

# Intraocular Lenses: Market Research Report

https://marketpublishers.com/r/I812D90E844EN.html

Date: December 2018

Pages: 251

Price: US\$ 5,600.00 (Single User License)

ID: I812D90E844EN

# **Abstracts**

This report analyzes the worldwide markets for Intraocular Lenses in US\$ Thousand and Thousand Units by the following Segments: Standard Intraocular Lenses, and Premium Intraocular Lenses. The report provides separate comprehensive analytics for the US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World.

Annual estimates and forecasts are provided for the period 2016 through 2024.

Also, a five-year historic analysis is provided for these markets.

Market data and analytics are derived from primary and secondary research. Company profiles are primarily based on public domain information including company URLs.

The report profiles 28 companies including many key and niche players such as -

Alcon, Inc.

Bausch & Lomb, Inc.

Carl Zeiss Meditec AG

EyeKon Medical, Inc.

**Hoya Corporation** 

Johnson & Johnson Vision Care, Inc.



# **Contents**

# 1. INTRODUCTION, METHODOLOGY & PRODUCT DEFINITIONS

Study Reliability and Reporting Limitations
Data Interpretation & Reporting Level
Quantitative Techniques & Analytics
Product Definitions and Scope of Study
Intraocular Lenses
Standard Intraocular Lenses
Premium Intraocular Lenses
Toric Intraocular Lenses
Other Premium Intraocular Lenses
Premium Monofocal Lenses
Multifocal IOLs
Accommodative IOLs

#### 2. INDUSTRY OVERVIEW

Rising Incidence of Vision Disorders and the Subsequent Need for Vision Correction Procedures: A Business Case for Ocular Products

**Table 1.** Leading Causes of Vision Impairment Worldwide – Percentage Breakdown of Cases by Cause of Impairment for 2018E (includes corresponding Graph/Chart)

Intraocular Lenses (IOLs) – Promise of Improved Vision Aids Market Growth Growth Drivers and Restraints – In a Nutshell Driving Factors
Restraining Factors

Increasing Volume of Cataract Surgeries – Growth Opportunity for IOL Market

**Table 2.** Number of Cataract Procedures Worldwide in Millions for the Years 2010, 2012, 2014, 2016, 2018 and 2020 (includes corresponding Graph/Chart)

**Table 3.** World Cataract Surgeries (2016): Percentage Breakdown of Procedures by Country (includes corresponding Graph/Chart)



**Table 4.** Cataract Surgery Device Market Worldwide (2018E) – Percentage Breakdown of Value Sales for Femtosecond Laser Equipment, Intraocular Lens (IOL), Ophthalmic Viscoelastic Device (OVD) and Phacoemulsification Equipment (includes corresponding Graph/Chart)

Developed Countries Dominate with US Leading the Way in the IOLs Market
Asia-Pacific to Spearhead Future Growth
Premium Products Drive Revenue Growth
Rising Need for Lenses with Multi-Distance Vision Capability
Increase in IOL Implantations at Hospitals & Ambulatory Surgery Centers

**Table 5.** Global Intraocular Lenses Market by End-Use (2018E): Percentage Breakdown of Revenues for Ambulatory Surgery Centers, Eye Research Institutes, Hospitals and Ophthalmic Clinics (includes corresponding Graph/Chart)

Foldable IOLs Find Favor Challenges Confronting IOL Market

#### 3. GROWTH DRIVERS, MARKET TRENDS & ISSUES

The Transition from Non-foldable to Foldable Continues

Growing Demand for Phacoemulsification Drives Adoption of Foldable Lenses

Healthcare Spending & General Economy: Key Determinations of Growth in IOL Market

**Table 6.** Healthcare Spending as % of GDP by Geographic Region (2016) (includes corresponding Graph/Chart)

Demographic Factors Influencing Growth in the IOL Market Dramatic Growth in Geriatric Population

**Table 7.** Global Population Statistics for the 65+ Age Group (2016) (includes corresponding Graph/Chart)

**Table 8.** Elderly Population (65+ Years) as a % of Total Population (2000 & 2025) (includes corresponding Graph/Chart)



**Table 9.** Life Expectancy at Age 60 and 80 Years - (2010-2015), (2020-2025) and (2045-2050) (includes corresponding Graph/Chart)

