

# **North America Visible Light Communication Technology Market by Component (LED, IR Emitters, Image Sensor, Optocouplers) by Application (Indoor Networking, Underwater Communication, Location - based Service, Intelligent Traffic System) by Geography (U.S., Canada, Mexico) - Analysis and Forecast to 2019**

<https://marketpublishers.com/r/NCE2ED0164AEN.html>

Date: April 2015

Pages: 75

Price: US\$ 2,650.00 (Single User License)

ID: NCE2ED0164AEN

## **Abstracts**

The North American visible light communication technology market is estimated to grow with a CAGR of 71.6% from 2014 to 2019. North American VLC technology market accounted for a market share of 30% in the global visible light communication technology market in 2014. The growth of North American visible light communication technology market is driven by increasing government funding for this technology and power efficiency offered by this technology.

In this report, the North America visible light communication technology market has been broadly classified into components, such as LED, IR emitters, image sensor, and Optocouplers. The LED segment is growing with the highest CAGR of 73.3% from 2014 to 2019.

Geographically, the U.S. is estimated to command the largest share of 68.5% of the North America visible light communication technology market, followed by Canada. The visible light communication technology market of Canada is growing with the highest CAGR of 95.4% from 2014 to 2019. The factors driving the growth of visible light communication technology market in Canada are the increasing use of visible light communication technology in indoor networking, underwater communication, and other applications.

There are a number of players currently operating in the North American market for visible light communication technology, which makes it a competitive one. As of 2014, PureLiFi (U.K.), Nakagawa Laboratories, Inc. (Japan), LVX Systems (U.S.), and ByteLight (U.S.) were operational in this regional market. New product developments and partnerships, agreements, and acquisitions are the major strategies adopted by most market players to achieve growth in the visible light communication technology market.

#### Customization Options:

Along with the market data, you can also customize the MMM assessments that are in accordance to your company's specific needs. Customize to get comprehensive industry standard and deep-dive analysis of the following parameters:

#### Product Analysis:

- Usage pattern (in-depth trend analysis) of products (segment-wise).

- Product matrix, which gives a detailed comparison of product portfolio of each company, mapped at country and sub-segment level.

- End-user adoption rate analysis of the products (segment-wise and country-wise).

- Comprehensive coverage of product approvals, pipeline products, and product recalls.

#### Data from Manufacturing Firms:

- Fast turn-around analysis of responses from manufacturing firms regarding recent market events and trends.

- Opinions from various firms regarding different applications where visible light communication technology can be used.

- Qualitative inputs on macro-economic indicators and mergers & acquisitions in each geography.

### Comparative Analysis:

Market data and key developments of top companies

### Shipment/Volume Data:

Tracking the value of components shipped annually in each geography

### Trend analysis of Application:

Application matrix, which gives a detailed comparison of application portfolio of each company, mapped in each geography.

## Contents

### **1 INTRODUCTION**

- 1.1 OBJECTIVES OF THE STUDY
- 1.2 MARKET SEGMENTATION AND COVERAGE
- 1.3 STAKEHOLDERS

### **2 RESEARCH METHODOLOGY**

- 2.1 INTEGRATED ECOSYSTEM OF VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET
- 2.2 ARRIVING AT THE NORTH AMERICA VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET SIZE
  - 2.2.1 TOP-DOWN APPROACH
  - 2.2.2 DEMAND SIDE APPROACH
  - 2.2.3 MACRO INDICATOR-BASED APPROACH
- 2.3 ASSUMPTIONS

### **3 EXECUTIVE SUMMARY**

### **4 MARKET OVERVIEW**

- 4.1 INTRODUCTION
- 4.2 NORTH AMERICA VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET: COMPARISON WITH PARENT MARKET
- 4.3 MARKET DRIVERS AND INHIBITORS
- 4.4 KEY MARKET DYNAMICS
- 4.5 DEMAND SIDE ANALYSIS

### **5 VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET, BY COMPONENT**

- 5.1 INTRODUCTION
- 5.2 NORTH AMERICA LIGHT EMITTING DIODE (LED) VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET, BY GEOGRAPHY
- 5.3 NORTH AMERICA INFRARED EMITTER VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET, BY GEOGRAPHY
- 5.4 NORTH AMERICA OPTOCOUPLER VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET, BY GEOGRAPHY

