in 2017

Figure Global Darkoo Optics LED Secondary Optic Revenue Market Share in 2017

Table Aether systems Inc Headquarter, Established, Main Business and Finance Overview (2017)

Table Aether systems Inc LED Secondary Optic Production Bases, Sales Regions and Major Competitors

Table Aether systems Inc LED Secondary Optic Product

Table Aether systems Inc LED Secondary Optic Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Aether systems Inc LED Secondary Optic Sales Market Share in 2017

Figure Global Aether systems Inc LED Secondary Optic Revenue Market Share in 2017

Table B&M Optics Co., Ltd Headquarter, Established, Main Business and Finance Overview (2017)

Table B&M Optics Co., Ltd LED Secondary Optic Production Bases, Sales Regions and Major Competitors

Table B&M Optics Co., Ltd LED Secondary Optic Product

Table B&M Optics Co., Ltd LED Secondary Optic Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global B&M Optics Co., Ltd LED Secondary Optic Sales Market Share in 2017

Figure Global B&M Optics Co., Ltd LED Secondary Optic Revenue Market Share in 2017

Table ShenZhen Likeda Optical

Table ShenZhen Likeda Optical LED Secondary Optic

Table HENGLI Optical

Table HENGLI Optical LED Secondary Optic

Table Brightlx Limited

Table Brightlx Limited LED Secondary Optic

Table Kunrui optical

Table Kunrui optical LED Secondary Optic

Table FORTECH

Table FORTECH LED Secondary Optic

Table Chun Kuang Optics

Table Chun Kuang Optics LED Secondary Optic

Table Wuxi Kinglux Glass Lens

Table Wuxi Kinglux Glass Lens LED Secondary Optic

Table Global LED Secondary Optic Sales by Manufacturer (2016-2017)

Figure Global LED Secondary Optic Sales Market Share by Manufacturer in 2016

Figure Global LED Secondary Optic Sales Market Share by Manufacturer in 2017
Table Global LED Secondary Optic Revenue by Manufacturer (2016-2017)
Figure Global LED Secondary Optic Revenue Market Share by Manufacturer in 2016
Figure Global LED Secondary Optic Revenue Market Share by Manufacturer in 2017
Table Global LED Secondary Optic Price by Manufacturer (2016-2017)
Figure Top 3 LED Secondary Optic Manufacturer (Revenue) Market Share in 2017
Figure Top 6 LED Secondary Optic Manufacturer (Revenue) Market Share in 2017
Figure Global LED Secondary Optic Sales and Growth Rate (2013-2018)
Figure Global LED Secondary Optic Revenue and Growth Rate (2013-2018)
Table Global LED Secondary Optic Sales by Regions (2013-2018)
Table Global LED Secondary Optic Sales Market Share by Regions (2013-2018)
Table Global LED Secondary Optic Revenue by Regions (2013-2018)
Figure Global LED Secondary Optic Revenue Market Share by Regions in 2013
Figure Global LED Secondary Optic Revenue Market Share by Regions in 2017
Figure North America LED Secondary Optic Sales and Growth Rate (2013-2018)
Figure North America LED Secondary Optic Revenue and Growth Rate (2013-2018)
Figure Europe LED Secondary Optic Sales and Growth Rate (2013-2018)
Figure Europe LED Secondary Optic Revenue and Growth Rate (2013-2018)
Figure Asia-Pacific LED Secondary Optic Sales and Growth Rate (2013-2018)
Figure Asia-Pacific LED Secondary Optic Revenue and Growth Rate (2013-2018)
Figure South America LED Secondary Optic Sales and Growth Rate (2013-2018)
Figure South America LED Secondary Optic Revenue and Growth Rate (2013-2018)
Figure Middle East and Africa LED Secondary Optic Sales and Growth Rate (2013-2018)
Figure Middle East and Africa LED Secondary Optic Revenue and Growth Rate (2013-2018)
Figure North America LED Secondary Optic Revenue and Growth Rate (2013-2018)
Table North America LED Secondary Optic Sales by Countries (2013-2018)
Table North America LED Secondary Optic Sales Market Share by Countries (2013-2018)
Figure North America LED Secondary Optic Sales Market Share by Countries in 2013
Figure North America LED Secondary Optic Sales Market Share by Countries in 2017
Table North America LED Secondary Optic Revenue by Countries (2013-2018)
Table North America LED Secondary Optic Revenue Market Share by Countries (2013-2018)
Figure North America LED Secondary Optic Revenue Market Share by Countries in 2013
Figure North America LED Secondary Optic Revenue Market Share by Countries in 2017

