

# **LED Light Bars: Market Research Report**

https://marketpublishers.com/r/L0C0E82238DEN.html

Date: January 2014

Pages: 95

Price: US\$ 4,500.00 (Single User License)

ID: L0C0E82238DEN

### **Abstracts**

This report analyzes the worldwide markets for LED Light Bars in Million Units.

The report analyzes the global and major regional markets in terms of unit shipments of LEDs used in light bars for backlighting in the following large area display applications: Monitors, Notebook PCs, Televisions, and Others.

The report provides separate comprehensive analytics for Taiwan, South Korea, Japan, China, and Rest of World.

Annual estimates and forecasts are provided for the period 2011 through 2020.

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 20 companies including many key and niche players such as -

BKE&T Co., Ltd.

Cree, Inc.

**Edison Opto Corporation** 

Kai Yiu Optical Co., Ltd.

Lextar Electronics Corporation



### **Contents**

### I.INTRODUCTION, METHODOLOGY & PRODUCT DEFINITIONS

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

#### II. EXECUTIVE SUMMARY

#### 1.INDUSTRY OVERVIEW

A Prelude

Quick Facts:

LED Light Bars Supply Chain

From Mobiles to Televisions to General Lighting: Tracing the Journey of LEDs

Change in Focus of LED Applications

Table 1. Number of LED Chips for Backlighting in Select Devices

Low Cost LEDs Penetrate General Illumination Market Televisions: Largest End-use Segment for LED Light Bars A Maturing LED Backlighting Market

**Table 2.** Global LED Chips Demand and Supply Balance for Backlighting Application in 2010 and 2011 (includes corresponding Graph/Chart)

**Table 3.** Global Market for LEDs (2010 & 2020): Percentage Share Breakdown of Market Value by Application - General Lighting, Automotive Lighting and Backlighting (includes corresponding Graph/Chart)

**Table 4.** Global LED Component Market (2012-2015) - Percentage Share Breakdown of Revenues by Application (includes corresponding Graph/Chart)

**Table 5.** Global Market for LEDs for IT Device Backlighting (2012): Percentage Share



Breakdown of Value Sales by Application (includes corresponding Graph/Chart)

Chinese LED Packaging Companies Offer Tough Competition to Taiwanese and Korean Counterparts

LED Backlighting for Large Area Displays: Major Application Areas
Challenges Confronting LED Light Bar Manufacturers
Vertically Integrated Competitors: A Threat to LED Light Bar Suppliers
Fewer LEDs Required Lead to Oversupply

**Table 6.** LED Die Usage per TV in 2009 and 2010: A Comparison (includes corresponding Graph/Chart)

Outlook

Developing Asian Countries to Drive Long Term Growth

### 2.MARKET TRENDS, ISSUES AND DRIVERS

Rising Demand for Large Screen Televisions to Aid Growth in the Long Run Global LCD TV Penetration and Demand Outlook Bodes Well for the Market

**Table 7.** Global LCD TV Shipments in Million Units for Leading 15 Brands: 2014E (includes corresponding Graph/Chart)

**Table 8.** Leading LCD TV Manufacturing Countries Worldwide (2013): Percentage Share Breakdown of Volume Shipments by Country (includes corresponding Graph/Chart)

**Table 9.** Global LCD TV Penetration Rate by Type: 2014E (includes corresponding Graph/Chart)

**Table 10.** Global TV Production (2013 & 2014E) - Percentage Share Breakdown of Volume Production by Type (includes corresponding Graph/Chart)

**Table 11.** Global LCD Panel Shipments (2013): Percentage Share Breakdown of Volume Shipments by Manufacturer (includes corresponding Graph/Chart)

India Offers Significant Market Potential or LED/LCD TVs



**Table 12.** Global TV Penetration by Country/ Region (2012): Penetration Level by Number of TV Sets per a Thousand Population (includes corresponding Graph/Chart)

Slowing LCD TV Sales in Developed Countries: Fading Opportunity for LED Light Bars?
LCD Interfacing to Counterbalance Reduced Demand from TV Panels
LED Backlighting Technology as a Smart TV Purchase Driver
LED Backlighting Overcomes Design Challenges of LCD TVs
Direct LED TV Backlighting Approach Grows in Prominence
Edge-Lit LED TV and Direct-Lit LED TV: A Comparison
LED LCD TV Type and Brightness in nits: 2011 & 2012

**Table 13.** Select TV Brands and Backlight Type Used (2012) (includes corresponding Graph/Chart)

**Table 14.** Global Shipments of LCD TV Panels (2011-2013): Percentage Share Breakdown of Volume Shipments by Backlighting Technology (includes corresponding Graph/Chart)