## 5.5 NORTH AMERICA IMAGE SENSOR VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET, BY GEOGRAPHY

## 6 VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET, BY APPLICATION

### 6.1 INTRODUCTION

### 6.2 INTELLIGENT TRAFFIC SYSTEM

#### 6.2.1 NORTH AMERICA VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET IN INTELLIGENT TRAFFIC SYSTEM, BY GEOGRAPHY

#### 6.2.2 NORTH AMERICA VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET IN INTELLIGENT TRAFFIC SYSTEM, BY SB-SEGMENT

### 6.3 INDOOR NETWORKING

#### 6.3.1 NORTH AMERICA VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET IN INDOOR NETWORKING, BY GEOGRAPHY

### 6.4 IN-FLIGHT ENTERTAINMENT AND COMMUNICATION

#### 6.4.1 NORTH AMERICA VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET IN IN-FLIGHT ENTERTAINMENT AND COMMUNICATION, BY GEOGRAPHY

### 6.5 UNDERWATER COMMUNICATION

### 6.6 LOCATION-BASED SERVICE

#### 6.6.1 NORTH AMERICA VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET IN LOCATION-BASED SERVICE, BY GEOGRAPHY

#### 6.6.2 NORTH AMERICA VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET IN LOCATION-BASED SERVICE, BY SB-SEGMENT

## 7 VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET, BY GEOGRAPHY

### 7.1 INTRODUCTION

### 7.2 U.S. VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET

#### 7.2.1 U.S. VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET, BY APPLICATION

#### 7.2.2 U.S. VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET, BY COMPONENT

#### 7.2.3 U.S. VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET, BY COMPONENT

### 7.3 CANADA VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET

#### 7.3.1 CANADA VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET, BY APPLICATION

#### 7.3.2 CANADA VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET, BY COMPONENT

7.3.3 CANADA VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET, BY COMPONENT

7.4 MEXICO VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET

7.4.1 MEXICO VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET, BY APPLICATION

7.4.2 MEXICO VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET, BY COMPONENT

7.4.3 MEXICO VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET, BY COMPONENT

## **8 VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET: COMPETITIVE LANDSCAPE**

8.1 NORTH AMERICA VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET: COMPANY SHARE ANALYSIS

8.2 NEW PRODUCT DEVELOPMENTS

8.3 OTHER DEVELOPMENTS

## **9 NORTH AMERICA VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET, BY COMPANY**

(Overview, Financials, Products & Services, Strategy, and Developments)\*

9.1 PRELIFI

9.2 NAKAGAWA LABORATORIES, INC.

9.3 OLEDCOMM FRANCE LIFI

9.4 BYTELIGHT

9.5 LVX SYSTEM

\*Details on overview, financials, product & services, strategy, and developments might not be captured in case of unlisted company

## **10 APPENDIX**

10.1 CUSTOMIZATION OPTIONS

10.1.1 PRODUCT PORTFOLIO ANALYSIS

10.1.2 COUNTRY-LEVEL DATA ANALYSIS

10.1.3 PRODUCT COMPARISON OF VARIOUS COMPETITORS

10.2 RELATED REPORTS

## **11 INTRODUCING RT: REAL TIME MARKET INTELLIGENCE**

### **11.1 RT SNAPSHOTS**

#### **11.1.1 SNAPSHOT 1: ECOSYSTEM**

#### **11.1.2 SNAPSHOT 2: QUANTITATIVE CHART**

## List Of Tables

### LIST OF TABLES

Table 1 NORTH AMERICA VISIBLE LIGHT COMMUNICATION APPLICATION MARKET, 2014 (SD MN)

Table 2 NORTH AMERICA R&D EXPENDITURE, 2012-2013 (SD MN)

Table 3 NORTH AMERICA VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET: COMPARISON WITH PARENT MARKET, 2013-2019 (SD MN)

Table 4 NORTH AMERICA VISIBLE LIGHT COMMUNICATIONS MARKET: DRIVERS AND INHIBITORS

Table 5 NORTH AMERICA VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET, BY APPLICATION, 2013-2019 (SD MN)

Table 6 NORTH AMERICA VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET, BY COMPONENT, 2013-2019 (SD MN)

Table 7 NORTH AMERICA VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET: COMPARISON WITH APPLICATION MARKETS, 2013-2019 (SD MN)

Table 8 NORTH AMERICA VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET, BY COMPONENT, 2013-2019 (SD MN)

Table 9 NORTH AMERICA VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET: COMPONENT COMPARISON WITH PARENT MARKET, 2013-2019 (SD MN)

