

# Obstruction Lighting: Market Research Report

<https://marketpublishers.com/r/OC844C215D7EN.html>

Date: December 2014

Pages: 169

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

ID: OC844C215D7EN

## Abstracts

This report analyzes the worldwide markets for Obstruction Lighting in US\$ Million. The report provides separate comprehensive analytics for the US, Canada, Japan, Europe, Asia-Pacific, Middle East & Africa, and Latin America. Annual estimates and forecasts are provided for the period 2013 through 2020. Also, a seven-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 56 companies including many key and niche players such as -

Avaid's Technovators Pvt. Ltd.

BTI Light Systems A/S

Carmanah Technologies Corporation

Ceravision Limited

Dialight plc

## Contents

### I. INTRODUCTION, METHODOLOGY & PRODUCT DEFINITIONS

Study Reliability and Reporting Limitations  
Disclaimers  
Data Interpretation & Reporting Level  
Quantitative Techniques & Analytics  
Product Definition and Scope of Study

### II. EXECUTIVE SUMMARY

#### 1. MARKET OVERVIEW

Obstruction Lighting – An Introduction  
Current and Future Analysis  
Developing Countries – The Current Hotspots for Growth  
Competition

#### 2. MARKET TRENDS AND ISSUES

LED Based Obstruction Lighting Gains Traction

**Table 1.** Leading Segments in Obstruction Lighting Market (2013): Percentage Breakdown for CFC, HID, LED and LFL (includes corresponding Graph/Chart)

Focus Intensifies on Advanced Features  
Solar Driven Power Systems: An Emerging Lucrative Alternative  
Market for Type A Painted Tower Diminishes  
Flashing Red Lights over Steady Lights  
Rise in Air Passenger Traffic Bodes Well for the Market

**Table 2.** Global Air Traffic Flow (In Billion Revenue Passenger Kilometers (RPKs) for the Years 2011, 2013E, 2015P & 2030P (includes corresponding Graph/Chart)

**Table 3.** Global Fleet of Commercial Aircraft (In Units) for the Years 2011, 2013E & 2015P (includes corresponding Graph/Chart)

**Table 4.** World Aviation Industry: Projected Compounded Annual Growth Rates (CAGR) for Air Passenger Traffic (RPKs) for the Period 2011-2030 by Region (includes corresponding Graph/Chart)

Expanding Tower Base to Drive Growth

**Table 5.** Worldwide Mobile Networks (2013 & 2018): Percentage Share Breakdown of Number of Connections by Type of Network Technology (includes corresponding Graph/Chart)

Closer Look at the Underlying Figures....

**Table 6.** Mobile Internet Traffic Growth (2010-2015) (in Petabytes/month) (includes corresponding Graph/Chart)

**Table 7.** World Smartphone Penetration for Select Countries (as a Percentage of Mobile Phone Users): 2013 (includes corresponding Graph/Chart)

**Table 8.** Global Smartphones Market - Leading Countries Ranked by CAGR for 2013-2018: Brazil, Canada, China, France, Germany, India, Italy, Japan, Russia, UK, and US (includes corresponding Graph/Chart)

High-Speed Networks Emerge to Support Growing Use of Internet Based Data Services

**Table 9.** Worldwide Mobile Data Traffic by Device Type (2013, 2015 & 2018) - Percentage Share Breakdown of Monthly Data Traffic Volume for Laptops, Non-Smartphones, Smartphones, Tablets, and Others (includes corresponding Graph/Chart)

**Table 10.** Worldwide Mobile Data Traffic by Application (2013, 2015 & 2018) - Percentage Share Breakdown of Monthly Data Traffic Volume for Data, File Sharing, M2M, and Video (includes corresponding Graph/Chart)

Growth in the Wind Energy Sector to Propel Market for Obstruction Lights

**Table 11.** Global Wind Power Market (2013): Percentage Breakdown of Cumulative

Installed Capacity in Megawatts by Region (includes corresponding Graph/Chart)

**Table 12.** Global Offshore Wind Energy Total Installed Base (2013) - Percentage Share Breakdown of Capacity Installed by Top Ten Countries (includes corresponding Graph/Chart)

