

Arc-based Plasma Lighting Market by Light Source (Xenon Arc Lamps, Metal Halide Lamps, Deuterium Lamps, Krypton Arc Lamps, Mercury Vapor Lamps), Wattage Type (Below 500 W, 501 to 1500 W, Above 1500 W), Application and Region - Global Forecast to 2029

<https://marketpublishers.com/r/A1F49A584026EN.html>

Date: April 2024

Pages: 232

Price: US\$ 4,950.00 (Single User License)

ID: A1F49A584026EN

Abstracts

The global arc-based plasma lighting market is projected to grow from USD 616 million in 2024 to USD 676 million by 2029, registering a CAGR of 1.9% during the forecast period. The arc-based plasma lighting market is driven by several key factors that contribute to its growing adoption across diverse industries. Its superior light quality, characterized by excellent color rendering capabilities and high brightness, makes it a preferred choice for applications where precise illumination is paramount, such as automotive lighting, medical lighting, and UV applications.

“The xenon arc lamps segment is expected to hold the largest share in the overall arc-based plasma lighting market.”

The Xenon arc lamps segment within the arc-based plasma lighting industry is anticipated to sustain its dominant position in the market. This is attributed to its exceptional blend of features and widespread utility across diverse sectors. Xenon arc lamps are known for their capacity to emit light resembling natural sunlight, making them indispensable in applications demanding precise color rendering such as automotive lighting and cinema projection. Moreover, their high luminosity renders them suitable for outdoor lighting in large venues. The established reliability and extended lifespan of Xenon arc lamps further solidify their appeal across industrial and commercial domains. Additionally, ongoing advancements in Xenon arc lamp

technology bolster their competitive edge within the market.

“The UV applications segment is projected to grow at a significant growth rate during the forecast period.”

The UV applications segment is expected to experience the highest CAGR, driven by various factors. There is a growing emphasis on health and safety in response to recent global events, intensifying the need for effective disinfection solutions across various industries. UV lighting has proven highly effective in deactivating pathogens like bacteria and viruses, making it essential for sterilization in healthcare facilities, food processing plants, and public spaces. Furthermore, advancements in UV technology have spurred the development of more efficient and cost-effective plasma-based UV lighting systems, expanding their usage across a broad spectrum of industries. With organizations placing increased importance on hygiene and sanitation, the demand for UV applications is projected to escalate, thereby fueling substantial growth in the arc-based plasma lighting market.

“India is likely to exhibit highest CAGR in the Asia Pacific arc-based plasma lighting market during the forecast period”

India is expected to exhibit the highest growth rate in the market due to several significant factors. The increasing demand for advanced lighting solutions in the medical sector, particularly for surgical and diagnostic applications, is driving the adoption of arc-based plasma lighting. Additionally, the entertainment & projection industry in India is witnessing rapid growth, creating a substantial market for plasma lighting in theaters, concerts, and events. Moreover, the country's expanding infrastructure for entertainment venues and increasing consumer spending on leisure activities further contribute to the market's growth. Moreover, the automotive industry's growing need for precise and reliable lighting solutions for testing purposes also drives the adoption of arc-based plasma lighting technology in the country.

Breakdown of profiles of primary participants:

By Company Type: Tier 1 = 52%, Tier 2 = 38%, and Tier 3 = 10%

By Designation: C-level Executives = 62%, Directors = 25%, and Others = 13%

By Region: North America = 41%, Europe = 20%, Asia Pacific = 30%, and Rest of the World = 9%

The major companies in the arc-based plasma lighting market include ams-OSRAM AG (Germany), Signify Holding (Netherlands), Ushio Inc. (Japan), Excelitas Technologies Corp. (US), Hamamatsu Photonics K.K. (Japan), LEDVANCE GmbH (Germany), Newport Corporation (US), Superior Quartz Products, Inc. (US), Amglo Kemlite Laboratories (US).

Research Coverage

The report segments the arc-based plasma lighting market and forecasts its size, by value, based on light source, wattage type, application, and region (North America, Europe, Asia Pacific, and the Rest of the World). The report also comprehensively reviews market drivers, restraints, opportunities, and challenges in the arc-based plasma lighting market. The report also covers qualitative aspects in addition to the quantitative aspects of these markets.

Reasons to Buy the Report:

Analysis of key drivers (high color rendering index (CRI) driving adoption of arc-based plasma lighting and increasing usage in movie projection), restraints (growing dominance of LED lighting due to superior characteristics and frequent need to replace existing HID lamps), opportunities (growing demand for shock and vibration resistant lighting), and challenges (adverse environmental impact caused by metal halide and mercury vapor lamps and stringent regulatory compliance) influencing the growth of the arc-based plasma lighting market.

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product launches in the arc-based plasma lighting market

Market Development: Comprehensive information about lucrative markets – the report analyses the arc-based plasma lighting market across varied regions.

Market Diversification: Exhaustive information about new products, untapped geographies, recent developments, and investments in the arc-based plasma lighting market.

Competitive Assessment: In-depth assessment of market shares, growth

strategies and product offerings of leading players like ams-OSRAM AG (Germany), Signify Holding (Netherlands), Ushio Inc. (Japan), Excelitas Technologies Corp. (US), Hamamatsu Photonics K.K. (Japan), LEDVANCE GmbH (Germany), Newport Corporation (US), Superior Quartz Products, Inc. (US), Amglo Kemlite Laboratories (US).

Contents

1 INTRODUCTION

1.1 STUDY OBJECTIVES

1.2 MARKET DEFINITION

1.3 STUDY SCOPE

1.3.1 MARKETS COVERED

FIGURE 1 ARC-BASED PLASMA LIGHTING MARKET SEGMENTATION

1.3.2 REGIONAL SCOPE

FIGURE 2 ARC-BASED PLASMA LIGHTING MARKET: REGIONAL SCOPE

1.3.3 INCLUSIONS AND EXCLUSIONS

1.3.3.1 Inclusions and exclusions: By company

1.3.3.2 Inclusions and exclusions: By light source

1.3.3.3 Inclusions and exclusions: By wattage type

1.3.3.4 inclusions and exclusions: By application

1.3.3.5 Inclusions and exclusions: By region

1.3.4 YEARS CONSIDERED

1.4 CURRENCY CONSIDERED

1.5 UNITS CONSIDERED

1.6 LIMITATIONS

1.7 STAKEHOLDERS

1.8 IMPACT OF RECESSION

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

FIGURE 3 ARC-BASED PLASMA LIGHTING MARKET: RESEARCH DESIGN

2.1.1 SECONDARY AND PRIMARY RESEARCH

2.1.2 SECONDARY DATA

2.1.2.1 Key data from secondary sources

2.1.2.2 List of key secondary sources

2.1.3 PRIMARY DATA

2.1.3.1 Key data from primary sources

2.1.3.2 Key industry insights

2.1.3.3 Breakdown of primaries

2.1.3.4 List of primary interview participants

2.2 MARKET SIZE ESTIMATION METHODOLOGY

2.2.1 BOTTOM-UP APPROACH

2.2.1.1 Approach to arrive at market size using bottom-up analysis (demand side)
FIGURE 4 ARC-BASED PLASMA LIGHTING MARKET: BOTTOM-UP APPROACH

2.2.2 TOP-DOWN APPROACH

2.2.2.1 Approach to arrive at market size using top-down analysis (supply side)
FIGURE 5 ARC-BASED PLASMA LIGHTING MARKET: TOP-DOWN APPROACH

