

Global Safety Light Curtains Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Safety Light Curtains market size was valued at USD 1037.5 million in 2023 and is forecast to a readjusted size of USD 1352.2 million by 2030 with a CAGR of 3.9% during review period.

Light curtains was first introduced as a 'Light barrier' by inventor Dr. Erwin Sick on Sept 26, 1972 when he formally described this device as 'Safety devices acting in conjunction with the control or operation of a machine; Control arrangements requiring the simultaneous use of two or more parts of the body with means, e.g. feelers, which in case of the presence of a body part of a person in or near the danger zone influence the control or operation of the machine the means being photocells or other devices sensitive without mechanical contact using light grids' in a patent application in Germany. A year later, he followed up by also applying his patent idea in China, Italy, Japan, United States, Sweden and Great Britain.

The Global Info Research report includes an overview of the development of the Safety Light Curtains industry chain, the market status of Human Safety Protection (PNP Output, NPN Output), Machine Detection (PNP Output, NPN Output), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Safety Light Curtains.

Regionally, the report analyzes the Safety Light Curtains markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Safety Light Curtains market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Safety Light Curtains market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Safety Light Curtains industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., PNP Output, NPN Output).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Safety Light Curtains market.

Regional Analysis: The report involves examining the Safety Light Curtains market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Safety Light Curtains market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Safety Light Curtains:

Company Analysis: Report covers individual Safety Light Curtains manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Safety Light Curtains This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Human Safety

Protection, Machine Detection).

Technology Analysis: Report covers specific technologies relevant to Safety Light Curtains. It assesses the current state, advancements, and potential future developments in Safety Light Curtains areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Safety Light Curtains market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Safety Light Curtains market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

PNP Output

NPN Output

OSE Output

Market segment by Application

Human Safety Protection

Machine Detection

Antitheft

Mechanical Automation

Other

Major players covered

Omron

Keyence

Sick

ANHYUP

ReeR

Schlueter

Banner

Ifm electronic

Kcenn

Fiessler Elektronik

Rockwell Automation

Schneider Electric

ABB

Euchner

Panasonic

wenglor sensoric GmbH

Sensor Partners

di-soric

Rockford Systems

Datalogic

IDEC Corporation

Wieland Electric

Treotham

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 Safety Light Curtains product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Safety Light Curtains, with price, sales, revenue and global market share of Safety Light Curtains from 2019 to 2024.

Chapter 3, the Safety Light Curtains competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Safety Light Curtains breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

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 2023. and Safety Light Curtains market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Safety Light Curtains.

Chapter 14 and 15, to describe Safety Light Curtains sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope of Safety Light Curtains

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Safety Light Curtains Consumption Value by Type: 2019 Versus 2023 Versus 2030

1.3.2 PNP Output

1.3.3 NPN Output

1.3.4 OSE Output

1.4 Market Analysis by Application

1.4.1 Overview: Global Safety Light Curtains Consumption Value by Application: 2019 Versus 2023 Versus 2030

1.4.2 Human Safety Protection

1.4.3 Machine Detection

1.4.4 Antitheft

1.4.5 Mechanical Automation

1.4.6 Other

1.5 Global Safety Light Curtains Market Size & Forecast

1.5.1 Global Safety Light Curtains Consumption Value (2019 & 2023 & 2030)

1.5.2 Global Safety Light Curtains Sales Quantity (2019-2030)

1.5.3 Global Safety Light Curtains Average Price (2019-2030)

2 MANUFACTURERS PROFILES

2.1 Omron

2.1.1 Omron Details

2.1.2 Omron Major Business

2.1.3 Omron Safety Light Curtains Product and Services

2.1.4 Omron Safety Light Curtains Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.1.5 Omron Recent Developments/Updates

2.2 Keyence

2.2.1 Keyence Details

2.2.2 Keyence Major Business

2.2.3 Keyence Safety Light Curtains Product and Services

2.2.4 Keyence Safety Light Curtains Sales Quantity, Average Price, Revenue, Gross

Margin and Market Share (2019-2024)

2.2.5 Keyence Recent Developments/Updates

2.3 Sick

2.3.1 Sick Details

2.3.2 Sick Major Business

2.3.3 Sick Safety Light Curtains Product and Services

2.3.4 Sick Safety Light Curtains Sales Quantity, Average Price, Revenue, Gross

Margin and Market Share (2019-2024)

2.3.5 Sick Recent Developments/Updates

2.4 ANHYUP

2.4.1 ANHYUP Details

2.4.2 ANHYUP Major Business

2.4.3 ANHYUP Safety Light Curtains Product and Services

2.4.4 ANHYUP Safety Light Curtains Sales Quantity, Average Price, Revenue, Gross

Margin and Market Share (2019-2024)