Figure United States LED Secondary Optic Sales and Growth Rate (2013-2018)
Figure Canada LED Secondary Optic Sales and Growth Rate (2013-2018)
Figure Mexico LED Secondary Optic Sales and Growth Rate (2013-2018)
Table North America LED Secondary Optic Sales by Manufacturer (2016-2017)
Figure North America LED Secondary Optic Sales Market Share by Manufacturer in 2016
Figure North America LED Secondary Optic Sales Market Share by Manufacturer in 2017
Table North America LED Secondary Optic Revenue by Manufacturer (2016-2017)
Figure North America LED Secondary Optic Revenue Market Share by Manufacturer in 2016
Figure North America LED Secondary Optic Revenue Market Share by Manufacturer in 2017
Table North America LED Secondary Optic Sales by Type (2013-2018)
Table North America LED Secondary Optic Sales Share by Type (2013-2018)
Table North America LED Secondary Optic Revenue by Type (2013-2018)
Table North America LED Secondary Optic Revenue Share by Type (2013-2018)
Table North America LED Secondary Optic Sales by Application (2013-2018)
Table North America LED Secondary Optic Sales Share by Application (2013-2018)
Table North America LED Secondary Optic Revenue by Application (2013-2018)
Table North America LED Secondary Optic Revenue Share by Application (2013-2018)
Figure Europe LED Secondary Optic Revenue and Growth Rate (2013-2018)
Table Europe LED Secondary Optic Sales by Countries (2013-2018)
Table Europe LED Secondary Optic Sales Market Share by Countries (2013-2018)
Table Europe LED Secondary Optic Revenue by Countries (2013-2018)
Figure Europe LED Secondary Optic Revenue Market Share by Countries in 2016
Figure Europe LED Secondary Optic Revenue Market Share by Countries in 2017
Figure Germany LED Secondary Optic Sales and Growth Rate (2013-2018)
Figure UK LED Secondary Optic Sales and Growth Rate (2013-2018)
Figure France LED Secondary Optic Sales and Growth Rate (2013-2018)
Figure Russia LED Secondary Optic Sales and Growth Rate (2013-2018)
Figure Italy LED Secondary Optic Sales and Growth Rate (2013-2018)
Table Europe LED Secondary Optic Sales by Manufacturer (2016-2017)
Figure Europe LED Secondary Optic Sales Market Share by Manufacturer in 2016
Figure Europe LED Secondary Optic Sales Market Share by Manufacturer in 2017
Table Europe LED Secondary Optic Revenue by Manufacturer (2016-2017)
Figure Europe LED Secondary Optic Revenue Market Share by Manufacturer in 2016
Figure Europe LED Secondary Optic Revenue Market Share by Manufacturer in 2017
Table Europe LED Secondary Optic Sales by Type (2013-2018)