**Table 13.** Global Offshore Wind Energy New Installed Base (2013) - Percentage Share Breakdown of Capacity Installed by Top Five Countries (includes corresponding Graph/Chart)

Asia-Pacific and Europe Dominate Wind Power Capacity Installations

Demand for Cost Effective Solutions by Wind Industry Spurs Technological

Advancements

Maintenance – A Challenge

Emergence of Wireless Technologies for Monitoring

Regulatory Scenario

Comparison of International Standards for Wind Farm Obstacle Lighting for Select Countries

### **3. PRODUCT OVERVIEW**

Obstruction Lights: An Introduction

Types of Obstruction Lights

Low Intensity Obstruction Lights

Medium Intensity Obstruction Lights

High Intensity obstruction Lighting

### **4. PRODUCT INTRODUCTIONS/INNOVATIONS**

Flash Technology Introduces Vanguard II

Dialight Unveils New SafeSite

Orga Showcases a Smart LED Obstruction Marking and Lighting Solution

Avlite Launches ICAO MIOL Type B

Unimar Unveils New Obstruction Lighting Solution

Obelux Unveils 100 000cd Stand Alone Obstruction Light

Dialight Rolls Out New Obstruction Lighting Products

TWR Lighting Showcases L450 LED Obstacle Light

Obelux Oy Kutomotie Introduces LED based Type B/C 2000cd Red Obstruction Light

Hughey & Phillips Introduces LED based Dual Medium Intensity Strobos

Flash Technology Unveils Vanguard LED Series

H & P Unveils HORIZON L-810 Range

Binay Opto Introduces MIA-DX-40KCD-W LED Aviation Obstruction Light

## 5. RECENT INDUSTRY ACTIVITY

Obelux Bags LED Aviation Obstruction Lights Supply Contract from Telenor

Hughey & Phillips Inks Supply Contract with Telecom Company

Obelux Receives Contract from Gamesa for LED Aviation Obstruction Lights

Dialight Receives FAA Certification for Vigilant Series L-864 LED Beacon

Orga BV's L450 Receives FAA Certification

Gatwick Airport Selects Obstruction Lights of Carmanah Technologies

## 6. FOCUS ON SELECT PLAYERS

Avaid's Technovators Pvt. Ltd. (India)

BTI Light Systems A/S (Denmark)

Carmanah Technologies Corporation (Canada)

Ceravision Limited (UK)

Dialight plc (UK)

Hughey & Phillips, LLC (US)

International Tower Lighting, LLC (US)

Orga Aviation BV (The Netherlands)

TWR Lighting, Inc. (US)

SPX Corporation (US)

Flash Technology (US)

## 7. GLOBAL MARKET PERSPECTIVE

**Table 14.** World Recent Past, Current & Future Analysis for Obstruction Lighting by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin America Markets Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2013 through 2020 (includes corresponding Graph/Chart)

**Table 15.** World Historic Review for Obstruction Lighting by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin America Markets Independently Analyzed with Annual Sales Figures in US\$ Million for

Years 2006 through 2012 (includes corresponding Graph/Chart)

**Table 16.** World 15-Year Perspective for Obstruction Lighting by Geographic Region - Percentage Breakdown of Value Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin America Markets for Years 2006, 2014 & 2020 (includes corresponding Graph/Chart)

### **III. MARKET**

#### **1. THE UNITED STATES**

##### **A. Market Analysis**

###### **Outlook**

Telecom Sector Drives Ahead the Market for Obstruction Lights

Demand for Smartphones Surges, Augurs Well for the Market

**Table 17.** US Mobile Phone Market: Percentage Share Breakdown of Mobile Phone Ownership among Adults by Type (2013) (includes corresponding Graph/Chart)

Preference for LED Obstruction Lights over Xenon Lights

Strong Prospects for Wind Power to Benefit Demand for Obstruction Lighting

**Table 18.** US Energy Market (2013): Percentage Breakdown of Net Energy Generated by Source (includes corresponding Graph/Chart)