2.4.5 ANHYUP Recent Developments/Updates

2.5 ReeR

2.5.1 ReeR Details

2.5.2 ReeR Major Business

2.5.3 ReeR Safety Light Curtains Product and Services

2.5.4 ReeR Safety Light Curtains Sales Quantity, Average Price, Revenue, Gross

Margin and Market Share (2019-2024)

2.5.5 ReeR Recent Developments/Updates

2.6 Schlueter

2.6.1 Schlueter Details

2.6.2 Schlueter Major Business

2.6.3 Schlueter Safety Light Curtains Product and Services

2.6.4 Schlueter Safety Light Curtains Sales Quantity, Average Price, Revenue, Gross

Margin and Market Share (2019-2024)

2.6.5 Schlueter Recent Developments/Updates

2.7 Banner

2.7.1 Banner Details

2.7.2 Banner Major Business

2.7.3 Banner Safety Light Curtains Product and Services

2.7.4 Banner Safety Light Curtains Sales Quantity, Average Price, Revenue, Gross

Margin and Market Share (2019-2024)

2.7.5 Banner Recent Developments/Updates

2.8 Ifm electronic

2.8.1 Ifm electronic Details

- 2.8.2 Ifm electronic Major Business
- 2.8.3 Ifm electronic Safety Light Curtains Product and Services
- 2.8.4 Ifm electronic Safety Light Curtains Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.8.5 Ifm electronic Recent Developments/Updates
- 2.9 Kcenn
 - 2.9.1 Kcenn Details
 - 2.9.2 Kcenn Major Business
 - 2.9.3 Kcenn Safety Light Curtains Product and Services
 - 2.9.4 Kcenn Safety Light Curtains Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.9.5 Kcenn Recent Developments/Updates
- 2.10 Fiessler Elektronik
 - 2.10.1 Fiessler Elektronik Details
 - 2.10.2 Fiessler Elektronik Major Business
 - 2.10.3 Fiessler Elektronik Safety Light Curtains Product and Services
 - 2.10.4 Fiessler Elektronik Safety Light Curtains Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.10.5 Fiessler Elektronik Recent Developments/Updates
- 2.11 Rockwell Automation
 - 2.11.1 Rockwell Automation Details
 - 2.11.2 Rockwell Automation Major Business
 - 2.11.3 Rockwell Automation Safety Light Curtains Product and Services
 - 2.11.4 Rockwell Automation Safety Light Curtains Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.11.5 Rockwell Automation Recent Developments/Updates
- 2.12 Schneider Electric
 - 2.12.1 Schneider Electric Details
 - 2.12.2 Schneider Electric Major Business
 - 2.12.3 Schneider Electric Safety Light Curtains Product and Services
 - 2.12.4 Schneider Electric Safety Light Curtains Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.12.5 Schneider Electric Recent Developments/Updates
- 2.13 ABB
 - 2.13.1 ABB Details
 - 2.13.2 ABB Major Business
 - 2.13.3 ABB Safety Light Curtains Product and Services
 - 2.13.4 ABB Safety Light Curtains Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

- 2.13.5 ABB Recent Developments/Updates
- 2.14 Euchner
 - 2.14.1 Euchner Details
 - 2.14.2 Euchner Major Business
 - 2.14.3 Euchner Safety Light Curtains Product and Services
 - 2.14.4 Euchner Safety Light Curtains Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.14.5 Euchner Recent Developments/Updates
- 2.15 Panasonic
 - 2.15.1 Panasonic Details
 - 2.15.2 Panasonic Major Business
 - 2.15.3 Panasonic Safety Light Curtains Product and Services
 - 2.15.4 Panasonic Safety Light Curtains Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.15.5 Panasonic Recent Developments/Updates
- 2.16 wenglor sensoric GmbH
 - 2.16.1 wenglor sensoric GmbH Details
 - 2.16.2 wenglor sensoric GmbH Major Business
 - 2.16.3 wenglor sensoric GmbH Safety Light Curtains Product and Services
 - 2.16.4 wenglor sensoric GmbH Safety Light Curtains Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.16.5 wenglor sensoric GmbH Recent Developments/Updates
- 2.17 Sensor Partners
 - 2.17.1 Sensor Partners Details
 - 2.17.2 Sensor Partners Major Business
 - 2.17.3 Sensor Partners Safety Light Curtains Product and Services
 - 2.17.4 Sensor Partners Safety Light Curtains Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.17.5 Sensor Partners Recent Developments/Updates
- 2.18 di-soric
 - 2.18.1 di-soric Details
 - 2.18.2 di-soric Major Business
 - 2.18.3 di-soric Safety Light Curtains Product and Services
 - 2.18.4 di-soric Safety Light Curtains Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.18.5 di-soric Recent Developments/Updates
- 2.19 Rockford Systems
 - 2.19.1 Rockford Systems Details
 - 2.19.2 Rockford Systems Major Business