2.3 FACTOR ANALYSIS

2.3.1 SUPPLY-SIDE ANALYSIS
FIGURE 6 ARC-BASED PLASMA LIGHTING MARKET SIZE ESTIMATION
METHODOLOGY: SUPPLY-SIDE ANALYSIS (APPROACH 1)

2.3.2 DEMAND-SIDE ANALYSIS
FIGURE 7 ARC-BASED PLASMA LIGHTING MARKET SIZE ESTIMATION
METHODOLOGY: DEMAND-SIDE ANALYSIS (APPROACH 2)

2.4 MARKET BREAKDOWN AND DATA TRIANGULATION

FIGURE 8 ARC-BASED PLASMA LIGHTING MARKET: DATA TRIANGULATION

2.5 RISK ASSESSMENT

TABLE 1 ARC-BASED PLASMA LIGHTING MARKET: RISK ASSESSMENT

2.6 RESEARCH ASSUMPTIONS

FIGURE 9 ARC-BASED PLASMA LIGHTING MARKET: RESEARCH ASSUMPTIONS

2.7 RESEARCH LIMITATIONS

FIGURE 10 ARC-BASED PLASMA LIGHTING MARKET: RESEARCH LIMITATIONS

2.8 PARAMETERS CONSIDERED TO ANALYZE RECESSION IMPACT ON ARC-BASED PLASMA LIGHTING MARKET

TABLE 2 PARAMETERS CONSIDERED TO ANALYZE RECESSION IMPACT ON ARC-BASED PLASMA LIGHTING MARKET

3 EXECUTIVE SUMMARY

FIGURE 11 ARC-BASED PLASMA LIGHTING MARKET SIZE, 2020–2029 (USD MILLION)

FIGURE 12 XENON ARC LAMPS TO DOMINATE MARKET DURING FORECAST PERIOD

FIGURE 13 501–1,500 W TO DEPICT HIGHEST CAGR IN ARC-BASED PLASMA LIGHTING MARKET, BY WATTAGE TYPE, FROM 2024 TO 2029

FIGURE 14 ENTERTAINMENT & PROJECTION APPLICATION TO ACCOUNT FOR LARGEST MARKET SHARE IN 2029

FIGURE 15 ASIA PACIFIC TO REGISTER HIGHEST CAGR BETWEEN 2024 AND 2029

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN ARC-BASED PLASMA LIGHTING MARKET

FIGURE 16 INCREASING RELIANCE ON LIGHTING SYSTEMS WITH HIGH COLOR RENDERING INDEX TO CONTRIBUTE TO MARKET GROWTH

4.2 ARC-BASED PLASMA LIGHTING MARKET, BY LIGHT SOURCE

FIGURE 17 XENON ARC LAMPS HELD LARGEST SHARE OF ARC-BASED PLASMA LIGHTING MARKET, BY LIGHT SOURCE, IN 2023

4.3 ARC-BASED PLASMA LIGHTING MARKET, BY WATTAGE TYPE

FIGURE 18 ABOVE 1,500 W TO ACCOUNT FOR LARGEST MARKET SHARE IN 2029

4.4 ARC-BASED PLASMA LIGHTING MARKET, BY APPLICATION

FIGURE 19 ENTERTAINMENT & PROJECTION APPLICATION TO DOMINATE MARKET DURING FORECAST PERIOD

4.5 ARC-BASED PLASMA LIGHTING MARKET, BY REGION

FIGURE 20 ASIA PACIFIC TO HOLD LARGEST SHARE OF ARC-BASED PLASMA LIGHTING MARKET IN 2029

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

FIGURE 21 ARC-BASED PLASMA LIGHTING MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES

5.2.1 DRIVERS

5.2.1.1 Escalating demand for high CRI lighting in healthcare facilities

5.2.1.2 Increasing adoption of movie projectors to offer enhanced viewing experience

FIGURE 22 IMPACT ANALYSIS: DRIVERS

5.2.2 RESTRAINTS

5.2.2.1 Increasing deployment of LED lighting technology as substitute

5.2.2.2 Need for periodic replacement of HID lamps

FIGURE 23 IMPACT ANALYSIS: RESTRAINTS

5.2.3 OPPORTUNITIES

5.2.3.1 Growing use of plasma arc lamps in diverse applications owing to ability to withstand vibration and shock

FIGURE 24 IMPACT ANALYSIS: OPPORTUNITIES

5.2.4 CHALLENGES

5.2.4.1 Environmental impacts associated with disposal of arc-based plasma lamps

5.2.4.2 Ensuring compliance with diverse regulatory requirements

FIGURE 25 IMPACT ANALYSIS: CHALLENGES**5.3 SUPPLY CHAIN ANALYSIS****FIGURE 26 ARC-BASED PLASMA LIGHTING MARKET: SUPPLY CHAIN ANALYSIS****5.4 ECOSYSTEM ANALYSIS****TABLE 3 ROLE OF COMPANIES IN ARC-BASED PLASMA LIGHTING ECOSYSTEM****FIGURE 27 ARC-BASED PLASMA LIGHTING ECOSYSTEM****5.5 PRICING ANALYSIS****5.5.1 AVERAGE SELLING PRICE OF XENON ARC LAMPS OFFERED BY KEY PLAYERS, BY WATTAGE TYPE****FIGURE 28 AVERAGE SELLING PRICE OF XENON ARC LAMPS OFFERED BY KEY PLAYERS, BY WATTAGE TYPE****TABLE 4 AVERAGE SELLING PRICE OF XENON ARC LAMPS OFFERED BY KEY PLAYERS, BY WATTAGE TYPE (USD)****5.5.2 AVERAGE SELLING PRICE OF XENON ARC LAMPS BELOW 500 W, BY REGION, 2019–2023****FIGURE 29 AVERAGE SELLING PRICE OF XENON ARC LAMPS BELOW 500 W, BY REGION, 2019–2023****5.6 TRENDS/DISRUPTIONS IMPACTING CUSTOMERS' BUSINESSES****FIGURE 30 ARC-BASED PLASMA LIGHTING MARKET: TRENDS/DISRUPTIONS IMPACTING CUSTOMERS' BUSINESSES****5.7 TECHNOLOGY ANALYSIS****5.7.1 KEY TECHNOLOGY****5.7.1.1 High-intensity discharge (HID) lamps****5.7.2 COMPLEMENTARY TECHNOLOGY****5.7.2.1 Light-emitting plasma (LEP)****5.7.3 ADJACENT TECHNOLOGY****5.7.3.1 Light-emitting diode (LED)****5.8 PORTER'S FIVE FORCES ANALYSIS****TABLE 5 ARC-BASED PLASMA LIGHTING MARKET: PORTER'S FIVE FORCES ANALYSIS****FIGURE 31 ARC-BASED PLASMA LIGHTING MARKET: PORTER'S FIVE FORCES ANALYSIS****5.8.1 THREAT OF NEW ENTRANTS****5.8.2 THREAT OF SUBSTITUTES****5.8.3 BARGAINING POWER OF SUPPLIERS****5.8.4 BARGAINING POWER OF BUYERS****5.8.5 INTENSITY OF COMPETITIVE RIVALRY****5.9 REGULATORY LANDSCAPE AND STANDARDS****5.9.1 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER**