**Table 19.** Leading US States by Cumulative Installed Capacity in Megawatts (2012) (includes corresponding Graph/Chart)

##### **Competitive Landscape**

###### **Regulatory Standards**

Guidelines for Wind Farms and Wind Turbine

Strategic Corporate Development

Product Introductions/Innovations

Select Players

##### **B. Market Analytics**

**Table 20.** US Recent Past, Current & Future Analysis for Obstruction Lighting Market with Annual Sales Figures in US\$ Million for Years 2013 through 2020 (includes corresponding Graph/Chart)

**Table 21.** US Historic Review for Obstruction Lighting Market with Annual Sales Figures in US\$ Million for Years 2006 through 2012 (includes corresponding Graph/Chart)

## **2. CANADA**

### **A. Market Analysis**

Outlook

Canada High on Wind Power

Canadian Market for Wind Energy to Witness Steady Growth, Demand Strong for Obstruction Lighting

Regulatory Norms

Recent Industry Activity

Carmanah Technologies Corporation - A Select Player

### **B. Market Analytics**

**Table 22.** Canadian Recent Past, Current & Future Analysis for Obstruction Lighting Market with Annual Sales Figures in US\$ Million for Years 2013 through 2020 (includes corresponding Graph/Chart)

**Table 23.** Canadian Historic Review for Obstruction Lighting Market with Annual Sales Figures in US\$ Million for Years 2006 through 2012 (includes corresponding Graph/Chart)

## **3. JAPAN**

### **A. Market Analysis**

Outlook

### **B. Market Analytics**

**Table 24.** Japanese Recent Past, Current & Future Analysis for Obstruction Lighting Market with Annual Sales Figures in US\$ Million for Years 2013 through 2020 (includes corresponding Graph/Chart)

**Table 25.** Japanese Historic Review for Obstruction Lighting Market with Annual Sales Figures in US\$ Million for Years 2006 through 2012 (includes corresponding Graph/Chart)

## **4. EUROPE**

### **A. Market Analysis**

#### **Outlook**

Europe: The Leader in Wind Power Technology, Fosters Demand for Obstruction Lighting

**Table 26.** European Offshore Wind Capacity Annual Installations (2013) - Percentage Share Breakdown of MW Capacity by Country (includes corresponding Graph/Chart)

**Table 27.** European Cumulative Offshore Wind Turbine Installations (2013) - Percentage Share Breakdown of MW Installations by Country (includes corresponding Graph/Chart)

**Table 28.** European Offshore Wind Capacity Annual Installations (2013) - Percentage Share Breakdown of Installed Capacity by Sea Basin (includes corresponding Graph/Chart)

**Table 29.** EU Electricity Production from Wind Energy (2000-2030): Annual Breakdown by Methods -Onshore and Offshore (In TWh) (includes corresponding Graph/Chart)

EC's New Proposals for Promoting Wind Energy & Other Renewables

### **B. Market Analytics**

**Table 30.** European Recent Past, Current & Future Analysis for Obstruction Lighting by Geographic Region - France, Germany, Italy, UK, Spain, Russia and Rest of European Markets Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2013 through 2020 (includes corresponding Graph/Chart)

**Table 31.** European Historic Review for Obstruction Lighting by Geographic Region - France, Germany, Italy, UK, Spain, Russia and Rest of European Markets Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2006 through 2012 (includes corresponding Graph/Chart)



**Table 32.** European 15-Year Perspective for Obstruction Lighting by Geographic Region - Percentage Breakdown of Value Sales for France, Germany, Italy, UK, Spain, Russia and Rest of European Markets for Years 2006, 2014 & 2020 (includes corresponding Graph/Chart)

#### **4A. FRANCE**

- A. Market Analysis
- Outlook
- B. Market Analytics

**Table 33.** French Recent Past, Current & Future Analysis for Obstruction Lighting Market with Annual Sales Figures in US\$ Million for Years 2013 through 2020 (includes corresponding Graph/Chart)

**Table 34.** French Historic Review for Obstruction Lighting Market with Annual Sales Figures in US\$ Million for Years 2006 through 2012 (includes corresponding Graph/Chart)