- 2.19.3 Rockford Systems Safety Light Curtains Product and Services
- 2.19.4 Rockford Systems Safety Light Curtains Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.19.5 Rockford Systems Recent Developments/Updates
- 2.20 Datalogic
 - 2.20.1 Datalogic Details
 - 2.20.2 Datalogic Major Business
 - 2.20.3 Datalogic Safety Light Curtains Product and Services
 - 2.20.4 Datalogic Safety Light Curtains Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.20.5 Datalogic Recent Developments/Updates
- 2.21 IDEC Corporation
 - 2.21.1 IDEC Corporation Details
 - 2.21.2 IDEC Corporation Major Business
 - 2.21.3 IDEC Corporation Safety Light Curtains Product and Services
 - 2.21.4 IDEC Corporation Safety Light Curtains Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.21.5 IDEC Corporation Recent Developments/Updates
- 2.22 Wieland Electric
 - 2.22.1 Wieland Electric Details
 - 2.22.2 Wieland Electric Major Business
 - 2.22.3 Wieland Electric Safety Light Curtains Product and Services
 - 2.22.4 Wieland Electric Safety Light Curtains Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.22.5 Wieland Electric Recent Developments/Updates
- 2.23 Treotham
 - 2.23.1 Treotham Details
 - 2.23.2 Treotham Major Business
 - 2.23.3 Treotham Safety Light Curtains Product and Services
 - 2.23.4 Treotham Safety Light Curtains Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.23.5 Treotham Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: SAFETY LIGHT CURTAINS BY MANUFACTURER

- 3.1 Global Safety Light Curtains Sales Quantity by Manufacturer (2019-2024)
- 3.2 Global Safety Light Curtains Revenue by Manufacturer (2019-2024)
- 3.3 Global Safety Light Curtains Average Price by Manufacturer (2019-2024)

3.4 Market Share Analysis (2023)

3.4.1 Producer Shipments of Safety Light Curtains by Manufacturer Revenue (\$MM) and Market Share (%): 2023

3.4.2 Top 3 Safety Light Curtains Manufacturer Market Share in 2023

3.4.2 Top 6 Safety Light Curtains Manufacturer Market Share in 2023

3.5 Safety Light Curtains Market: Overall Company Footprint Analysis

3.5.1 Safety Light Curtains Market: Region Footprint

3.5.2 Safety Light Curtains Market: Company Product Type Footprint

3.5.3 Safety Light Curtains 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 Safety Light Curtains Market Size by Region