ORGANIZATIONS

TABLE 6 NORTH AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 7 EUROPE: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 8 ASIA PACIFIC: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 9 ROW: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

5.9.2 REGULATORY STANDARDS

5.9.2.1 North America

5.9.2.1.1 US

5.9.2.1.2 Canada

5.9.2.1.3 Mexico

5.9.2.2 Europe

5.9.2.2.1 Switzerland

5.9.2.2.2 Germany

5.9.2.2.3 France

5.9.2.3 Asia Pacific

5.9.2.3.1 China

5.9.2.3.2 India

5.9.2.4 RoW

5.9.2.4.1 UAE

5.9.2.4.2 Saudi Arabia

5.10 KEY STAKEHOLDERS AND BUYING CRITERIA

5.10.1 KEY STAKEHOLDERS IN BUYING PROCESS

FIGURE 32 ARC-BASED PLASMA LIGHTING MARKET: INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP THREE APPLICATIONS

TABLE 10 ARC-BASED PLASMA LIGHTING MARKET: INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP THREE APPLICATIONS (%)

5.10.2 BUYING CRITERIA

FIGURE 33 ARC-BASED PLASMA LIGHTING MARKET: KEY BUYING CRITERIA FOR TOP THREE APPLICATIONS

TABLE 11 ARC-BASED PLASMA LIGHTING MARKET: KEY BUYING CRITERIA FOR TOP THREE APPLICATIONS

5.11 CASE STUDY ANALYSIS

5.11.1 HELSINKI EVALUATES SYLVANIA LIGHTING'S RELUMINA LAMPS FOR EFFICIENT ILLUMINATION OF RESIDENTIAL BUILDINGS

5.11.2 LG INSTALLS PLASMA LIGHTING SYSTEMS TO ACHIEVE DESIRED

ILLUMINATION TARGETS IN NEW WAREHOUSE IN SOUTH KOREA

5.11.3 POSCO INSTALLS PLASMA LAMPS IN INTEGRATED MILLS IN SOUTH KOREA TO MEET ILLUMINATION REQUIREMENTS

5.12 TRADE ANALYSIS

5.12.1 IMPORT SCENARIO

FIGURE 34 ARC-BASED PLASMA LIGHTING MARKET: IMPORT DATA FOR HS CODE 853941-COMPLIANT ARC LAMPS, 2018–2022

FIGURE 35 ARC-BASED PLASMA LIGHTING MARKET: IMPORT DATA FOR HS CODE 853932-COMPLIANT MERCURY OR SODIUM VAPOR LAMPS; METAL HALIDE LAMPS, 2018–2022

5.12.2 EXPORT SCENARIO

FIGURE 36 ARC-BASED PLASMA LIGHTING MARKET: EXPORT DATA FOR HS CODE 853941-COMPLIANT ARC LAMPS, 2018–2022

FIGURE 37 ARC-BASED PLASMA LIGHTING MARKET: EXPORT DATA FOR HS CODE 853932-COMPLIANT MERCURY OR SODIUM VAPOR LAMPS; METAL HALIDE LAMPS, 2018–2022

5.13 PATENT ANALYSIS

FIGURE 38 ARC-BASED PLASMA LIGHTING MARKET: PATENTS APPLIED AND GRANTED, 2014–2023

TABLE 12 ARC-BASED PLASMA LIGHTING MARKET: LIST OF KEY PATENTS, 2020–2023

5.14 KEY CONFERENCES AND EVENTS, 2024–2025

TABLE 13 ARC-BASED PLASMA LIGHTING MARKET: LIST OF KEY CONFERENCES AND EVENTS, 2024–2025

6 ARC-BASED PLASMA LIGHTING MARKET, BY LIGHT SOURCE

6.1 INTRODUCTION

FIGURE 39 METAL HALIDE LAMPS TO EXHIBIT HIGHEST CAGR IN ARC-BASED PLASMA LIGHTING MARKET, BY LIGHT SOURCE, DURING FORECAST PERIOD

TABLE 14 ARC-BASED PLASMA LIGHTING MARKET, BY LIGHT SOURCE, 2020–2023 (USD MILLION)

TABLE 15 ARC-BASED PLASMA LIGHTING MARKET, BY LIGHT SOURCE, 2024–2029 (USD MILLION)

6.2 XENON ARC LAMPS

6.2.1 ABILITY TO EMIT LIGHT WITH HIGH INTENSITY AND COLOR RENDERING TO BOOST DEMAND FOR XENON ARC LAMPS

TABLE 16 XENON ARC LAMPS: ARC-BASED PLASMA LIGHTING MARKET, BY APPLICATION, 2020–2023 (USD MILLION)

TABLE 17 XENON ARC LAMPS: ARC-BASED PLASMA LIGHTING MARKET, BY APPLICATION, 2024–2029 (USD MILLION)

TABLE 18 XENON ARC LAMPS: ARC-BASED PLASMA LIGHTING MARKET FOR ENTERTAINMENT & PROJECTION, BY WATTAGE TYPE, 2020–2023 (USD MILLION)

TABLE 19 XENON ARC LAMPS: ARC-BASED PLASMA LIGHTING MARKET FOR ENTERTAINMENT & PROJECTION, BY WATTAGE TYPE, 2024–2029 (USD MILLION)

TABLE 20 XENON ARC LAMPS: ARC-BASED PLASMA LIGHTING MARKET FOR SOLAR SIMULATION & ENVIRONMENT TESTING, BY WATTAGE TYPE, 2020–2023 (USD MILLION)

TABLE 21 XENON ARC LAMPS: ARC-BASED PLASMA LIGHTING MARKET FOR SOLAR SIMULATION & ENVIRONMENT TESTING, BY WATTAGE TYPE, 2024–2029 (USD MILLION)

TABLE 22 XENON ARC LAMPS: ARC-BASED PLASMA LIGHTING MARKET FOR SEARCHLIGHT & SPOTLIGHT, BY WATTAGE TYPE, 2020–2023 (USD MILLION)

TABLE 23 XENON ARC LAMPS: ARC-BASED PLASMA LIGHTING MARKET FOR SEARCHLIGHT & SPOTLIGHT, BY WATTAGE TYPE, 2024–2029 (USD MILLION)

TABLE 24 XENON ARC LAMPS: ARC-BASED PLASMA LIGHTING MARKET FOR UV, BY WATTAGE TYPE, 2020–2023 (USD MILLION)

TABLE 25 XENON ARC LAMPS: ARC-BASED PLASMA LIGHTING MARKET FOR UV, BY WATTAGE TYPE, 2024–2029 (USD MILLION)

TABLE 26 XENON ARC LAMPS: ARC-BASED PLASMA LIGHTING MARKET FOR MEDICAL LIGHTING, BY WATTAGE TYPE, 2020–2023 (USD MILLION)

TABLE 27 XENON ARC LAMPS: ARC-BASED PLASMA LIGHTING MARKET FOR MEDICAL LIGHTING, BY WATTAGE TYPE, 2024–2029 (USD MILLION)

TABLE 28 XENON ARC LAMPS: ARC-BASED PLASMA LIGHTING MARKET FOR MICROSCOPIC LIGHTING, BY WATTAGE TYPE, 2020–2023 (USD MILLION)

TABLE 29 XENON ARC LAMPS: ARC-BASED PLASMA LIGHTING MARKET FOR MICROSCOPIC LIGHTING, BY WATTAGE TYPE, 2024–2029 (USD MILLION)