Table 10 NORTH AMERICA LED VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET, BY GEOGRAPHY, 2013-2019 (SD MN)

Table 11 NORTH AMERICA INFRARED EMITTER VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET, BY GEOGRAPHY, 2013-2019 (SD MN)

Table 12 NORTH AMERICA OPTOCOUPLER VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET, BY GEOGRAPHY, 2013-2019 (SD MN)

Table 13 NORTH AMERICA IMAGE SENSOR VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET, BY GEOGRAPHY, 2013-2019 (SD MN)

Table 14 NORTH AMERICA VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET, BY APPLICATION, 2013-2019 (SD MN)

Table 15 NORTH AMERICA VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET IN INTELLIGENT TRAFFIC SYSTEM, BY GEOGRAPHY, 2013-2019 (SD MN)

Table 16 NORTH AMERICA VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET IN INTELLIGENT TRAFFIC SYSTEM, BY SB-SEGMENT, 2013-2019 (SD MN)

Table 17 NORTH AMERICA VISIBLE LIGHT COMMUNICATION TECHNOLOGY



MARKET IN INDOOR NETWORKING, BY GEOGRAPHY, 2013-2019 (SD MN)
Table 18 NORTH AMERICA VISIBLE LIGHT COMMUNICATION TECHNOLOGY
MARKET IN IN-FLIGHT ENTERTAINMENT AND COMMUNICATION, BY GEOGRAPHY,
2013-2019 (SD '000)
Table 19 NORTH AMERICA VISIBLE LIGHT COMMUNICATION TECHNOLOGY
MARKET IN UNDERWATER COMMUNICATION, BY GEOGRAPHY, 2013-2019 (SD
'000)
Table 20 NORTH AMERICA VISIBLE LIGHT COMMUNICATION TECHNOLOGY
MARKET IN LOCATION-BASED SERVICE, BY GEOGRAPHY, 2013-2019 (SD MN)
Table 21 NORTH AMERICA VISIBLE LIGHT COMMUNICATION TECHNOLOGY
MARKET IN LOCATION-BASED SERVICE, BY SB-SEGMENT, 2013-2019 (SD MN)
Table 22 NORTH AMERICA VISIBLE LIGHT COMMUNICATION TECHNOLOGY
MARKET, BY GEOGRAPHY, 2013-2019 (SD MN)
Table 23 U.S. VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET, BY
APPLICATION, 2013-2019 (SD MN)
Table 24 U.S. VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET, BY
COMPONENT, 2013-2019 (SD MN)
Table 25 U.S. VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET, BY
COMPONENT, 2013-2019 (SD MN)
Table 26 CANADA VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET, BY
APPLICATION, 2013-2019 (SD MN)
Table 27 CANADA VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET, BY
COMPONENT, 2013-2019 (SD MN)
Table 28 CANADA VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET, BY
COMPONENT, 2013-2019 (SD MN)
Table 29 MEXICO VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET, BY
APPLICATION, 2013-2019 (SD '000)
Table 30 MEXICO VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET, BY
COMPONENT, 2013-2019 (SD '000)
Table 31 MEXICO VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET, BY
COMPONENT, 2013-2019 (SD MN)
Table 32 NORTH AMERICA VISIBLE LIGHT COMMUNICATION TECHNOLOGY
MARKET: COMPANY SHARE ANALYSIS, 2014 (%)
Table 33 NORTH AMERICA VISIBLE LIGHT COMMUNICATION TECHNOLOGY
MARKET: NEW PRODUCT DEVELOPMENTS
Table 34 NORTH AMERICA VISIBLE LIGHT COMMUNICATION TECHNOLOGY
MARKET: OTHER DEVELOPMENTS

## LIST OF FIGURES

Figure 1 NORTH AMERICA VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET: SEGMENTATION & COVERAGE

Figure 2 INTEGRATED ECOSYSTEM OF VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET

Figure 3 RESEARCH METHODOLOGY

Figure 4 TOP-DOWN APPROACH

Figure 5 DEMAND SIDE APPROACH

Figure 6 MACRO INDICATOR-BASED APPROACH

Figure 7 NORTH AMERICA VISIBLE LIGHT COMMUNICATIONS MARKET: SNAPSHOT

Figure 8 VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET: GROWTH ASPECTS

Figure 9 NORTH AMERICA VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET: COMPARISON WITH PARENT MARKET