4.1.1 Global Safety Light Curtains Sales Quantity by Region (2019-2030)

4.1.2 Global Safety Light Curtains Consumption Value by Region (2019-2030)

4.1.3 Global Safety Light Curtains Average Price by Region (2019-2030)

4.2 North America Safety Light Curtains Consumption Value (2019-2030)

4.3 Europe Safety Light Curtains Consumption Value (2019-2030)

4.4 Asia-Pacific Safety Light Curtains Consumption Value (2019-2030)

4.5 South America Safety Light Curtains Consumption Value (2019-2030)

4.6 Middle East and Africa Safety Light Curtains Consumption Value (2019-2030)

5 MARKET SEGMENT BY TYPE

5.1 Global Safety Light Curtains Sales Quantity by Type (2019-2030)

5.2 Global Safety Light Curtains Consumption Value by Type (2019-2030)

5.3 Global Safety Light Curtains Average Price by Type (2019-2030)

6 MARKET SEGMENT BY APPLICATION

6.1 Global Safety Light Curtains Sales Quantity by Application (2019-2030)

6.2 Global Safety Light Curtains Consumption Value by Application (2019-2030)

6.3 Global Safety Light Curtains Average Price by Application (2019-2030)

7 NORTH AMERICA

7.1 North America Safety Light Curtains Sales Quantity by Type (2019-2030)

7.2 North America Safety Light Curtains Sales Quantity by Application (2019-2030)

7.3 North America Safety Light Curtains Market Size by Country

7.3.1 North America Safety Light Curtains Sales Quantity by Country (2019-2030)

7.3.2 North America Safety Light Curtains Consumption Value by Country (2019-2030)

7.3.3 United States Market Size and Forecast (2019-2030)

7.3.4 Canada Market Size and Forecast (2019-2030)

7.3.5 Mexico Market Size and Forecast (2019-2030)

8 EUROPE

8.1 Europe Safety Light Curtains Sales Quantity by Type (2019-2030)

8.2 Europe Safety Light Curtains Sales Quantity by Application (2019-2030)

8.3 Europe Safety Light Curtains Market Size by Country

8.3.1 Europe Safety Light Curtains Sales Quantity by Country (2019-2030)

8.3.2 Europe Safety Light Curtains Consumption Value by Country (2019-2030)

8.3.3 Germany Market Size and Forecast (2019-2030)

8.3.4 France Market Size and Forecast (2019-2030)

8.3.5 United Kingdom Market Size and Forecast (2019-2030)

8.3.6 Russia Market Size and Forecast (2019-2030)

8.3.7 Italy Market Size and Forecast (2019-2030)

9 ASIA-PACIFIC

9.1 Asia-Pacific Safety Light Curtains Sales Quantity by Type (2019-2030)

9.2 Asia-Pacific Safety Light Curtains Sales Quantity by Application (2019-2030)

9.3 Asia-Pacific Safety Light Curtains Market Size by Region

9.3.1 Asia-Pacific Safety Light Curtains Sales Quantity by Region (2019-2030)

9.3.2 Asia-Pacific Safety Light Curtains Consumption Value by Region (2019-2030)

9.3.3 China Market Size and Forecast (2019-2030)

9.3.4 Japan Market Size and Forecast (2019-2030)

9.3.5 Korea Market Size and Forecast (2019-2030)

9.3.6 India Market Size and Forecast (2019-2030)

9.3.7 Southeast Asia Market Size and Forecast (2019-2030)

9.3.8 Australia Market Size and Forecast (2019-2030)

10 SOUTH AMERICA

10.1 South America Safety Light Curtains Sales Quantity by Type (2019-2030)

10.2 South America Safety Light Curtains Sales Quantity by Application (2019-2030)

10.3 South America Safety Light Curtains Market Size by Country

10.3.1 South America Safety Light Curtains Sales Quantity by Country (2019-2030)

10.3.2 South America Safety Light Curtains Consumption Value by Country (2019-2030)

10.3.3 Brazil Market Size and Forecast (2019-2030)

10.3.4 Argentina Market Size and Forecast (2019-2030)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Safety Light Curtains Sales Quantity by Type (2019-2030)

11.2 Middle East & Africa Safety Light Curtains Sales Quantity by Application (2019-2030)

11.3 Middle East & Africa Safety Light Curtains Market Size by Country

11.3.1 Middle East & Africa Safety Light Curtains Sales Quantity by Country (2019-2030)

11.3.2 Middle East & Africa Safety Light Curtains Consumption Value by Country (2019-2030)

11.3.3 Turkey Market Size and Forecast (2019-2030)

11.3.4 Egypt Market Size and Forecast (2019-2030)

11.3.5 Saudi Arabia Market Size and Forecast (2019-2030)

11.3.6 South Africa Market Size and Forecast (2019-2030)

12 MARKET DYNAMICS

12.1 Safety Light Curtains Market Drivers

12.2 Safety Light Curtains Market Restraints

12.3 Safety Light Curtains 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

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of Safety Light Curtains and Key Manufacturers

13.2 Manufacturing Costs Percentage of Safety Light Curtains

13.3 Safety Light Curtains Production Process

13.4 Safety Light Curtains Industrial Chain

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Safety Light Curtains Typical Distributors

14.3 Safety Light Curtains 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 Safety Light Curtains Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Table 2. Global Safety Light Curtains Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Table 3. Omron Basic Information, Manufacturing Base and Competitors

Table 4. Omron Major Business

Table 5. Omron Safety Light Curtains Product and Services

Table 6. Omron Safety Light Curtains Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 7. Omron Recent Developments/Updates

Table 8. Keyence Basic Information, Manufacturing Base and Competitors

Table 9. Keyence Major Business

Table 10. Keyence Safety Light Curtains Product and Services

Table 11. Keyence Safety Light Curtains Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 12. Keyence Recent Developments/Updates

Table 13. Sick Basic Information, Manufacturing Base and Competitors

Table 14. Sick Major Business

Table 15. Sick Safety Light Curtains Product and Services

Table 16. Sick Safety Light Curtains Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 17. Sick Recent Developments/Updates

Table 18. ANHYUP Basic Information, Manufacturing Base and Competitors

Table 19. ANHYUP Major Business

Table 20. ANHYUP Safety Light Curtains Product and Services

Table 21. ANHYUP Safety Light Curtains Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 22. ANHYUP Recent Developments/Updates

Table 23. ReeR Basic Information, Manufacturing Base and Competitors

Table 24. ReeR Major Business

Table 25. ReeR Safety Light Curtains Product and Services

Table 26. ReeR Safety Light Curtains Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 27. ReeR Recent Developments/Updates

Table 28. Schlueter Basic Information, Manufacturing Base and Competitors

Table 29. Schlueter Major Business

Table 30. Schlueter Safety Light Curtains Product and Services

Table 31. Schlueter Safety Light Curtains Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 32. Schlueter Recent Developments/Updates

Table 33. Banner Basic Information, Manufacturing Base and Competitors

Table 34. Banner Major Business

Table 35. Banner Safety Light Curtains Product and Services

Table 36. Banner Safety Light Curtains Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 37. Banner Recent Developments/Updates