TABLE 30 XENON ARC LAMPS: ARC-BASED PLASMA LIGHTING MARKET FOR SPECTROSCOPY, BY WATTAGE TYPE, 2020–2023 (USD MILLION)

TABLE 31 XENON ARC LAMPS: ARC-BASED PLASMA LIGHTING MARKET FOR SPECTROSCOPY, BY WATTAGE TYPE, 2024–2029 (USD MILLION)

TABLE 32 XENON ARC LAMPS: ARC-BASED PLASMA LIGHTING MARKET, BY WATTAGE TYPE, 2020–2023 (USD MILLION)

TABLE 33 XENON ARC LAMPS: ARC-BASED PLASMA LIGHTING MARKET, BY WATTAGE TYPE, 2024–2029 (USD MILLION)

TABLE 34 XENON ARC LAMPS: ARC-BASED PLASMA LIGHTING MARKET FOR

ENTERTAINMENT & PROJECTION, BY SUB-APPLICATION, 2020–2023 (USD MILLION)

TABLE 35 XENON ARC LAMPS: ARC-BASED PLASMA LIGHTING MARKET FOR ENTERTAINMENT & PROJECTION, BY SUB-APPLICATION, 2024–2029 (USD MILLION)

TABLE 36 XENON ARC LAMPS: ARC-BASED PLASMA LIGHTING MARKET FOR SOLAR SIMULATION & ENVIRONMENT TESTING, BY SUB-APPLICATION, 2020–2023 (USD MILLION)

TABLE 37 XENON ARC LAMPS: ARC-BASED PLASMA LIGHTING MARKET FOR SOLAR SIMULATION & ENVIRONMENT TESTING, BY SUB-APPLICATION, 2024–2029 (USD MILLION)

TABLE 38 XENON ARC LAMPS: ARC-BASED PLASMA LIGHTING MARKET FOR SEARCHLIGHT & SPOTLIGHT, BY SUB-APPLICATION, 2020–2023 (USD MILLION)

TABLE 39 XENON ARC LAMPS: ARC-BASED PLASMA LIGHTING MARKET FOR SEARCHLIGHT & SPOTLIGHT, BY SUB-APPLICATION, 2024–2029 (USD MILLION)

TABLE 40 XENON ARC LAMPS: ARC-BASED PLASMA LIGHTING MARKET FOR MEDICAL LIGHTING, BY SUB-APPLICATION, 2020–2023 (USD MILLION)

TABLE 41 XENON ARC LAMPS: ARC-BASED PLASMA LIGHTING MARKET FOR MEDICAL LIGHTING, BY SUB-APPLICATION, 2024–2029 (USD MILLION)

TABLE 42 XENON ARC LAMPS: ARC-BASED PLASMA LIGHTING MARKET FOR MICROSCOPIC LIGHTING, BY SUB-APPLICATION, 2020–2023 (USD MILLION)

TABLE 43 XENON ARC LAMPS: ARC-BASED PLASMA LIGHTING MARKET FOR MICROSCOPIC LIGHTING, BY SUB-APPLICATION, 2024–2029 (USD MILLION)

TABLE 44 XENON ARC LAMPS: ARC-BASED PLASMA LIGHTING MARKET, BY REGION, 2020–2023 (USD MILLION)

TABLE 45 XENON ARC LAMPS: ARC-BASED PLASMA LIGHTING MARKET, BY REGION, 2024–2029 (USD MILLION)

TABLE 46 XENON ARC LAMPS: ARC-BASED PLASMA LIGHTING MARKET, BY WATTAGE TYPE, 2020–2023 (THOUSAND UNITS)

TABLE 47 XENON ARC LAMPS: ARC-BASED PLASMA LIGHTING MARKET, BY WATTAGE TYPE, 2024–2029 (THOUSAND UNITS)

6.3 METAL HALIDE LAMPS

6.3.1 USE OF METAL HALIDE LAMPS TO ENSURE OPTIMAL LIGHT OUTPUT TO FUEL SEGMENTAL GROWTH

TABLE 48 METAL HALIDE LAMPS: ARC-BASED PLASMA LIGHTING MARKET, BY APPLICATION, 2020–2023 (USD MILLION)

TABLE 49 METAL HALIDE LAMPS: ARC-BASED PLASMA LIGHTING MARKET, BY APPLICATION, 2024–2029 (USD MILLION)

TABLE 50 METAL HALIDE LAMPS: ARC-BASED PLASMA LIGHTING MARKET FOR

ENTERTAINMENT & PROJECTION, BY WATTAGE TYPE, 2020–2023 (USD MILLION)

TABLE 51 METAL HALIDE LAMPS: ARC-BASED PLASMA LIGHTING MARKET FOR ENTERTAINMENT & PROJECTION, BY WATTAGE TYPE, 2024–2029 (USD MILLION)

TABLE 52 METAL HALIDE LAMPS: ARC-BASED PLASMA LIGHTING MARKET FOR SEARCHLIGHT & SPOTLIGHT, BY WATTAGE TYPE, 2020–2023 (USD MILLION)

TABLE 53 METAL HALIDE LAMPS: ARC-BASED PLASMA LIGHTING MARKET FOR SEARCHLIGHT & SPOTLIGHT, BY WATTAGE TYPE, 2024–2029 (USD MILLION)

TABLE 54 METAL HALIDE LAMPS: ARC-BASED PLASMA LIGHTING MARKET FOR MICROSCOPIC LIGHTING, BY WATTAGE TYPE, 2020–2023 (USD MILLION)

TABLE 55 METAL HALIDE LAMPS: ARC-BASED PLASMA LIGHTING MARKET FOR MICROSCOPIC LIGHTING, BY WATTAGE TYPE, 2024–2029 (USD MILLION)

TABLE 56 METAL HALIDE LAMPS: ARC-BASED PLASMA LIGHTING MARKET, BY WATTAGE TYPE, 2020–2023 (USD MILLION)

TABLE 57 METAL HALIDE LAMPS: ARC-BASED PLASMA LIGHTING MARKET, BY WATTAGE TYPE, 2024–2029 (USD MILLION)

TABLE 58 METAL HALIDE LAMPS: ARC-BASED PLASMA LIGHTING MARKET FOR ENTERTAINMENT & PROJECTION, BY SUB-APPLICATION, 2020–2023 (USD MILLION)

TABLE 59 METAL HALIDE LAMPS: ARC-BASED PLASMA LIGHTING MARKET FOR ENTERTAINMENT & PROJECTION, BY SUB-APPLICATION, 2024–2029 (USD MILLION)

TABLE 60 METAL HALIDE LAMPS: ARC-BASED PLASMA LIGHTING MARKET FOR SEARCHLIGHT & SPOTLIGHT, BY SUB-APPLICATION, 2020–2023 (USD MILLION)

TABLE 61 METAL HALIDE LAMPS: ARC-BASED PLASMA LIGHTING MARKET FOR SEARCHLIGHT & SPOTLIGHT, BY SUB-APPLICATION, 2024–2029 (USD MILLION)

TABLE 62 METAL HALIDE LAMPS: ARC-BASED PLASMA LIGHTING MARKET, BY REGION, 2020–2023 (USD MILLION)