**Burgeoning Global Population & Urbanization** 

**Table 10.** World Population (Millions) and Urbanization Rate (%) by Region/Country: 2016 & 2040 (includes corresponding Graph/Chart)

**Table 11.** Degree of Urbanization Worldwide: Urban Population as a % of Total Population by Geographic Region for the Years 1990, 2018 & 2050 (includes corresponding Graph/Chart)

Rising Risk of Diabetic Retinopathy Fuels Growth in IOLs Market

**Table 12.** Worldwide Prevalence of Diabetes: Number of Adults (20-79) with Diabetes by Region for 2017 and 2045 (includes corresponding Graph/Chart)

**Table 13.** Global Prevalence (%) of Diabetes in Adults (20-79) by Region for the Years 2017 and 2045 (includes corresponding Graph/Chart)

Target Customer Groups & their Requirement Patterns
Technological Innovations: A Boon to the IOL Industry
Lasers: The High-Tech Solution
Viscosurgery: A Safer Alternative
Low Energy Methods for Cataract Removal
Trifocal and Multifocal IOLs for Extended Depth of Focus
Latest Developments in IOLs and Associated Technologies
Perfect Lens

#### IC-8 IOL

Omega Gemini Capsule
Femtosecond Laser Heralds Next Generation of Refractive Surgery
Product Innovations in Accommodative IOLs Pep-Up the Market
PC-IOLs: Raising the Standard
Accommodative IOLs or Multifocal IOLs – The Tussle Carries On
Post-Operative Refractive Errors: A Concern for Premium IOLs



Adjustable IOLs – Addressing Refractive Concerns of IOLs

Debate Continues on Whether UV Protection is Essential in IOLs

The Blue Light Saga

Reimbursement Programs: The Key Determinant for Advanced IOLs

IOL Reimbursement – A Comparison between the US and European Systems

#### 4. PRODUCT LANDSCAPE

Multifocal IOLs

Multifocal Lenses – Bridging Gap between Conventional and Accommodative IOLs

A List of Select Multifocal Lenses Offered by Companies

Overview of Select Multifocal IOLs

ReSTOR (Alcon)

Tecnis (Johnson & Johnson Vision Care)

Lentis MPlus (Oculentis)

AT LISA (Carl Zeiss Meditec)

FineVision (PhysIOL)

Accommodative Intraocular lenses

Mechanisms in Accommodative IOL Creation

Accommodative Lenses and Their Need

A Glance at Select Accommodative Intraocular Lenses

Overview of Select Accommodative IOLs

Crystalens (Bausch + Lomb)

Tetraflex (Lenstec)

FluidVision Lens (PowerVision)

DynaCurve (NuLens Ltd.)

Tek-Clear IOL (Tekia)

Monofocal Lenses

Introduction

Monofocal Lenses – Advantages and Disadvantages

Advantages

Disadvantages

A Glance at Select Monofocal IOLs

Europe Takes the Front Seat in Monofocal IOLs

Toric IOLs

Toric Intraocular Lenses Gaining Momentum

Wide Power Range & Improved Surgical Procedures Drive Volumes of Toric Lenses

Aspheric IOLs

Aspheric Lenses Revolutionizing Vision



Micro-Incision IOLs

**Evolution of Lens Material** 

Various Materials Used in IOLs & their Characteristics

Rigid PMMA acrylic

Foldable Acrylics

Silicone Elastomers

Major Differentiating Characteristics

Refractive Index

Glass Transition Temperature

Water Content

Postoperative Calcification

Glisterings

# 5. PRODUCT OVERVIEW

**Evolution of Intraocular Lenses** 

Structure of IOL

Types of IOLs

Classification Based on Material Used

#### **PMMA**

Silicones

Flexible Acrylic

Hydrogels

Polymer with Thermo Mechanical Properties

Classification Based on In-Situ Location

Anterior Chamber IOLs

Iris-Clip Lens

Posterior Chamber IOLs

Classification Based on Focus

Monofocal IOLs

Standard Monofocal IOLs

Premium Lenses

Premium Monofocal Lenses

Multifocal IOLs

Types of Multifocal Lenses

Accommodative IOLs

Toric IOLs



Phakic IOLs

Types of Phakic IOLs

A Comparison of Standard Monofocal IOLs, Toric IOLs (Premium), Multifocal IOLs and