Table 38. Ifm electronic Basic Information, Manufacturing Base and Competitors

Table 39. Ifm electronic Major Business

Table 40. Ifm electronic Safety Light Curtains Product and Services

Table 41. Ifm electronic Safety Light Curtains Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 42. Ifm electronic Recent Developments/Updates

Table 43. Kcenn Basic Information, Manufacturing Base and Competitors

Table 44. Kcenn Major Business

Table 45. Kcenn Safety Light Curtains Product and Services

Table 46. Kcenn Safety Light Curtains Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 47. Kcenn Recent Developments/Updates

Table 48. Fiessler Elektronik Basic Information, Manufacturing Base and Competitors

Table 49. Fiessler Elektronik Major Business

Table 50. Fiessler Elektronik Safety Light Curtains Product and Services

Table 51. Fiessler Elektronik Safety Light Curtains Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 52. Fiessler Elektronik Recent Developments/Updates

Table 53. Rockwell Automation Basic Information, Manufacturing Base and Competitors

Table 54. Rockwell Automation Major Business

Table 55. Rockwell Automation Safety Light Curtains Product and Services

Table 56. Rockwell Automation Safety Light Curtains Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 57. Rockwell Automation Recent Developments/Updates

Table 58. Schneider Electric Basic Information, Manufacturing Base and Competitors

Table 59. Schneider Electric Major Business

Table 60. Schneider Electric Safety Light Curtains Product and Services

Table 61. Schneider Electric Safety Light Curtains Sales Quantity (K Units), Average

Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 62. Schneider Electric Recent Developments/Updates

Table 63. ABB Basic Information, Manufacturing Base and Competitors

Table 64. ABB Major Business

Table 65. ABB Safety Light Curtains Product and Services

Table 66. ABB Safety Light Curtains Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 67. ABB Recent Developments/Updates

Table 68. Euchner Basic Information, Manufacturing Base and Competitors

Table 69. Euchner Major Business

Table 70. Euchner Safety Light Curtains Product and Services

Table 71. Euchner Safety Light Curtains Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 72. Euchner Recent Developments/Updates

Table 73. Panasonic Basic Information, Manufacturing Base and Competitors

Table 74. Panasonic Major Business

Table 75. Panasonic Safety Light Curtains Product and Services

Table 76. Panasonic Safety Light Curtains Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 77. Panasonic Recent Developments/Updates

Table 78. wenglor sensoric GmbH Basic Information, Manufacturing Base and Competitors

Table 79. wenglor sensoric GmbH Major Business

Table 80. wenglor sensoric GmbH Safety Light Curtains Product and Services

Table 81. wenglor sensoric GmbH Safety Light Curtains Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 82. wenglor sensoric GmbH Recent Developments/Updates

Table 83. Sensor Partners Basic Information, Manufacturing Base and Competitors

Table 84. Sensor Partners Major Business

Table 85. Sensor Partners Safety Light Curtains Product and Services

Table 86. Sensor Partners Safety Light Curtains Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 87. Sensor Partners Recent Developments/Updates

Table 88. di-soric Basic Information, Manufacturing Base and Competitors

Table 89. di-soric Major Business

Table 90. di-soric Safety Light Curtains Product and Services

Table 91. di-soric Safety Light Curtains Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

- Table 92. di-soric Recent Developments/Updates
- Table 93. Rockford Systems Basic Information, Manufacturing Base and Competitors
- Table 94. Rockford Systems Major Business
- Table 95. Rockford Systems Safety Light Curtains Product and Services
- Table 96. Rockford Systems Safety Light Curtains Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 97. Rockford Systems Recent Developments/Updates
- Table 98. Datalogic Basic Information, Manufacturing Base and Competitors
- Table 99. Datalogic Major Business
- Table 100. Datalogic Safety Light Curtains Product and Services
- Table 101. Datalogic Safety Light Curtains Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 102. Datalogic Recent Developments/Updates
- Table 103. IDEC Corporation Basic Information, Manufacturing Base and Competitors
- Table 104. IDEC Corporation Major Business
- Table 105. IDEC Corporation Safety Light Curtains Product and Services
- Table 106. IDEC Corporation Safety Light Curtains Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 107. IDEC Corporation Recent Developments/Updates
- Table 108. Wieland Electric Basic Information, Manufacturing Base and Competitors
- Table 109. Wieland Electric Major Business
- Table 110. Wieland Electric Safety Light Curtains Product and Services
- Table 111. Wieland Electric Safety Light Curtains Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 112. Wieland Electric Recent Developments/Updates
- Table 113. Treotham Basic Information, Manufacturing Base and Competitors
- Table 114. Treotham Major Business
- Table 115. Treotham Safety Light Curtains Product and Services
- Table 116. Treotham Safety Light Curtains Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 117. Treotham Recent Developments/Updates
- Table 118. Global Safety Light Curtains Sales Quantity by Manufacturer (2019-2024) & (K Units)
- Table 119. Global Safety Light Curtains Revenue by Manufacturer (2019-2024) & (USD Million)
- Table 120. Global Safety Light Curtains Average Price by Manufacturer (2019-2024) & (USD/Unit)
- Table 121. Market Position of Manufacturers in Safety Light Curtains, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2023