TABLE 63 METAL HALIDE LAMPS: ARC-BASED PLASMA LIGHTING MARKET, BY REGION, 2024–2029 (USD MILLION)

6.4 KRYPTON ARC LAMPS

6.4.1 STABILITY AND LONG LIFESPAN TO BOOST ADOPTION OF KRYPTON ARC LAMPS

TABLE 64 KRYPTON ARC LAMPS: ARC-BASED PLASMA LIGHTING MARKET, BY APPLICATION, 2020–2023 (USD MILLION)

TABLE 65 KRYPTON ARC LAMPS: ARC-BASED PLASMA LIGHTING MARKET, BY APPLICATION, 2024–2029 (USD MILLION)

TABLE 66 KRYPTON ARC LAMPS: ARC-BASED PLASMA LIGHTING MARKET FOR

LASER PUMPING, BY WATTAGE TYPE, 2020–2023 (USD MILLION)

TABLE 67 KRYPTON ARC LAMPS: ARC-BASED PLASMA LIGHTING MARKET FOR LASER PUMPING, BY WATTAGE TYPE, 2024–2029 (USD MILLION)

TABLE 68 KRYPTON ARC LAMPS: ARC-BASED PLASMA LIGHTING MARKET FOR MEDICAL LIGHTING, BY WATTAGE TYPE, 2020–2023 (USD MILLION)

TABLE 69 KRYPTON ARC LAMPS: ARC-BASED PLASMA LIGHTING MARKET FOR MEDICAL LIGHTING, BY WATTAGE TYPE, 2024–2029 (USD MILLION)

TABLE 70 KRYPTON ARC LAMPS: ARC-BASED PLASMA LIGHTING MARKET FOR SPECTROSCOPY, BY WATTAGE TYPE, 2020–2023 (USD MILLION)

TABLE 71 KRYPTON ARC LAMPS: ARC-BASED PLASMA LIGHTING MARKET FOR SPECTROSCOPY, BY WATTAGE TYPE, 2024–2029 (USD MILLION)

TABLE 72 KRYPTON ARC LAMPS: ARC-BASED PLASMA LIGHTING MARKET, BY WATTAGE TYPE, 2020–2023 (USD MILLION)

TABLE 73 KRYPTON ARC LAMPS: ARC-BASED PLASMA LIGHTING MARKET, BY WATTAGE TYPE, 2024–2029 (USD MILLION)

TABLE 74 KRYPTON ARC LAMPS: ARC-BASED PLASMA LIGHTING MARKET, BY REGION, 2020–2023 (USD MILLION)

TABLE 75 KRYPTON ARC LAMPS: ARC-BASED PLASMA LIGHTING MARKET, BY REGION, 2024–2029 (USD MILLION)

6.5 MERCURY VAPOR LAMPS

6.5.1 INSTALLATION OF MERCURY VAPOR LAMPS TO ADDRESS STRONG ILLUMINATION REQUIREMENTS TO DRIVE MARKET

TABLE 76 MERCURY VAPOR LAMPS: ARC-BASED PLASMA LIGHTING MARKET, BY APPLICATION, 2020–2023 (USD MILLION)

TABLE 77 MERCURY VAPOR LAMPS: ARC-BASED PLASMA LIGHTING MARKET, BY APPLICATION, 2024–2029 (USD MILLION)

TABLE 78 MERCURY VAPOR LAMPS: ARC-BASED PLASMA LIGHTING MARKET FOR OTHER APPLICATIONS, BY WATTAGE TYPE, 2020–2023 (USD MILLION)

TABLE 79 MERCURY VAPOR LAMPS: ARC-BASED PLASMA LIGHTING MARKET FOR OTHER APPLICATIONS, BY WATTAGE TYPE, 2024–2029 (USD MILLION)

TABLE 80 MERCURY VAPOR LAMPS: ARC-BASED PLASMA LIGHTING MARKET FOR OTHER APPLICATIONS, BY SUB-APPLICATION, 2020–2023 (USD MILLION)

TABLE 81 MERCURY VAPOR LAMPS: ARC-BASED PLASMA LIGHTING MARKET FOR OTHER APPLICATIONS, BY SUB-APPLICATION, 2024–2029 (USD MILLION)

TABLE 82 MERCURY VAPOR LAMPS: ARC-BASED PLASMA LIGHTING MARKET, BY REGION, 2020–2023 (USD MILLION)

TABLE 83 MERCURY VAPOR LAMPS: ARC-BASED PLASMA LIGHTING MARKET, BY REGION, 2024–2029 (USD MILLION)

6.6 DEUTERIUM LAMPS

6.6.1 ENHANCED UV EMISSIVITY OF DEUTERIUM TO ACCELERATE SEGMENTAL GROWTH

TABLE 84 DEUTERIUM LAMPS: ARC-BASED PLASMA LIGHTING MARKET, BY APPLICATION, 2020–2023 (USD MILLION)

TABLE 85 DEUTERIUM LAMPS: ARC-BASED PLASMA LIGHTING MARKET, BY APPLICATION, 2024–2029 (USD MILLION)

TABLE 86 DEUTERIUM LAMPS: ARC-BASED PLASMA LIGHTING MARKET, BY REGION, 2020–2023 (USD MILLION)

TABLE 87 DEUTERIUM LAMPS: ARC-BASED PLASMA LIGHTING MARKET, BY REGION, 2024–2029 (USD MILLION)

7 ARC-BASED PLASMA LIGHTING MARKET, BY WATTAGE TYPE

7.1 INTRODUCTION

FIGURE 40 501–1,500 W TO REGISTER HIGHEST CAGR IN ARC-BASED PLASMA LIGHTING MARKET, BY WATTAGE TYPE, DURING FORECAST PERIOD

TABLE 88 ARC-BASED PLASMA LIGHTING MARKET, BY WATTAGE TYPE, 2020–2023 (USD MILLION)

TABLE 89 ARC-BASED PLASMA LIGHTING MARKET, BY WATTAGE TYPE, 2024–2029 (USD MILLION)

7.2 BELOW 500 W

7.2.1 COMPACT SIZE AND LOW POWER CONSUMPTION OF PLASMA ARC LAMPS BELOW 500 W TO FOSTER SEGMENTAL GROWTH

TABLE 90 BELOW 500 W: ARC-BASED PLASMA LIGHTING MARKET, BY LIGHT SOURCE, 2020–2023 (USD MILLION)

TABLE 91 BELOW 500 W: ARC-BASED PLASMA LIGHTING MARKET, BY LIGHT SOURCE, 2024–2029 (USD MILLION)

7.3 501–1,500 W

7.3.1 ACCURATE COLOR REPRODUCTION AND SPECTRAL MATCHING TO AUGMENT DEMAND FOR 501–1,500 W PLASMA ARC LAMPS

TABLE 92 501–1,500 W: ARC-BASED PLASMA LIGHTING MARKET, BY LIGHT SOURCE, 2020–2023 (USD MILLION)

TABLE 93 501–1,500 W: ARC-BASED PLASMA LIGHTING MARKET, BY LIGHT SOURCE, 2024–2029 (USD MILLION)

7.4 ABOVE 1,500 W

7.4.1 SAFE NAVIGATION IN PORT FACILITIES THROUGH POWERFUL ILLUMINATION OF PLASMA ARC LAMPS ABOVE 1,500 W TO PROPEL MARKET