Accommodative IOLs

The Formation of Cataract

Astigmatism

Presbyopia

Cataract Extraction Procedures

Intracapsular Cataract Extraction

Extracapsular Cataract Extraction (ECCE)

Phacoemulsification

Post Cataract Extraction: The Alternatives Intraocular Lenses: A Much Better Solution

A Retrospection

#### 6. EFFECTS OF INTRAOCULAR LENSES IMPLANTATIONS

Changes in the Size of Capsulorhexis Following IOL Implantation

Effect of Anterior Chamber Baikoff Phakic IOLs on the Cornea

Posterior Chamber IOL Fixed Sclerally for Children with Monocular Aphakia

Aging of the Ciliary Sulcus on the Placement of Posterior Chamber IOLs

Cystic Epithelial Downgrowth: A Complication of Intraocular Surgery

Occurrence of Endophthalmitis After Secondary IOL Implantations

Effect of Implantation of Silicone IOLs through Different Types of Incisions

Width of the Anterior Capsule Opening After IOL Implantations

Evaluation of the Cellular Reaction on the Surface of PMMA IOLs

Incidence of Glaucoma in Children after Cataract Extraction & IOL Implantation

Effect of Incision Length During IOL Implantation On Corneal Astigmatism

Occurrence of Capsular Capture During Silicone IOL Implants

Evaluation of the Anis Circular Lens

Effect of Foldable Intraocular Lens Insertion On Incision Width

Corneal Complications After Cataract & IOL Surgery

Side Effects of Oval IOLs Implantation

Effects of Phacoemulsification & Small-incision IOL Implantation on Incision Width

Capsular Fibrotic Changes

Suitable Lens After Cataract Surgery: Multifocal or Monofocal?

Aspheric IOL Improves Visual Performance

# 7. REGULATIONS GOVERNING THE PRODUCTION AND APPROVAL OF IOLS



IOL Compressibility Test
IOL Vault Testing
Haptic Fatigue Testing
Dardenne Testing
Process of IOL Approval

#### 8. COMPETITIVE LANDSCAPE

An Intensely Competitive Marketplace

Alcon, Bausch + Lomb and J&J Vision Care: The Top Ranked Players in the Global IOL Market

**Table 14.** Leading Players in the Global Intraocular Lenses Market (2017): Percentage Breakdown of Sales for Alcon, Bausch + Lomb, Carl Zeiss Meditec, Johnson & Johnson Vision Care and Others (includes corresponding Graph/Chart)

8.1 Focus on Select Players

Alcon, Inc. (USA)

Bausch + Lomb, Inc. (USA)

Carl-Zeiss Meditec AG (Germany)

Aaren-Scientific, Inc. (USA)

EyeKon Medical, Inc. (USA)

Hoya Corporation (Japan)

Johnson & Johnson Vision Care, Inc. (USA)

Lenstec, Inc. (USA)

OcuLentis (Germany)

**OPHTEC BV (Netherlands)** 

PhysIOL s. a. (Belgium)

Rayner Intraocular Lenses Limited (UK)

STAAR Surgical Company (USA)

The HumanOptics AG (Germany)

8.2 Product Introductions/Innovations

HumanOptics AG Launches ASPIRA-aXa for Europe

Alcon Expands AcrySof IOL Portfolio

Swiss Advanced Vision Unveils Harmonis Customizable IOL

OPHTEC Launches Two IOL Precizon Presbyopic Models

Rayner Unveils CE marked Sulcoflex Trifocal Pseudophakic Supplementary IOL



HumanOptics AG Introduces ASPIRA-aXA IOL

SAV-IOL Launches Project R-TASC

Rayner to Introduce 600C Monofocal Aspheric IOL in US

HumanOptics Achieves Cylinder Correction of 40. 0 dt in Custom-Made IOL

Alcon Launches UltraSert Pre-loaded Intraocular Lens Delivery System

SAV-IOL Introduces Lucidis and Eden IOLs with Patented EDOF Technology

Bausch + Lomb Launches enVista MX60E IOL

Alcon Unveils Clareon Intraocular Lens

Rayner Introduces RayOne Aspheric and Spheric Monofocal Fully Preloaded IOL Injection Systems in Brazil