Table Europe LED Secondary Optic Sales Share by Type (2013-2018)
Table Europe LED Secondary Optic Revenue by Type (2013-2018)
Table Europe LED Secondary Optic Revenue Share by Type (2013-2018)
Table Europe LED Secondary Optic Sales by Application (2013-2018)
Table Europe LED Secondary Optic Sales Share by Application (2013-2018)
Table Europe LED Secondary Optic Revenue by Application (2013-2018)
Table Europe LED Secondary Optic Revenue Share by Application (2013-2018)
Figure Asia-Pacific LED Secondary Optic Revenue and Growth Rate (2013-2018)
Table Asia-Pacific LED Secondary Optic Sales by Countries (2013-2018)
Table Asia-Pacific LED Secondary Optic Sales Market Share by Countries (2013-2018)
Figure Asia-Pacific LED Secondary Optic Sales Market Share by Countries 2017
Table Asia-Pacific LED Secondary Optic Revenue by Countries (2013-2018)
Figure Asia-Pacific LED Secondary Optic Revenue Market Share by Countries 2017
Figure China LED Secondary Optic Sales and Growth Rate (2013-2018)
Figure Japan LED Secondary Optic Sales and Growth Rate (2013-2018)
Figure Korea LED Secondary Optic Sales and Growth Rate (2013-2018)
Figure India LED Secondary Optic Sales and Growth Rate (2013-2018)
Figure Southeast Asia LED Secondary Optic Sales and Growth Rate (2013-2018)
Table Asia-Pacific LED Secondary Optic Sales by Manufacturer (2016-2017)
Figure Asia-Pacific LED Secondary Optic Sales Market Share by Manufacturer in 2016
Figure Asia-Pacific LED Secondary Optic Sales Market Share by Manufacturer in 2017
Table Asia-Pacific LED Secondary Optic Revenue by Manufacturer (2016-2017)
Figure Asia-Pacific LED Secondary Optic Revenue Market Share by Manufacturer in 2016
Figure Asia-Pacific LED Secondary Optic Revenue Market Share by Manufacturer in 2017
Table Asia-Pacific LED Secondary Optic Sales by Type (2013-2018)
Table Asia-Pacific LED Secondary Optic Sales Share by Type (2013-2018)
Table Asia-Pacific LED Secondary Optic Revenue by Type (2013-2018)
Table Asia-Pacific LED Secondary Optic Revenue Share by Type (2013-2018)
Table Asia-Pacific LED Secondary Optic Sales by Application (2013-2018)
Table Asia-Pacific LED Secondary Optic Sales Share by Application (2013-2018)
Table Asia-Pacific LED Secondary Optic Revenue by Application (2013-2018)
Table Asia-Pacific LED Secondary Optic Revenue Share by Application (2013-2018)
Figure South America LED Secondary Optic Revenue and Growth Rate (2013-2018)
Table South America LED Secondary Optic Sales by Countries (2013-2018)
Table South America LED Secondary Optic Sales Market Share by Countries (2013-2018)
Figure South America LED Secondary Optic Sales Market Share by Countries in 2017

Table South America LED Secondary Optic Revenue by Countries (2013-2018)

Table South America LED Secondary Optic Revenue Market Share by Countries (2013-2018)

Figure South America LED Secondary Optic Revenue Market Share by Countries in 2017

Figure Brazil LED Secondary Optic Sales and Growth Rate (2013-2018)

Figure Argentina LED Secondary Optic Sales and Growth Rate (2013-2018)

Figure Colombia LED Secondary Optic Sales and Growth Rate (2013-2018)

Table South America LED Secondary Optic Sales by Manufacturer (2016-2017)

Figure South America LED Secondary Optic Sales Market Share by Manufacturer in 2016

Figure South America LED Secondary Optic Sales Market Share by Manufacturer in 2017

Table South America LED Secondary Optic Revenue by Manufacturer (2016-2017)

Figure South America LED Secondary Optic Revenue Market Share by Manufacturer in 2016

Figure South America LED Secondary Optic Revenue Market Share by Manufacturer in 2017

Table South America LED Secondary Optic Sales by Type (2013-2018)

Table South America LED Secondary Optic Sales Share by Type (2013-2018)

Table South America LED Secondary Optic Revenue by Type (2013-2018)

Table South America LED Secondary Optic Revenue Share by Type (2013-2018)

Table South America LED Secondary Optic Sales by Application (2013-2018)

Table South America LED Secondary Optic Sales Share by Application (2013-2018)

Table South America LED Secondary Optic Revenue by Application (2013-2018)

Table South America LED Secondary Optic Revenue Share by Application (2013-2018)

Figure Middle East and Africa LED Secondary Optic Revenue and Growth Rate (2013-2018)

Table Middle East and Africa LED Secondary Optic Sales by Countries (2013-2018)

Table Middle East and Africa LED Secondary Optic Sales Market Share by Countries (2013-2018)

Figure Middle East and Africa LED Secondary Optic Sales Market Share by Countries in 2017

Table Middle East and Africa LED Secondary Optic Revenue by Countries (2013-2018)