TABLE 94 ABOVE 1,500 W: ARC-BASED PLASMA LIGHTING MARKET, BY LIGHT SOURCE, 2020–2023 (USD MILLION)

TABLE 95 ABOVE 1,500 W: ARC-BASED PLASMA LIGHTING MARKET, BY LIGHT SOURCE, 2024–2029 (USD MILLION)

8 ARC-BASED PLASMA LIGHTING MARKET, BY APPLICATION

8.1 INTRODUCTION

FIGURE 41 ENTERTAINMENT & PROJECTION APPLICATION TO DOMINATE MARKET DURING FORECAST PERIOD

TABLE 96 ARC-BASED PLASMA LIGHTING MARKET, BY APPLICATION, 2020–2023 (USD MILLION)

TABLE 97 ARC-BASED PLASMA LIGHTING MARKET, BY APPLICATION, 2024–2029 (USD MILLION)

8.2 ENTERTAINMENT & PROJECTION

TABLE 98 ENTERTAINMENT & PROJECTION: ARC-BASED PLASMA LIGHTING MARKET, BY SUB-APPLICATION, 2020–2023 (USD MILLION)

TABLE 99 ENTERTAINMENT & PROJECTION: ARC-BASED PLASMA LIGHTING MARKET, BY SUB-APPLICATION, 2024–2029 (USD MILLION)

8.2.1 CINEMA PROJECTORS

8.2.1.1 Use of xenon arc lamps to enhance color reproduction of cinema projectors to augment segmental growth

8.2.2 LARGE VENUE PROJECTORS

8.2.2.1 Adoption of liquid-cooled lamps in large-scale searchlights and solar simulators to boost segmental growth

8.2.3 PHOTOGRAPHY

8.2.3.1 Utilization of xenon arc lamps to provide instant flash in photographic applications to drive market

8.2.4 SCENERY LIGHTING

8.2.4.1 Reliance on xenon arc lamps to create immersive lighting effects in theatrical productions to propel market

8.2.5 LARGE VENUE LIGHTING

8.2.5.1 Installation of metal halide lamps to provide powerful, directed lighting in outdoor settings to foster segmental growth

8.3 SEARCHLIGHT & SPOTLIGHT

TABLE 100 SEARCHLIGHT & SPOTLIGHT: ARC-BASED PLASMA LIGHTING MARKET, BY SUB-APPLICATION, 2020–2023 (USD MILLION)

TABLE 101 SEARCHLIGHT & SPOTLIGHT: ARC-BASED PLASMA LIGHTING MARKET, BY SUB-APPLICATION, 2024–2029 (USD MILLION)

8.3.1 MILITARY

8.3.1.1 Use of xenon arc lamps in laser-based weapon systems to accelerate

segmental growth

8.3.2 CIVIL & LAND

8.3.2.1 Adoption of xenon arc lamps as land-based searchlights in search and rescue operations to propel market

8.3.3 AIR & RUNWAYS

8.3.3.1 Installation of xenon arc lamps to provide clear visibility for safe aircraft landings to contribute to segmental growth

8.3.4 MARITIME & PORTS

8.3.4.1 Reliance on xenon arc lamps to identify navigational hazards and reduce maritime risks to boost segmental growth

8.4 SOLAR SIMULATION & ENVIRONMENTAL TESTING

8.4.1 REQUIREMENT FOR ARC-BASED PLASMA LAMPS TO TEST DURABILITY OF SOLAR PANELS AND PV CELLS TO CONTRIBUTE TO SEGMENTAL GROWTH

8.4.2 AUTOMOTIVE

8.4.3 PHOTOVOLTAIC

8.4.4 AERONAUTIC & AEROSPACE

8.4.5 EQUIVALENT SUN HOURS

8.4.6 UV COMPATIBILITY ASSESSMENT

8.4.7 OTHER SOLAR SIMULATION & ENVIRONMENTAL TESTING APPLICATIONS

8.5 SPECTROSCOPY

8.5.1 UTILIZATION OF ARC-BASED PLASMA LAMPS IN SPECTROSCOPIC ANALYSES REQUIRING WIDE SPECTRAL COVERAGE TO AUGMENT SEGMENTAL GROWTH

8.5.2 BROADBAND LIGHT SOURCE

8.5.3 ABSORPTIVITY MEASUREMENTS

8.5.4 UV SPECTROSCOPY

8.5.5 SPECTROPHOTOMETRY

8.5.6 HIGH-PERFORMANCE & ULTRA-HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY

8.5.7 FAST PROTEIN LIQUID CHROMATOGRAPHY

8.6 MEDICAL LIGHTING

8.6.1 RELIANCE ON PLASMA ARC LAMPS TO ENSURE HIGH COLOR ACCURACY IN TISSUE VISUALIZATION TO FUEL SEGMENTAL GROWTH

8.6.2 ENDOSCOPIC LIGHTING

8.6.3 DENTAL & SURGICAL LIGHTING

8.6.4 SAMPLE IDENTIFICATION & ANALYSIS

8.7 MICROSCOPIC LIGHTING

8.7.1 ADOPTION OF ARC-BASED PLASMA LAMPS TO OBSERVE INTRICATE SPECIMEN TO DRIVE MARKET

8.8 UV

8.8.1 UTILIZATION OF XENON ARC LAMPS IN UV CURING AND STERILIZATION TO CONTRIBUTE TO SEGMENTAL GROWTH

8.8.2 OZONE PRODUCTION

8.8.3 UV CURING

8.8.4 ADHESIVE BONDING

8.8.5 SURFACE DISINFECTION & STERILIZATION

8.8.6 WATER TREATMENT & AIR PURIFICATION

8.9 OTHER APPLICATIONS

TABLE 102 OTHER APPLICATIONS: ARC-BASED PLASMA LIGHTING MARKET BY SUB-APPLICATION, 2020–2023 (USD MILLION)

TABLE 103 OTHER APPLICATIONS: ARC-BASED PLASMA LIGHTING MARKET BY SUB-APPLICATION, 2024–2029 (USD MILLION)

9 ARC-BASED PLASMA LIGHTING MARKET, BY REGION

9.1 INTRODUCTION

FIGURE 42 ARC-BASED PLASMA LIGHTING MARKET, BY REGION

FIGURE 43 INDIA TO EXHIBIT HIGHEST CAGR IN ARC-BASED PLASMA LIGHTING MARKET BETWEEN 2024 AND 2029

FIGURE 44 ASIA PACIFIC TO DOMINATE ARC-BASED PLASMA LIGHTING MARKET DURING FORECAST PERIOD

TABLE 104 ARC-BASED PLASMA LIGHTING MARKET, BY REGION, 2020–2023 (USD MILLION)

TABLE 105 ARC-BASED PLASMA LIGHTING MARKET, BY REGION, 2024–2029 (USD MILLION)

9.2 NORTH AMERICA

FIGURE 45 NORTH AMERICA: ARC-BASED PLASMA LIGHTING MARKET SNAPSHOT

9.2.1 RECESSION IMPACT ON ARC-BASED PLASMA LIGHTING MARKET IN NORTH AMERICA

TABLE 106 NORTH AMERICA: ARC-BASED PLASMA LIGHTING MARKET, BY COUNTRY, 2020–2023 (USD MILLION)

TABLE 107 NORTH AMERICA: ARC-BASED PLASMA LIGHTING MARKET, BY COUNTRY, 2024–2029 (USD MILLION)