- Table 122. Head Office and Safety Light Curtains Production Site of Key Manufacturer
- Table 123. Safety Light Curtains Market: Company Product Type Footprint
- Table 124. Safety Light Curtains Market: Company Product Application Footprint
- Table 125. Safety Light Curtains New Market Entrants and Barriers to Market Entry
- Table 126. Safety Light Curtains Mergers, Acquisition, Agreements, and Collaborations
- Table 127. Global Safety Light Curtains Sales Quantity by Region (2019-2024) & (K Units)
- Table 128. Global Safety Light Curtains Sales Quantity by Region (2025-2030) & (K Units)
- Table 129. Global Safety Light Curtains Consumption Value by Region (2019-2024) & (USD Million)
- Table 130. Global Safety Light Curtains Consumption Value by Region (2025-2030) & (USD Million)
- Table 131. Global Safety Light Curtains Average Price by Region (2019-2024) & (USD/Unit)
- Table 132. Global Safety Light Curtains Average Price by Region (2025-2030) & (USD/Unit)
- Table 133. Global Safety Light Curtains Sales Quantity by Type (2019-2024) & (K Units)
- Table 134. Global Safety Light Curtains Sales Quantity by Type (2025-2030) & (K Units)
- Table 135. Global Safety Light Curtains Consumption Value by Type (2019-2024) & (USD Million)
- Table 136. Global Safety Light Curtains Consumption Value by Type (2025-2030) & (USD Million)
- Table 137. Global Safety Light Curtains Average Price by Type (2019-2024) & (USD/Unit)
- Table 138. Global Safety Light Curtains Average Price by Type (2025-2030) & (USD/Unit)
- Table 139. Global Safety Light Curtains Sales Quantity by Application (2019-2024) & (K Units)
- Table 140. Global Safety Light Curtains Sales Quantity by Application (2025-2030) & (K Units)
- Table 141. Global Safety Light Curtains Consumption Value by Application (2019-2024) & (USD Million)
- Table 142. Global Safety Light Curtains Consumption Value by Application (2025-2030) & (USD Million)
- Table 143. Global Safety Light Curtains Average Price by Application (2019-2024) & (USD/Unit)
- Table 144. Global Safety Light Curtains Average Price by Application (2025-2030) & (USD/Unit)

Table 145. North America Safety Light Curtains Sales Quantity by Type (2019-2024) & (K Units)

Table 146. North America Safety Light Curtains Sales Quantity by Type (2025-2030) & (K Units)

Table 147. North America Safety Light Curtains Sales Quantity by Application (2019-2024) & (K Units)

Table 148. North America Safety Light Curtains Sales Quantity by Application (2025-2030) & (K Units)

Table 149. North America Safety Light Curtains Sales Quantity by Country (2019-2024) & (K Units)

Table 150. North America Safety Light Curtains Sales Quantity by Country (2025-2030) & (K Units)

Table 151. North America Safety Light Curtains Consumption Value by Country (2019-2024) & (USD Million)

Table 152. North America Safety Light Curtains Consumption Value by Country (2025-2030) & (USD Million)

Table 153. Europe Safety Light Curtains Sales Quantity by Type (2019-2024) & (K Units)

Table 154. Europe Safety Light Curtains Sales Quantity by Type (2025-2030) & (K Units)

Table 155. Europe Safety Light Curtains Sales Quantity by Application (2019-2024) & (K Units)

Table 156. Europe Safety Light Curtains Sales Quantity by Application (2025-2030) & (K Units)

Table 157. Europe Safety Light Curtains Sales Quantity by Country (2019-2024) & (K Units)

Table 158. Europe Safety Light Curtains Sales Quantity by Country (2025-2030) & (K Units)

Table 159. Europe Safety Light Curtains Consumption Value by Country (2019-2024) & (USD Million)

Table 160. Europe Safety Light Curtains Consumption Value by Country (2025-2030) & (USD Million)

Table 161. Asia-Pacific Safety Light Curtains Sales Quantity by Type (2019-2024) & (K Units)

Table 162. Asia-Pacific Safety Light Curtains Sales Quantity by Type (2025-2030) & (K Units)

Table 163. Asia-Pacific Safety Light Curtains Sales Quantity by Application (2019-2024) & (K Units)

Table 164. Asia-Pacific Safety Light Curtains Sales Quantity by Application (2025-2030)

& (K Units)

Table 165. Asia-Pacific Safety Light Curtains Sales Quantity by Region (2019-2024) & (K Units)