Figure 10 NORTH AMERICA VISIBLE LIGHT COMMUNICATION APPLICATION MARKET, BY GEOGRAPHY, 2014 VS. 2019

Figure 11 NORTH AMERICA VISIBLE LIGHT COMMUNICATION COMPONENT MARKET, BY GEOGRAPHY, 2014

Figure 12 DEMAND SIDE ANALYSIS

Figure 13 NORTH AMERICA VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET, BY COMPONENT, 2013-2019 (SD MN)

Figure 14 NORTH AMERICA VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET: COMPONENT COMPARISON WITH PARENT MARKET, 2013-2019 (SD MN)

Figure 15 NORTH AMERICA LED VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET, BY GEOGRAPHY, 2013-2019 (SD MN)

Figure 16 NORTH AMERICA INFRARED EMITTER VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET, BY GEOGRAPHY, 2013-2019 (SD MN)

Figure 17 NORTH AMERICA OPTOCOPLER VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET, BY GEOGRAPHY, 2013-2019 (SD MN)

Figure 18 NORTH AMERICA IMAGE SENSOR VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET, BY GEOGRAPHY, 2013-2019 (SD MN)

Figure 19 NORTH AMERICA VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET, BY APPLICATION, 2013-2019 (SD MN)

Figure 20 NORTH AMERICA VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET IN INTELLIGENT TRAFFIC SYSTEM, BY GEOGRAPHY, 2013-2019 (SD MN)

Figure 21 NORTH AMERICA VISIBLE LIGHT COMMUNICATION TECHNOLOGY

MARKET IN INTELLIGENT TRAFFIC SYSTEM, BY SB-SEGMENT, 2013-2019 (SD MN)

Figure 22 NORTH AMERICA VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET IN INDOOR NETWORKING, BY GEOGRAPHY, 2013-2019 (SD MN)

Figure 23 NORTH AMERICA VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET IN IN-FLIGHT ENTERTAINMENT AND COMMUNICATION, BY GEOGRAPHY, 2013-2019 (SD '000)

Figure 24 NORTH AMERICA VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET IN UNDERWATER COMMUNICATION, BY GEOGRAPHY, 2013-2019 (SD '000)

Figure 25 NORTH AMERICA VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET IN LOCATION-BASED SERVICE, BY GEOGRAPHY, 2013-2019 (SD MN)

Figure 26 NORTH AMERICA VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET IN LOCATION-BASED SERVICE, BY SB-SEGMENT, 2013-2019 (SD MN)

Figure 27 NORTH AMERICA VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET: GROWTH ANALYSIS, BY GEOGRAPHY, 2014-2019 (SD MN)

Figure 28 U.S. VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET OVERVIEW, 2014 & 2019 (SD MN)

Figure 29 U.S. VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET, BY APPLICATION, 2013-2019 (SD MN)

Figure 30 U.S. VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET: COMPONENT SNAPSHOT

Figure 31 U.S. VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET, BY COMPONENT, 2013-2019 (SD MN)

Figure 32 CANADA VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET OVERVIEW, 2014 & 2019 (SD MN)

Figure 33 CANADA VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET, BY APPLICATION, 2013-2019 (SD MN)

Figure 34 CANADA VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET: COMPONENT SNAPSHOT

Figure 35 CANADA VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET, BY COMPONENT, 2013-2019 (SD MN)

Figure 36 MEXICO VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET OVERVIEW, 2014 & 2019 (SD MN)

Figure 37 MEXICO VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET, BY APPLICATION, 2013-2019 (SD '000)

Figure 38 MEXICO VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET: COMPONENT SNAPSHOT

Figure 39 MEXICO VISIBLE LIGHT COMMUNICATION TECHNOLOGY MARKET, BY

COMPONENT, 2013-2019 (SD MN)

Figure 40 NORTH AMERICA VISIBLE LIGHT COMMUNICATION TECHNOLOGY  
MARKET: COMPANY SHARE ANALYSIS, 2014 (%)

**ABOT MICROMARKETMONITOR**

## I would like to order

Product name: North America Visible Light Communication Technology Market by Component (LED, IR Emitters, Image Sensor, Optocouplers) by Application (Indoor Networking, Underwater Communication, Location - based Service, Intelligent Traffic System) by Geography (U.S., Canada, Mexico) - Analysis and Forecast to 2019

Product link: <https://marketpublishers.com/r/NCE2ED0164AEN.html>

Price: US\$ 2,650.00 (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/NCE2ED0164AEN.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