TABLE 108 NORTH AMERICA: ARC-BASED PLASMA LIGHTING MARKET, BY LIGHT SOURCE, 2020–2023 (USD MILLION)

TABLE 109 NORTH AMERICA: ARC-BASED PLASMA LIGHTING MARKET, BY LIGHT SOURCE, 2024–2029 (USD MILLION)

9.2.2 US

9.2.2.1 Growing preference for premium movie experiences to boost installation of arc-based plasma lighting solutions in theaters

9.2.3 CANADA

9.2.3.1 Rising demand for immersive lighting experiences in sports arenas to drive market

9.2.4 MEXICO

9.2.4.1 Increasing need for automotive environmental testing solutions to contribute to market growth

9.3 EUROPE

FIGURE 46 EUROPE: ARC-BASED PLASMA LIGHTING MARKET SNAPSHOT

9.3.1 RECESSION IMPACT ON ARC-BASED PLASMA LIGHTING MARKET IN EUROPE

TABLE 110 EUROPE: ARC-BASED PLASMA LIGHTING MARKET, BY COUNTRY, 2020–2023 (USD MILLION)

TABLE 111 EUROPE: ARC-BASED PLASMA LIGHTING MARKET, BY COUNTRY, 2024–2029 (USD MILLION)

TABLE 112 EUROPE: ARC-BASED PLASMA LIGHTING MARKET, BY LIGHT SOURCE, 2020–2023 (USD MILLION)

TABLE 113 EUROPE: ARC-BASED PLASMA LIGHTING MARKET, BY LIGHT SOURCE, 2024–2029 (USD MILLION)

9.3.2 UK

9.3.2.1 Rising awareness about benefits of UV disinfection systems to foster market growth

9.3.3 GERMANY

9.3.3.1 Increasing government initiatives to promote energy-efficient surgical lighting to accelerate market growth

9.3.4 FRANCE

9.3.4.1 Growing demand for high-quality lighting in entertainment settings to drive market

9.3.5 REST OF EUROPE

9.4 ASIA PACIFIC

FIGURE 47 ASIA PACIFIC: ARC-BASED PLASMA LIGHTING MARKET SNAPSHOT

9.4.1 RECESSION IMPACT ON ARC-BASED PLASMA LIGHTING MARKET IN ASIA PACIFIC

TABLE 114 ASIA PACIFIC: ARC-BASED PLASMA LIGHTING MARKET, BY COUNTRY, 2020–2023 (USD MILLION)

TABLE 115 ASIA PACIFIC: ARC-BASED PLASMA LIGHTING MARKET, BY COUNTRY, 2024–2029 (USD MILLION)

TABLE 116 ASIA PACIFIC: ARC-BASED PLASMA LIGHTING MARKET, BY LIGHT SOURCE, 2020–2023 (USD MILLION)

TABLE 117 ASIA PACIFIC: ARC-BASED PLASMA LIGHTING MARKET, BY LIGHT SOURCE, 2024–2029 (USD MILLION)

9.4.2 CHINA

9.4.2.1 Flourishing chip manufacturing to boost adoption of arc-based plasma lamps for photolithography equipment

9.4.3 JAPAN

9.4.3.1 Rising popularity of theater lighting to contribute to market growth

9.4.4 INDIA

9.4.4.1 Increasing need to develop sufficient effluent treatment facilities to drive demand for plasma UV lamps

9.4.5 REST OF ASIA PACIFIC

9.5 ROW

FIGURE 48 ROW: ARC-BASED PLASMA LIGHTING MARKET SNAPSHOT

9.5.1 RECESSION IMPACT ON ARC-BASED PLASMA LIGHTING MARKET IN ROW

TABLE 118 ROW: ARC-BASED PLASMA LIGHTING MARKET, BY REGION, 2020–2023 (USD MILLION)

TABLE 119 ROW: ARC-BASED PLASMA LIGHTING MARKET, BY REGION, 2024–2029 (USD MILLION)

TABLE 120 ROW: ARC-BASED PLASMA LIGHTING MARKET, BY LIGHT SOURCE, 2020–2023 (USD MILLION)

TABLE 121 ROW: ARC-BASED PLASMA LIGHTING MARKET, BY LIGHT SOURCE, 2024–2029 (USD MILLION)

9.5.2 SOUTH AMERICA

9.5.2.1 Rising emphasis on infrastructure development projects to accelerate market growth

9.5.3 MIDDLE EAST & AFRICA

TABLE 122 MIDDLE EAST & AFRICA: ARC-BASED PLASMA LIGHTING MARKET, BY COUNTRY, 2020–2023 (USD MILLION)

TABLE 123 MIDDLE EAST & AFRICA: ARC-BASED PLASMA LIGHTING MARKET, BY COUNTRY, 2024–2029 (USD MILLION)