Table 166. Asia-Pacific Safety Light Curtains Sales Quantity by Region (2025-2030) & (K Units)

Table 167. Asia-Pacific Safety Light Curtains Consumption Value by Region (2019-2024) & (USD Million)

Table 168. Asia-Pacific Safety Light Curtains Consumption Value by Region (2025-2030) & (USD Million)

Table 169. South America Safety Light Curtains Sales Quantity by Type (2019-2024) & (K Units)

Table 170. South America Safety Light Curtains Sales Quantity by Type (2025-2030) & (K Units)

Table 171. South America Safety Light Curtains Sales Quantity by Application (2019-2024) & (K Units)

Table 172. South America Safety Light Curtains Sales Quantity by Application (2025-2030) & (K Units)

Table 173. South America Safety Light Curtains Sales Quantity by Country (2019-2024) & (K Units)

Table 174. South America Safety Light Curtains Sales Quantity by Country (2025-2030) & (K Units)

Table 175. South America Safety Light Curtains Consumption Value by Country (2019-2024) & (USD Million)

Table 176. South America Safety Light Curtains Consumption Value by Country (2025-2030) & (USD Million)

Table 177. Middle East & Africa Safety Light Curtains Sales Quantity by Type (2019-2024) & (K Units)

Table 178. Middle East & Africa Safety Light Curtains Sales Quantity by Type (2025-2030) & (K Units)

Table 179. Middle East & Africa Safety Light Curtains Sales Quantity by Application (2019-2024) & (K Units)

Table 180. Middle East & Africa Safety Light Curtains Sales Quantity by Application (2025-2030) & (K Units)

Table 181. Middle East & Africa Safety Light Curtains Sales Quantity by Region (2019-2024) & (K Units)

Table 182. Middle East & Africa Safety Light Curtains Sales Quantity by Region (2025-2030) & (K Units)

Table 183. Middle East & Africa Safety Light Curtains Consumption Value by Region (2019-2024) & (USD Million)

Table 184. Middle East & Africa Safety Light Curtains Consumption Value by Region (2025-2030) & (USD Million)

Table 185. Safety Light Curtains Raw Material

Table 186. Key Manufacturers of Safety Light Curtains Raw Materials

Table 187. Safety Light Curtains Typical Distributors

Table 188. Safety Light Curtains Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Safety Light Curtains Picture

Figure 2. Global Safety Light Curtains Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Figure 3. Global Safety Light Curtains Consumption Value Market Share by Type in 2023

Figure 4. PNP Output Examples

Figure 5. NPN Output Examples

Figure 6. OSE Output Examples

Figure 7. Global Safety Light Curtains Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Figure 8. Global Safety Light Curtains Consumption Value Market Share by Application in 2023

Figure 9. Human Safety Protection Examples

Figure 10. Machine Detection Examples

Figure 11. Antitheft Examples

Figure 12. Mechanical Automation Examples

Figure 13. Other Examples

Figure 14. Global Safety Light Curtains Consumption Value, (USD Million): 2019 & 2023 & 2030

Figure 15. Global Safety Light Curtains Consumption Value and Forecast (2019-2030) & (USD Million)

Figure 16. Global Safety Light Curtains Sales Quantity (2019-2030) & (K Units)

Figure 17. Global Safety Light Curtains Average Price (2019-2030) & (USD/Unit)

Figure 18. Global Safety Light Curtains Sales Quantity Market Share by Manufacturer in 2023

Figure 19. Global Safety Light Curtains Consumption Value Market Share by Manufacturer in 2023

Figure 20. Producer Shipments of Safety Light Curtains by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2023

Figure 21. Top 3 Safety Light Curtains Manufacturer (Consumption Value) Market Share in 2023

Figure 22. Top 6 Safety Light Curtains Manufacturer (Consumption Value) Market Share in 2023

Figure 23. Global Safety Light Curtains Sales Quantity Market Share by Region (2019-2030)

Figure 24. Global Safety Light Curtains Consumption Value Market Share by Region (2019-2030)

Figure 25. North America Safety Light Curtains Consumption Value (2019-2030) & (USD Million)

Figure 26. Europe Safety Light Curtains Consumption Value (2019-2030) & (USD Million)

Figure 27. Asia-Pacific Safety Light Curtains Consumption Value (2019-2030) & (USD Million)

Figure 28. South America Safety Light Curtains Consumption Value (2019-2030) & (USD Million)

Figure 29. Middle East & Africa Safety Light Curtains Consumption Value (2019-2030) & (USD Million)

Figure 30. Global Safety Light Curtains Sales Quantity Market Share by Type (2019-2030)

Figure 31. Global Safety Light Curtains Consumption Value Market Share by Type (2019-2030)

Figure 32. Global Safety Light Curtains Average Price by Type (2019-2030) & (USD/Unit)