#### **4B. GERMANY**

- A. Market Analysis
- Outlook
- Regulatory Norms
- B. Market Analytics

**Table 35.** German Recent Past, Current & Future Analysis for Obstruction Lighting Market with Annual Sales Figures in US\$ Million for Years 2013 through 2020 (includes corresponding Graph/Chart)

**Table 36.** German Historic Review for Obstruction Lighting Market with Annual Sales Figures in US\$ Million for Years 2006 through 2012 (includes corresponding Graph/Chart)

#### **4C. ITALY**

- A. Market Analysis

## Outlook

### B. Market Analytics

**Table 37.** Italian Recent Past, Current & Future Analysis for Obstruction Lighting Market with Annual Sales Figures in US\$ Million for Years 2013 through 2020 (includes corresponding Graph/Chart)

**Table 38.** Italian Historic Review for Obstruction Lighting Market with Annual Sales Figures in US\$ Million for Years 2006 through 2012 (includes corresponding Graph/Chart)

## 4D. THE UNITED KINGDOM

### A. Market Analysis

#### Outlook

#### Recent Industry Activity

#### Select Players

### B. Market Analytics

**Table 39.** The UK Recent Past, Current & Future Analysis for Obstruction Lighting Market with Annual Sales Figures in US\$ Million for Years 2013 through 2020 (includes corresponding Graph/Chart)

**Table 40.** The UK Historic Review for Obstruction Lighting Market with Annual Sales Figures in US\$ Million for Years 2006 through 2012 (includes corresponding Graph/Chart)

## 4E. SPAIN

### A. Market Analysis

#### Outlook

### B. Market Analytics

**Table 41.** Spanish Recent Past, Current & Future Analysis for Obstruction Lighting Market with Annual Sales Figures in US\$ Million for Years 2013 through 2020 (includes corresponding Graph/Chart)

**Table 42.** Spanish Historic Review for Obstruction Lighting Market with Annual Sales Figures in US\$ Million for Years 2006 through 2012 (includes corresponding Graph/Chart)

#### **4F. RUSSIA**

A. Market Analysis

Outlook

B. Market Analytics

**Table 43.** Russian Recent Past, Current & Future Analysis for Obstruction Lighting Market with Annual Sales Figures in US\$ Million for Years 2013 through 2020 (includes corresponding Graph/Chart)

**Table 44.** Russian Historic Review for Obstruction Lighting Market with Annual Sales Figures in US\$ Million for Years 2006 through 2012 (includes corresponding Graph/Chart)

#### **4G. REST OF EUROPE**

A. Market Analysis

Outlook

Product Introductions/Innovations

Recent Industry Activity

Select Players

B. Market Analytics

**Table 45.** Rest of Europe Recent Past, Current & Future Analysis for Obstruction Lighting Market with Annual Sales Figures in US\$ Million for Years 2013 through 2020 (includes corresponding Graph/Chart)

**Table 46.** Rest of Europe Historic Review for Obstruction Lighting Market with Annual Sales Figures in US\$ Million for Years 2006 through 2012 (includes corresponding Graph/Chart)

#### **5. ASIA-PACIFIC**

## A. Market Analysis

### Outlook

Asian Countries Spearhead Wind Power Market Growth, Fuel Demand for Obstruction Lighting

## B. Market Analytics

**Table 47.** Asia-Pacific Recent Past, Current & Future Analysis for Obstruction Lighting by Geographic Region - China, India and Rest of Asia-Pacific Markets Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2013 through 2020 (includes corresponding Graph/Chart)

**Table 48.** Asia-Pacific Historic Review for Obstruction Lighting by Geographic Region - China, India and Rest of Asia-Pacific Markets Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2006 through 2012 (includes corresponding Graph/Chart)

**Table 49.** Asia-Pacific 15-Year Perspective for Obstruction Lighting by Geographic Region - Percentage Breakdown of Value Sales for China, India and Rest of Asia-Pacific Markets for Years 2006, 2014 & 2020 (includes corresponding Graph/Chart)