9.5.3.1 GCC countries

9.5.3.1.1 Strong focus on water sterilization to fuel market growth

9.5.3.2 Rest of Middle East & Africa

9.5.3.2.1 Rapid advancements in healthcare infrastructure to contribute to market growth

10 COMPETITIVE LANDSCAPE

10.1 INTRODUCTION

10.2 STRATEGIES ADOPTED BY KEY PLAYERS, 2020–2024

TABLE 124 STRATEGIES ADOPTED BY KEY PLAYERS IN ARC-BASED PLASMA LIGHTING MARKET, 2020–2024

10.3 MARKET SHARE ANALYSIS, 2023

TABLE 125 ARC-BASED PLASMA LIGHTING MARKET: DEGREE OF COMPETITION

FIGURE 49 ARC-BASED PLASMA LIGHTING MARKET SHARE ANALYSIS, 2023

10.4 REVENUE ANALYSIS OF TOP FIVE PLAYERS, 2019–2023

FIGURE 50 REVENUE ANALYSIS OF TOP FIVE PLAYERS IN ARC-BASED PLASMA LIGHTING MARKET, 2019–2023

10.5 COMPANY VALUATION AND FINANCIAL METRICS

FIGURE 51 COMPANY VALUATION (USD BILLION), 2023

FIGURE 52 FINANCIAL METRICS (EV/EBITDA), 2023

10.6 BRAND/PRODUCT COMPARISON

FIGURE 53 BRAND/PRODUCT COMPARISON

10.7 COMPANY EVALUATION MATRIX: KEY PLAYERS, 2023

10.7.1 STARS

10.7.2 EMERGING LEADERS

10.7.3 PERVASIVE PLAYERS

10.7.4 PARTICIPANTS

FIGURE 54 ARC-BASED PLASMA LIGHTING MARKET: COMPANY EVALUATION MATRIX (KEY PLAYERS), 2023

10.7.5 COMPANY FOOTPRINT: KEY PLAYERS

10.7.5.1 Company footprint

FIGURE 55 ARC-BASED PLASMA LIGHTING MARKET: COMPANY FOOTPRINT

10.7.5.2 Light source footprint

TABLE 126 ARC-BASED PLASMA LIGHTING MARKET: LIGHT SOURCE FOOTPRINT

10.7.5.3 Wattage type footprint

TABLE 127 ARC-BASED PLASMA LIGHTING MARKET: WATTAGE TYPE FOOTPRINT

10.7.5.4 Application footprint

TABLE 128 ARC-BASED PLASMA LIGHTING MARKET: APPLICATION FOOTPRINT

10.7.5.5 Region footprint

TABLE 129 ARC-BASED PLASMA LIGHTING MARKET: REGION FOOTPRINT

10.8 COMPANY EVALUATION MATRIX: START-UPS/SMES, 2023

10.8.1 PROGRESSIVE COMPANIES

10.8.2 RESPONSIVE COMPANIES

10.8.3 DYNAMIC COMPANIES

10.8.4 STARTING BLOCKS

FIGURE 56 ARC-BASED PLASMA LIGHTING MARKET: COMPANY EVALUATION MATRIX (START-UPS/SMES), 2023

10.8.5 COMPETITIVE BENCHMARKING: START-UPS/SMES

10.8.5.1 List of key start-ups/SMEs

TABLE 130 ARC-BASED PLASMA LIGHTING MARKET: LIST OF KEY START-UPS/SMES

10.8.5.2 Competitive benchmarking of key start-ups/SMEs

TABLE 131 ARC-BASED PLASMA LIGHTING MARKET: COMPETITIVE BENCHMARKING FOR KEY START-UPS/SMES

10.9 COMPETITIVE SITUATION AND TRENDS

10.9.1 PRODUCT LAUNCHES

TABLE 132 ARC-BASED PLASMA LIGHTING MARKET: PRODUCT LAUNCHES, MARCH 2020– JANUARY 2024

10.9.2 DEALS

TABLE 133 ARC-BASED PLASMA LIGHTING MARKET: DEALS, MARCH 2020–JANUARY 2024

10.9.3 EXPANSIONS

TABLE 134 ARC-BASED PLASMA LIGHTING MARKET: EXPANSIONS, MARCH 2020–JANUARY 2024

10.9.4 OTHERS

TABLE 135 ARC-BASED PLASMA LIGHTING MARKET: OTHERS, MARCH 2020–JANUARY 2024

11 COMPANY PROFILES

(Business Overview, Products/Solutions/Services Offered, Recent Developments, and MnM View (Key strengths/Right to Win, Strategic Choices Made, and Weaknesses and Competitive Threats))*

11.1 INTRODUCTION

11.2 KEY PLAYERS

11.2.1 USHIO INC.

TABLE 136 USHIO INC.: COMPANY OVERVIEW

FIGURE 57 USHIO INC.: COMPANY SNAPSHOT

TABLE 137 USHIO INC.: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 138 USHIO INC.: DEALS

11.2.2 AMS-OSRAM AG

TABLE 139 AMS-OSRAM AG: COMPANY OVERVIEW

FIGURE 58 AMS-OSRAM AG: COMPANY SNAPSHOT

TABLE 140 AMS-OSRAM AG: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 141 AMS-OSRAM AG: DEALS

TABLE 142 AMS-OSRAM AG: OTHERS

11.2.3 EXCELITAS TECHNOLOGIES CORP.

TABLE 143 EXCELITAS TECHNOLOGIES CORP.: COMPANY OVERVIEW

TABLE 144 EXCELITAS TECHNOLOGIES CORP.:

PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 145 EXCELITAS TECHNOLOGIES CORP.: PRODUCT LAUNCHES

TABLE 146 EXCELITAS TECHNOLOGIES CORP.: DEALS

11.2.4 SIGNIFY HOLDING

TABLE 147 SIGNIFY HOLDING: COMPANY OVERVIEW

FIGURE 59 SIGNIFY HOLDING: COMPANY SNAPSHOT

TABLE 148 SIGNIFY HOLDING: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 149 SIGNIFY HOLDING: DEALS

11.2.5 HAMAMATSU PHOTONICS K.K.

TABLE 150 HAMAMATSU PHOTONICS K.K.: COMPANY OVERVIEW

FIGURE 60 HAMAMATSU PHOTONICS K.K.: COMPANY SNAPSHOT

TABLE 151 HAMAMATSU PHOTONICS K.K.: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 152 HAMAMATSU PHOTONICS K.K.: EXPANSIONS

11.2.6 LEDVANCE GMBH

TABLE 153 LEDVANCE GMBH: COMPANY OVERVIEW

TABLE 154 LEDVANCE GMBH: PRODUCTS/SOLUTIONS/SERVICES OFFERED

11.2.7 ADVANCED SPECIALTY LIGHTING

TABLE 155 ADVANCED SPECIALTY LIGHTING: COMPANY OVERVIEW

TABLE 156 ADVANCED SPECIALTY LIGHTING:

PRODUCTS/SOLUTIONS/SERVICES OFFERED

11.2.8 AMGLO KEMLITE LABORATORIES, INC.

TABLE 157 AMGLO KEMLITE LABORATORIES, INC.: COMPANY OVERVIEW

TABLE 158 AMGLO KEMLITE LABORATORIES, INC.:

PRODUCTS/SOLUTIONS/SERVICES OFFERED

11.2.9 SUPERIOR QUARTZ PRODUCTS, INC.

TABLE 159 SUPERIOR QUARTZ PRODUCTS, INC.: COMPANY OVERVIEW

TABLE 160 SUPERIOR QUARTZ PRODUCTS, INC.:

PRODUCTS/SOLUTIONS/SERVICES OFFERED

11.2.10 NEWPORT CORPORATION

TABLE 161 NEWPORT CORPORATION: COMPANY OVERVIEW

FIGURE 61 NEWPORT CORPORATION: COMPANY SNAPSHOT

TABLE 162 NEWPORT CORPORATION: PRODUCTS/SOLUTIONS/SERVICES OFFERED**11.3 OTHER PLAYERS**

11.3.1 VENTURE LIGHTING INTERNATIONAL

11.3.2 THORLABS, INC.

11.3.3 SCIENCETECH

11.3.4 COLE-PARMER INSTRUMENT COMPANY, LLC

11.3.5 LITETRONICS

11.3.6 LARSON ELECTRONICS

11.3.7 ADVANCED STROBE PRODUCTS, INC.

11.3.8 AGILENT TECHNOLOGIES, INC.

11.3.9 QUANTUM DESIGN INC.

11.3.10 HELIOS QUARTZ GROUP

11.3.11 APPLIED PHOTON TECHNOLOGY, INC.

11.3.12 ADVANCED RADIATION CORPORATION

11.3.13 DYMAX

11.3.14 JELIGHT COMPANY INC.

11.3.15 BLC INTERNATIONAL, INC.

*Details on Business Overview, Products/Solutions/Services Offered, Recent Developments, and MnM View (Key strengths/Right to Win, Strategic Choices Made, and Weaknesses and Competitive Threats) might not be captured in case of unlisted companies.

12 APPENDIX

12.1 INSIGHTS FROM INDUSTRY EXPERTS

12.2 DISCUSSION GUIDE

12.3 KNOWLEDGESTORE: MARKETSSANDMARKETS' SUBSCRIPTION PORTAL

12.4 CUSTOMIZATION OPTIONS

12.5 RELATED REPORTS

12.6 AUTHOR DETAILS

I would like to order

Product name: Arc-based Plasma Lighting Market by Light Source (Xenon Arc Lamps, Metal Halide Lamps, Deuterium Lamps, Krypton Arc Lamps, Mercury Vapor Lamps), Wattage Type (Below 500 W, 501 to 1500 W, Above 1500 W), Application and Region - Global Forecast to 2029

Product link: <https://marketpublishers.com/r/A1F49A584026EN.html>

Price: US\$ 4,950.00 (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/A1F49A584026EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970