Alcon Introduces AcrySof IQ ReSTOR +2.5 Multifocal Toric IOLs

NIDEK Introduces SZ-1C Pre-Loaded IOL Injection System

Alcon Unveils AcrySof IQ PanOptix Toric IOL

8.3 Recent Industry Activity

STAAR Surgical Enters into Multiyear Strategic Alliance with Augenklinik am Marienplatz

Bausch + Lomb Receives Pre-Market Approval (PMA) from US FDA for enVista toric MX60T

Rayner Receives European CE Mark Approval for Hydrophobic Fully Preloaded IOL Injection System

Rayner Markets RayOne Fully Preloaded IOL Injection System in Argentina

Bausch + Lomb Gains FDA's 510(K) Clearance for Crystalsert 2.6 injector (CI-26)

Alcon Acquires ClarVista Medical

RxSight Gains US FDA Approval for RxSight Light Adjustable Lens

Alcon's Clareon Receives European CE Mark

Rayner Gains Indian CDSCO for RayOne Fully Preloaded IOL Injection System

Rayner Establishes US Subsidiary, Rayner Surgical

**HOYA Acquires Performance Optics** 

OPHTEC Wins CE Mark for Precizon Presbyopic IOL

Johnson & Johnson Acquires Abbott Medical Optics

Calhoun Vision Changes Name to RxSight

Rayner Gains CFDA Approval for Models in SulcoflexPseudophakic Supplementary IOLs

#### 9. GLOBAL MARKET PERSPECTIVE

**Table 15.** World Recent Past, Current & Future Analysis for Intraocular Lenses by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin



America and Rest of World Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 16.** World Historic Review for Intraocular Lenses by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 17.** World 14-Year Perspective for Intraocular Lenses by Geographic Region - Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

**Table 18.** World Recent Past, Current & Future Analysis for Standard Intraocular Lenses by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 19.** World Historic Review for Standard Intraocular Lenses by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 20.** World 14-Year Perspective for Standard Intraocular Lenses by Geographic Region - Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

**Table 21.** World Recent Past, Current & Future Analysis for Premium Intraocular Lenses by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 22.** World Historic Review for Premium Intraocular Lenses by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)



**Table 23.** World 14-Year Perspective for Premium Intraocular Lenses by Geographic Region - Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Latin America and Rest of World Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

#### 10. REGIONAL MARKET PERSPECTIVE

10.1 The United StatesA. Market AnalysisCurrent and Future Analysis

**Table 24.** US Intraocular Lenses (IOL) Market by Application (2018E): Percentage Breakdown of Value Sales for Cataract Surgery, Refractive Lens Exchange Surgery and Trauma Surgery (includes corresponding Graph/Chart)

**Table 25.** US Intraocular Lenses (IOL) Market (2018E): Percentage Breakdown of Sales by Material (includes corresponding Graph/Chart)

Increasing Prevalence of Cataract and Imperative Need for Surgery Bodes Well for Intraocular Lenses Market

**Table 26.** Leading Causes of Visual Impairment in the US – Percentage of Visual Impairment by Type of Condition (includes corresponding Graph/Chart)

**Table 27.** Number of Ophthalmic Procedures Performed (in Millions) in the US for the Years 2010, 2014, 2016 and 2018E (includes corresponding Graph/Chart)

**Table 28.** Cataract Population in the US – Number of People with Cataract in Millions of Individuals for the Years 2010, 2014, 2016, 2018 and 2020 (includes corresponding Graph/Chart)

**Table 29.** Cataract Prevalence in the US (2018E): Percentage Breakdown of Number of People Affected by Cataract by Age Group (includes corresponding Graph/Chart)

**Table 30.** Cataract Prevalence in the US (2018E): Percentage Breakdown of Number of People Affected by Cataract by Race (includes corresponding Graph/Chart)



**Table 31.** Cataract Occurrence in the US (2018E): Cataract-Affected Individuals as % of Population by Age Group (includes corresponding Graph/Chart)

Choice of IOL Determines Cost of Cataract Surgery

**Table 32.** Average Cost of Cataract Surgery Per Eye in Patients without Medicare Coverage and Private Health Insurance for 2017 (includes corresponding Graph/Chart)

Cataract Surgeries Shift from Hospital towards ASCs The State of the US Premium IOL Market

**Table 33.** Cataract Surgeries in the US (2018E): Percentage Breakdown of Number of Cataract Procedures by Type of IOL Used (includes corresponding Graph/Chart)