## 5A. CHINA

## A. Market Analysis

### Outlook

Focus on Wind Energy Surges, Bodes Well for Obstruction Lighting Demand

**Table 50.** Chinese Wind Power Generation (2007-2013) - Breakdown in Billions of KWh (includes corresponding Graph/Chart)

**Table 51.** Chinese Electricity Production (2009-2013) - Percentage Share Breakdown by Source (includes corresponding Graph/Chart)

China's Obstruction Lighting Guidelines

Aviation Lights Positioning Guidelines

## B. Market Analytics

**Table 52.** Chinese Recent Past, Current & Future Analysis for Obstruction Lighting Market with Annual Sales Figures in US\$ Million for Years 2013 through 2020 (includes corresponding Graph/Chart)

**Table 53.** Chinese Historic Review for Obstruction Lighting Market with Annual Sales Figures in US\$ Million for Years 2006 through 2012 (includes corresponding Graph/Chart)

## **5B. INDIA**

### A. Market Analysis

#### Outlook

#### Indian Wind Energy Industry – Marching Ahead

**Table 54.** Indian Wind Power Installations (2013): Percentage Share Breakdown of Cumulative Capacity Installations by State (includes corresponding Graph/Chart)

**Table 55.** Top Ten Wind Farms in India (2013): Wind Farms Ranked on the Basis of Total Capacity in Mwe (includes corresponding Graph/Chart)

#### Recent Industry Activity

Avaid's technovators pvt. Ltd. – A Key Player

### B. Market Analytics

**Table 56.** Indian Recent Past, Current & Future Analysis for Obstruction Lighting Market with Annual Sales Figures in US\$ Million for Years 2013 through 2020 (includes corresponding Graph/Chart)

**Table 57.** Indian Historic Review for Obstruction Lighting Market with Annual Sales Figures in US\$ Million for Years 2006 through 2012 (includes corresponding Graph/Chart)

## **5C. REST OF ASIA-PACIFIC**

### A. Market Analysis

#### Outlook

#### Australia

Reflection Minimization  
Minimization of Visual Environmental Impact  
Other Requisites  
Product Introduction/Innovation  
B. Market Analytics

**Table 58.** Rest of Asia-Pacific Recent Past, Current & Future Analysis for Obstruction Lighting Market with Annual Sales Figures in US\$ Million for Years 2013 through 2020 (includes corresponding Graph/Chart)

**Table 59.** Rest of Asia-Pacific Historic Review for Obstruction Lighting Market with Annual Sales Figures in US\$ Million for Years 2006 through 2012 (includes corresponding Graph/Chart)

## **6. MIDDLE EAST & AFRICA**

A. Market Analysis  
Outlook  
B. Market Analytics

**Table 60.** Middle East & Africa Recent Past, Current & Future Analysis for Obstruction Lighting Market with Annual Sales Figures in US\$ Million for Years 2013 through 2020 (includes corresponding Graph/Chart)

**Table 61.** Middle East & Africa Historic Review for Obstruction Lighting Market with Annual Sales Figures in US\$ Million for Years 2006 through 2012 (includes corresponding Graph/Chart)

## **7. LATIN AMERICA**

A. Market Analysis  
Outlook  
B. Market Analytics

**Table 62.** Latin American Recent Past, Current & Future Analysis for Obstruction Lighting Market with Annual Sales Figures in US\$ Million for Years 2013 through 2020

(includes corresponding Graph/Chart)

**Table 63.** Latin American Historic Review for Obstruction Lighting Market with Annual Sales Figures in US\$ Million for Years 2006 through 2012 (includes corresponding Graph/Chart)

#### **IV. COMPETITIVE LANDSCAPE**

Total Companies Profiled: 56 (including Divisions/Subsidiaries - 60)

The United States (16)

Canada (1)

Europe (24)

France (1)

Germany (5)

The United Kingdom (5)

Italy (1)

Rest of Europe (12)

Asia-Pacific (Excluding Japan) (19)

## I would like to order

Product name: Obstruction Lighting: Market Research Report

Product link: <https://marketpublishers.com/r/OC844C215D7EN.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](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/OC844C215D7EN.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