Table Middle East and Africa LED Secondary Optic Revenue Market Share by Countries (2013-2018)

Figure Middle East and Africa LED Secondary Optic Revenue Market Share by Countries in 2013

Figure Middle East and Africa LED Secondary Optic Revenue Market Share by

Countries in 2017

Figure Saudi Arabia LED Secondary Optic Sales and Growth Rate (2013-2018)

Figure UAE LED Secondary Optic Sales and Growth Rate (2013-2018)

Figure Egypt LED Secondary Optic Sales and Growth Rate (2013-2018)

Figure Nigeria LED Secondary Optic Sales and Growth Rate (2013-2018)

Figure South Africa LED Secondary Optic Sales and Growth Rate (2013-2018)

Table Middle East and Africa LED Secondary Optic Sales by Manufacturer (2016-2017)

Figure Middle East and Africa LED Secondary Optic Sales Market Share by Manufacturer in 2016

Figure Middle East and Africa LED Secondary Optic Sales Market Share by Manufacturer in 2017

Table Middle East and Africa LED Secondary Optic Revenue by Manufacturer (2016-2017)

Figure Middle East and Africa LED Secondary Optic Revenue Market Share by Manufacturer in 2016

Figure Middle East and Africa LED Secondary Optic Revenue Market Share by Manufacturer in 2017

Table Middle East and Africa LED Secondary Optic Sales by Type (2013-2018)

Table Middle East and Africa LED Secondary Optic Sales Share by Type (2013-2018)

Table Middle East and Africa LED Secondary Optic Revenue by Type (2013-2018)

Table Middle East and Africa LED Secondary Optic Revenue Share by Type (2013-2018)

Table Middle East and Africa LED Secondary Optic Sales by Application (2013-2018)

Table Middle East and Africa LED Secondary Optic Sales Share by Application (2013-2018)

Table Middle East and Africa LED Secondary Optic Revenue by Application (2013-2018)

Table Middle East and Africa LED Secondary Optic Revenue Share by Application (2013-2018)

Table Global LED Secondary Optic Sales by Type (2013-2018)

Table Global LED Secondary Optic Sales Share by Type (2013-2018)

Table Global LED Secondary Optic Revenue by Type (2013-2018)

Table Global LED Secondary Optic Revenue Share by Type (2013-2018)

Figure Global Reflector Sales Growth (2013-2018)

Figure Global Reflector Price (2013-2018)

Figure Global LED Secondary Lens Sales Growth (2013-2018)

Figure Global LED Secondary Lens Price (2013-2018)

Figure Global Others Sales Growth (2013-2018)

Figure Global Others Price (2013-2018)

Table Global LED Secondary Optic Sales by Application (2013-2018)
Table Global LED Secondary Optic Sales Share by Application (2013-2018)
Figure Global Street Lighting Sales Growth (2013-2018)
Figure Global Commercial Lighting Sales Growth (2013-2018)
Figure Global Architectural Lighting Sales Growth (2013-2018)
Figure Global Indoor Lighting Sales Growth (2013-2018)
Figure Global Automotive Lighting Sales Growth (2013-2018)
Figure Global Others Sales Growth (2013-2018)
Figure Global LED Secondary Optic Sales, Revenue and Growth Rate (2018-2023)
Table Global LED Secondary Optic Sales Forecast by Regions (2018-2023)
Table Global LED Secondary Optic Market Share Forecast by Regions (2018-2023)
Figure North America Sales LED Secondary Optic Market Forecast (2018-2023)
Figure Europe Sales LED Secondary Optic Market Forecast (2018-2023)
Figure Asia-Pacific Sales LED Secondary Optic Market Forecast (2018-2023)
Figure South America Sales LED Secondary Optic Market Forecast (2018-2023)
Figure Middle East and Africa Sales LED Secondary Optic Market Forecast (2018-2023)
Table Global LED Secondary Optic Sales Forecast by Type (2018-2023)
Table Global LED Secondary Optic Market Share Forecast by Type (2018-2023)
Table Global LED Secondary Optic Sales Forecast by Application (2018-2023)
Table Global LED Secondary Optic Market Share Forecast by Application (2018-2023)
Table Distributors/Traders/ Dealers List

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