Select Premium IOLs Available by Type
Premium IOLs See Lethargic Growth in Adoption Rates
Future Bodes Well for Presbyopia- Correcting IOLs
Femtolasers Open New Ground for Cataract Surgery
Has the Delayed Approval for Crystalens been a Boon for US Patients?
Phakic IOLs Market: An Overview
Has the Initial Passion for Phakic IOLs Waned?
Cataract Surgery Reimbursement in the US
ASC Payment Rates for Ophthalmic Services

**Table 34.** Proposed ASC Payment Rates in US\$ for Ophthalmic Procedures in 2017 and 2018 (includes corresponding Graph/Chart)

Competitive Landscape

**Table 35.** Leading Players in the US IOL Market (2017): Percentage Breakdown of Revenues for Alcon, Bausch + Lomb, Johnson & Johnson Vision Care and Others (includes corresponding Graph/Chart)

**Table 36.** Leading Players in the US Standard Monofocal Lens Market (2016): Percentage Breakdown of Value Sales for Alcon, Bausch + Lomb and Others (includes



corresponding Graph/Chart)

**Table 37.** Leading Players in the US Premium Monofocal Lens Market (2016): Percentage Breakdown of Value Sales for Alcon, Bausch + Lomb and Johnson & Johnson Vision Care (includes corresponding Graph/Chart)

B. Market AnalyticsValue Analytics

**Table 38.** US Recent Past, Current & Future Analysis for Intraocular Lenses by Segment - Standard Intraocular Lenses and Premium Intraocular Lenses (Toric and Others) Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 39.** US Historic Review for Intraocular Lenses by Segment - Standard Intraocular Lenses and Premium Intraocular Lenses (Toric and Others) Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 40.** US 14-Year Perspective for Intraocular Lenses by Segment - Percentage Breakdown of Dollar Sales for Standard Intraocular Lenses and Premium Intraocular Lenses (Toric and Others) Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

Volume Analytics

**Table 41.** US Recent Past, Current & Future Analysis for Intraocular Lenses by Segment - Standard Intraocular Lenses and Premium Intraocular Lenses (Toric and Others) Markets Independently Analyzed with Annual Sales Figures in '000 Units for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 42.** US Historic Review for Intraocular Lenses by Segment - Standard Intraocular Lenses and Premium Intraocular Lenses (Toric and Others) Markets Independently Analyzed with Annual Sales Figures in '000 Units for Years 2011 through 2015 (includes corresponding Graph/Chart)

 Table 43. US 14-Year Perspective for Intraocular Lenses by Segment - Percentage



Breakdown of Volume Sales for Standard Intraocular Lenses and Premium Intraocular Lenses (Toric and Others) Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

10.2 CanadaMarket Analysis

**Table 44.** Canadian Recent Past, Current & Future Analysis for Intraocular Lenses by Segment - Standard Intraocular Lenses and Premium Intraocular Lenses Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 45.** Canadian Historic Review for Intraocular Lenses by Segment - Standard Intraocular Lenses and Premium Intraocular Lenses Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 46.** Canadian 14-Year Perspective for Intraocular Lenses by Segment - Percentage Breakdown of Dollar Sales for Standard Intraocular Lenses and Premium Intraocular Lenses Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

10.3 JapanMarket AnalysisValue Analytics

**Table 47.** Japanese Recent Past, Current & Future Analysis for Intraocular Lenses by Segment - Standard Intraocular Lenses and Premium Intraocular Lenses Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 48.** Japanese Historic Review for Intraocular Lenses by Segment - Standard Intraocular Lenses and Premium Intraocular Lenses Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 49. Japanese 14-Year Perspective for Intraocular Lenses by Segment -



Percentage Breakdown of Dollar Sales for Standard Intraocular Lenses and Premium Intraocular Lenses Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

Volume Analytics

**Table 50.** Japanese Recent Past, Current & Future Analysis for Intraocular Lenses by Segment - Standard Intraocular Lenses and Premium Intraocular Lenses Markets Independently Analyzed with Annual Sales Figures in '000 Units for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 51.** Japanese Historic Review for Intraocular Lenses by Segment - Standard Intraocular Lenses and Premium Intraocular Lenses Markets Independently Analyzed with Annual Sales Figures in '000 Units for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 52.** Japanese 14-Year Perspective for Intraocular Lenses by Segment - Percentage Breakdown of Volume Sales for Standard Intraocular Lenses and Premium Intraocular Lenses Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