Figure 33. Global Safety Light Curtains Sales Quantity Market Share by Application (2019-2030)

Figure 34. Global Safety Light Curtains Consumption Value Market Share by Application (2019-2030)

Figure 35. Global Safety Light Curtains Average Price by Application (2019-2030) & (USD/Unit)

Figure 36. North America Safety Light Curtains Sales Quantity Market Share by Type (2019-2030)

Figure 37. North America Safety Light Curtains Sales Quantity Market Share by Application (2019-2030)

Figure 38. North America Safety Light Curtains Sales Quantity Market Share by Country (2019-2030)

Figure 39. North America Safety Light Curtains Consumption Value Market Share by Country (2019-2030)

Figure 40. United States Safety Light Curtains Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 41. Canada Safety Light Curtains Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 42. Mexico Safety Light Curtains Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 43. Europe Safety Light Curtains Sales Quantity Market Share by Type

(2019-2030)

Figure 44. Europe Safety Light Curtains Sales Quantity Market Share by Application

(2019-2030)

Figure 45. Europe Safety Light Curtains Sales Quantity Market Share by Country

(2019-2030)

Figure 46. Europe Safety Light Curtains Consumption Value Market Share by Country

(2019-2030)

Figure 47. Germany Safety Light Curtains Consumption Value and Growth Rate

(2019-2030) & (USD Million)

Figure 48. France Safety Light Curtains Consumption Value and Growth Rate

(2019-2030) & (USD Million)

Figure 49. United Kingdom Safety Light Curtains Consumption Value and Growth Rate

(2019-2030) & (USD Million)

Figure 50. Russia Safety Light Curtains Consumption Value and Growth Rate

(2019-2030) & (USD Million)

Figure 51. Italy Safety Light Curtains Consumption Value and Growth Rate (2019-2030)

& (USD Million)

Figure 52. Asia-Pacific Safety Light Curtains Sales Quantity Market Share by Type

(2019-2030)

Figure 53. Asia-Pacific Safety Light Curtains Sales Quantity Market Share by

Application (2019-2030)

Figure 54. Asia-Pacific Safety Light Curtains Sales Quantity Market Share by Region

(2019-2030)

Figure 55. Asia-Pacific Safety Light Curtains Consumption Value Market Share by

Region (2019-2030)

Figure 56. China Safety Light Curtains Consumption Value and Growth Rate

(2019-2030) & (USD Million)

Figure 57. Japan Safety Light Curtains Consumption Value and Growth Rate

(2019-2030) & (USD Million)

Figure 58. Korea Safety Light Curtains Consumption Value and Growth Rate

(2019-2030) & (USD Million)

Figure 59. India Safety Light Curtains Consumption Value and Growth Rate

(2019-2030) & (USD Million)

Figure 60. Southeast Asia Safety Light Curtains Consumption Value and Growth Rate

(2019-2030) & (USD Million)

Figure 61. Australia Safety Light Curtains Consumption Value and Growth Rate

(2019-2030) & (USD Million)

Figure 62. South America Safety Light Curtains Sales Quantity Market Share by Type

(2019-2030)

Figure 63. South America Safety Light Curtains Sales Quantity Market Share by Application (2019-2030)

Figure 64. South America Safety Light Curtains Sales Quantity Market Share by Country (2019-2030)

Figure 65. South America Safety Light Curtains Consumption Value Market Share by Country (2019-2030)

Figure 66. Brazil Safety Light Curtains Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 67. Argentina Safety Light Curtains Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 68. Middle East & Africa Safety Light Curtains Sales Quantity Market Share by Type (2019-2030)

Figure 69. Middle East & Africa Safety Light Curtains Sales Quantity Market Share by Application (2019-2030)

Figure 70. Middle East & Africa Safety Light Curtains Sales Quantity Market Share by Region (2019-2030)

Figure 71. Middle East & Africa Safety Light Curtains Consumption Value Market Share by Region (2019-2030)

Figure 72. Turkey Safety Light Curtains Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 73. Egypt Safety Light Curtains Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 74. Saudi Arabia Safety Light Curtains Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 75. South Africa Safety Light Curtains Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 76. Safety Light Curtains Market Drivers

Figure 77. Safety Light Curtains Market Restraints

Figure 78. Safety Light Curtains Market Trends

Figure 79. Porters Five Forces Analysis

Figure 80. Manufacturing Cost Structure Analysis of Safety Light Curtains in 2023

Figure 81. Manufacturing Process Analysis of Safety Light Curtains

Figure 82. Safety Light Curtains Industrial Chain

Figure 83. Sales Quantity Channel: Direct to End-User vs Distributors

Figure 84. Direct Channel Pros & Cons

Figure 85. Indirect Channel Pros & Cons

Figure 86. Methodology

Figure 87. Research Process and Data Source

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