10.4 EuropeA. Market AnalysisCurrent and Future AnalysisCataract Surgery in Europe

**Table 53.** Cataract Surgery in Europe – Breakdown of Number of Cataract Surgeries Performed Per 100,000 People by Country for 2017 (includes corresponding Graph/Chart)

A Focus on the European Premium IOL Market Phakic IOL – A Popular Lens Type in Europe B. Market Analytics Value Analytics

Table 54. European Recent Past, Current & Future Analysis for Intraocular Lenses by



Geographic Region - France, Germany, Italy, UK, Spain, Russia and Rest of Europe Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 55.** European Historic Review for Intraocular Lenses by Geographic Region - France, Germany, Italy, UK, Spain, Russia and Rest of Europe Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 56.** European 14-Year Perspective for Intraocular Lenses by Geographic Region - Percentage Breakdown of Dollar Sales for France, Germany, Italy, UK, Spain, Russia and Rest of Europe Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

**Table 57.** European Recent Past, Current & Future Analysis for Intraocular Lenses by Segment - Standard Intraocular Lenses and Premium Intraocular Lenses Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 58.** European Historic Review for Intraocular Lenses by Segment - Standard Intraocular Lenses and Premium Intraocular Lenses Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 59.** European 14-Year Perspective for Intraocular Lenses by Segment - Percentage Breakdown of Dollar Sales for Standard Intraocular Lenses and Premium Intraocular Lenses Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

Volume Analytics

**Table 60.** European Recent Past, Current & Future Analysis for Intraocular Lenses by Segment - Standard Intraocular Lenses and Premium Intraocular Lenses Markets Independently Analyzed with Annual Sales Figures in '000 Units for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 61.** European Historic Review for Intraocular Lenses by Segment - Standard Intraocular Lenses and Premium Intraocular Lenses Markets Independently Analyzed



with Annual Sales Figures in '000 Units for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 62.** European 14-Year Perspective for Intraocular Lenses by Segment - Percentage Breakdown of Volume Sales for Standard Intraocular Lenses and Premium Intraocular Lenses Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

10.4.1 France Market Analysis

**Table 63.** French Recent Past, Current & Future Analysis for Intraocular Lenses by Segment - Standard Intraocular Lenses and Premium Intraocular Lenses Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 64.** French Historic Review for Intraocular Lenses by Segment - Standard Intraocular Lenses and Premium Intraocular Lenses Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 65.** French 14-Year Perspective for Intraocular Lenses by Segment - Percentage Breakdown of Dollar Sales for Standard Intraocular Lenses and Premium Intraocular Lenses Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

10.4.2 Germany Market Analysis

**Table 66.** German Recent Past, Current & Future Analysis for Intraocular Lenses by Segment - Standard Intraocular Lenses and Premium Intraocular Lenses Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 67.** German Historic Review for Intraocular Lenses by Segment - Standard Intraocular Lenses and Premium Intraocular Lenses Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)



**Table 68.** German 14-Year Perspective for Intraocular Lenses by Segment - Percentage Breakdown of Dollar Sales for Standard Intraocular Lenses and Premium Intraocular Lenses Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

10.4.3 Italy Market Analysis

**Table 69.** Italian Recent Past, Current & Future Analysis for Intraocular Lenses by Segment - Standard Intraocular Lenses and Premium Intraocular Lenses Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 70.** Italian Historic Review for Intraocular Lenses by Segment - Standard Intraocular Lenses and Premium Intraocular Lenses Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 71.** Italian 14-Year Perspective for Intraocular Lenses by Segment - Percentage Breakdown of Dollar Sales for Standard Intraocular Lenses and Premium Intraocular Lenses Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

10.4.4 The United Kingdom
A. Market Analysis
Current and Future Analysis
Cataract Surgery Statistics in the UK – In a Nutshell
Overview of Cataract Reimbursement System in the UK
Rationing Forces Patients to Resort to Self-Pay
B. Market Analytics

**Table 72.** UK Recent Past, Current & Future Analysis for Intraocular Lenses by Segment - Standard Intraocular Lenses and Premium Intraocular Lenses Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 73.** UK Historic Review for Intraocular Lenses by Segment - Standard Intraocular Lenses and Premium Intraocular Lenses Markets Independently Analyzed with Annual



Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 74.** UK 14-Year Perspective for Intraocular Lenses by Segment - Percentage Breakdown of Dollar Sales for Standard Intraocular Lenses and Premium Intraocular Lenses Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

10.4.5 Spain Market Analysis

**Table 75.** Spanish Recent Past, Current & Future Analysis for Intraocular Lenses by Segment - Standard Intraocular Lenses and Premium Intraocular Lenses Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 76.** Spanish Historic Review for Intraocular Lenses by Segment - Standard Intraocular Lenses and Premium Intraocular Lenses Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 77.** Spanish 14-Year Perspective for Intraocular Lenses by Segment - Percentage Breakdown of Dollar Sales for Standard Intraocular Lenses and Premium Intraocular Lenses Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

10.4.6 Russia Market Analysis

**Table 78.** Russian Recent Past, Current & Future Analysis for Intraocular Lenses by Segment - Standard Intraocular Lenses and Premium Intraocular Lenses Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 79.** Russian Historic Review for Intraocular Lenses by Segment - Standard Intraocular Lenses and Premium Intraocular Lenses Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)



**Table 80.** Russian 14-Year Perspective for Intraocular Lenses by Segment - Percentage Breakdown of Dollar Sales for Standard Intraocular Lenses and Premium Intraocular Lenses Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

10.4.7 Rest of Europe
A. Market Analysis
Current and Future Analysis
Torics Gain Popularity in Ireland
B. Market Analytics

**Table 81.** Rest of Europe Recent Past, Current & Future Analysis for Intraocular Lenses by Segment - Standard Intraocular Lenses and Premium Intraocular Lenses Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 82.** Rest of Europe Historic Review for Intraocular Lenses by Segment - Standard Intraocular Lenses and Premium Intraocular Lenses Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 83.** Rest of Europe 14-Year Perspective for Intraocular Lenses by Segment - Percentage Breakdown of Dollar Sales for Standard Intraocular Lenses and Premium Intraocular Lenses Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

10.5 Asia-Pacific

A. Market Analysis

An Overview of the Asia-Pacific Cataract Market

IOL Market in Asia-Pacific: Benefiting from High-Growth Indian and Chinese Markets Lethargic Adoption Typifies Premium IOLs Market in Asia-Pacific

B. Market Analytics

**Table 84.** Asia-Pacific Recent Past, Current & Future Analysis for Intraocular Lenses by Geographic Region - China, India and Rest of Asia-Pacific Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)



**Table 85.** Asia-Pacific Historic Review for Intraocular Lenses by Geographic Region - China, India and Rest of Asia-Pacific Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 86.** Asia-Pacific 14-Year Perspective for Intraocular Lenses by Geographic Region - Percentage Breakdown of Dollar Sales for China, India and Rest of Asia-Pacific Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

**Table 87.** Asia-Pacific Recent Past, Current & Future Analysis for Intraocular Lenses by Segment - Standard Intraocular Lenses and Premium Intraocular Lenses Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 88.** Asia-Pacific Historic Review for Intraocular Lenses by Segment - Standard Intraocular Lenses and Premium Intraocular Lenses Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 89.** Asia-Pacific 14-Year Perspective for Intraocular Lenses by Segment - Percentage Breakdown of Dollar Sales for Standard Intraocular Lenses and Premium Intraocular Lenses Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

10.5.1 China
A. Market Analysis
Market Overview
B. Market Analytics

**Table 90.** Chinese Recent Past, Current & Future Analysis for Intraocular Lenses by Segment - Standard Intraocular Lenses and Premium Intraocular Lenses Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 91.** Chinese Historic Review for Intraocular Lenses by Segment - Standard Intraocular Lenses and Premium Intraocular Lenses Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)



**Table 92.** Chinese 14-Year Perspective for Intraocular Lenses by Segment - Percentage Breakdown of Dollar Sales for Standard Intraocular Lenses and Premium Intraocular Lenses Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

10.5.2 India
A. Market Analysis
An Overview of the Eye Care Market in India
IOL Market in India: An Insight
Adoption of Premium IOLs Limited
B. Market Analytics

**Table 93.** Indian Recent Past, Current & Future Analysis for Intraocular Lenses by Segment - Standard Intraocular Lenses and Premium Intraocular Lenses Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 94.** Indian Historic Review for Intraocular Lenses by Segment - Standard Intraocular Lenses and Premium Intraocular Lenses Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 95.** Indian 14-Year Perspective for Intraocular Lenses by Segment - Percentage Breakdown of Dollar Sales for Standard Intraocular Lenses and Premium Intraocular Lenses Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

10.5.3 Rest of Asia-Pacific Market Analysis

**Table 96.** Rest of Asia-Pacific Recent Past, Current & Future Analysis for Intraocular Lenses by Segment - Standard Intraocular Lenses and Premium Intraocular Lenses Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 97.** Rest of Asia-Pacific Historic Review for Intraocular Lenses by Segment - Standard Intraocular Lenses and Premium Intraocular Lenses Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015



(includes corresponding Graph/Chart)

**Table 98.** Rest of Asia-Pacific 14-Year Perspective for Intraocular Lenses by Segment - Percentage Breakdown of Dollar Sales for Standard Intraocular Lenses and Premium Intraocular Lenses Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

10.6 Latin America Market Analysis

**Table 99.** Latin American Recent Past, Current & Future Analysis for Intraocular Lenses by Geographic Region - Brazil and Rest of Latin America Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 100.** Latin American Historic Review for Intraocular Lenses by Geographic Region - Brazil and Rest of Latin America Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 101.** Latin American 14-Year Perspective for Intraocular Lenses by Geographic Region - Percentage Breakdown of Dollar Sales for Brazil and Rest of Latin America Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

**Table 102.** Latin American Recent Past, Current & Future Analysis for Intraocular Lenses by Segment - Standard Intraocular Lenses and Premium Intraocular Lenses Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 103.** Latin American Historic Review for Intraocular Lenses by Segment - Standard Intraocular Lenses and Premium Intraocular Lenses Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 104.** Latin American 14-Year Perspective for Intraocular Lenses by Segment - Percentage Breakdown of Dollar Sales for Standard Intraocular Lenses and Premium Intraocular Lenses Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)



10.6.1 Brazil Market Analysis

**Table 105.** Brazilian Recent Past, Current & Future Analysis for Intraocular Lenses by Segment - Standard Intraocular Lenses and Premium Intraocular Lenses Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 106.** Brazilian Historic Review for Intraocular Lenses by Segment - Standard Intraocular Lenses and Premium Intraocular Lenses Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 107.** Brazilian 14-Year Perspective for Intraocular Lenses by Segment - Percentage Breakdown of Dollar Sales for Standard Intraocular Lenses and Premium Intraocular Lenses Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

10.6.2 Rest of Latin America Market Analysis

**Table 108.** Rest of Latin America Recent Past, Current & Future Analysis for Intraocular Lenses by Segment - Standard Intraocular Lenses and Premium Intraocular Lenses Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 109.** Rest of Latin America Historic Review for Intraocular Lenses by Segment - Standard Intraocular Lenses and Premium Intraocular Lenses Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 110.** Rest of Latin America 14-Year Perspective for Intraocular Lenses by Segment - Percentage Breakdown of Dollar Sales for Standard Intraocular Lenses and Premium Intraocular Lenses Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

10.7 Rest of World



Market Analysis

**Table 111.** Rest of World Recent Past, Current & Future Analysis for Intraocular Lenses by Segment - Standard Intraocular Lenses and Premium Intraocular Lenses Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 112.** Rest of World Historic Review for Intraocular Lenses by Segment - Standard Intraocular Lenses and Premium Intraocular Lenses Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 113.** Rest of World 14-Year Perspective for Intraocular Lenses by Segment - Percentage Breakdown of Dollar Sales for Standard Intraocular Lenses and Premium Intraocular Lenses Markets for Years 2011, 2018 & 2024 (includes corresponding Graph/Chart)

#### 11. COMPANY PROFILES

Total Companies Profiled: 28 (including Divisions/Subsidiaries - 30)

The United States (15)

Canada (1)

Japan (2)

Europe (9)

Germany (4)

The United Kingdom (1)

Rest of Europe (4)

Asia-Pacific (Excluding Japan) (2)

Middle East (1)



# I would like to order

Product name: Intraocular Lenses: Market Research Report

Product link: https://marketpublishers.com/r/l812D90E844EN.html

Price: US\$ 5,600.00 (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 <a href="https://marketpublishers.com/r/l812D90E844EN.html">https://marketpublishers.com/r/l812D90E844EN.html</a>