Energy Efficient LEDs: A Decisive Growth Factor
The Medical Sector: A Fast Growing End-use Segment for LED LCD Panels
Liquid Crystal Displays Bid Adieu to Legacy CCFL Backlighting, Embrace LEDs
LED Technology vs. CCFL Backlighting

**Table 15.** CCFL and LED Backlit TVs Prices in 2011 and 2012: Reducing Price Gap (includes corresponding Graph/Chart)

LCD TV Panel Thickness and Cost Comparison
Display & Signage: An Important Application Area

**Table 16.** Luminous Intensity Required for Select LED-Based Devices

OLED in Display Applications: A Potent Threat for LED Light Bars?
Industrial Applications Seeks Further Improvements in Display Solutions
LED LCD Displays for Harsher Environments: Further Improvisations Required



#### 3.PRODUCT OVERVIEW

LED Technology for Backlighting Application
LED Light Bar
LEDs Used in Light Bars
LEDs Introduction
Major Characteristics of LED
Applications of LED
Change in Focus of LED Applications

### Table 17. Luminous Intensity Required for Select LED-Based Devices

LED Manufacturing Process
Advantages and Disadvantages of LEDs

### **4.FOCUS ON SELECT GLOBAL PLAYERS**

BKE&T Co., Ltd. (South Korea)

Cree, Inc. (US)

Edison Opto Corporation (Taiwan)

Kai Yiu Optical Co., Ltd. (Taiwan)

Lextar Electronics Corporation (Taiwan)

LG Innotek (South Korea)

Nichia Corporation (Japan)

OSRAM Opto Semiconductors GmbH (Germany)

Philips Lumileds Lighting Company (US)

Samsung Electronics Co., Ltd. (South Korea)

Seoil Electronics Co., Ltd. (South Korea)

Seoul Semiconductor Co., Ltd. (South Korea)

Taiwan Surface Mounting Technology (Taiwan)

Regent Manner International Holdings Limited (China)

Toyoda Gosei Co., Ltd. (Japan)

#### **5.GLOBAL MARKET PERSPECTIVE**

Table 18. World Recent Past, Current & Future Analysis for LED Light Bars in Backlight



Applications for Large Area Displays by Geographic Region - Taiwan, South Korea, Japan, China and Rest of World Markets Independently Analyzed with Annual Shipments of LEDs in Million Units for Years 2011 through 2020 (includes corresponding Graph/Chart)

**Table 19.** World 10-Year Perspective for LED Light Bars in Backlight Applications for Large Area Displays by Geographic Region - Percentage Breakdown of Unit Shipments for Taiwan, South Korea, Japan, China and Rest of World Markets for Years 2011, 2014 and 2020 (includes corresponding Graph/Chart)

**Table 20.** World Recent Past, Current & Future Analysis for Monitor Light Bars by Geographic Region - Taiwan, South Korea, Japan, China and Rest of World Markets Independently Analyzed with Annual Shipments of LEDs in Million Units for Years 2011 through 2020 (includes corresponding Graph/Chart)

**Table 21.** World 10-Year Perspective for Monitor Light Bars by Geographic Region - Percentage Breakdown of Unit Shipments for Taiwan, South Korea, Japan, China and Rest of World Markets for Years 2011, 2014 and 2020 (includes corresponding Graph/Chart)

**Table 22.** World Recent Past, Current & Future Analysis for Notebook PC Light Bars by Geographic Region - Taiwan, South Korea, Japan, China and Rest of World Markets Independently Analyzed with Annual Shipments of LEDs in Million Units for Years 2011 through 2020 (includes corresponding Graph/Chart)

**Table 23.** World 10-Year Perspective for Notebook PC Light Bars by Geographic Region - Percentage Breakdown of Unit Shipments for Taiwan, South Korea, Japan, China and Rest of World Markets for Years 2011, 2014 and 2020 (includes corresponding Graph/Chart)

**Table 24.** World Recent Past, Current & Future Analysis for Television Light Bars by Geographic Region - Taiwan, South Korea, Japan, China and Rest of World Markets Independently Analyzed with Annual Shipments of LEDs in Million Units for Years 2011 through 2020 (includes corresponding Graph/Chart)

**Table 25.** World 10-Year Perspective for Television Light Bars by Geographic Region - Percentage Breakdown of Unit Shipments for Taiwan, South Korea, Japan, China and Rest of World Markets for Years 2011, 2014 and 2020 (includes corresponding Graph/Chart)



**Table 26.** World Recent Past, Current & Future Analysis for Other Light Bars by Geographic Region - Taiwan, South Korea, Japan, China and Rest of World Markets Independently Analyzed with Annual Shipments of LEDs in Million Units for Years 2011 through 2020 (includes corresponding Graph/Chart)

**Table 27.** World 10-Year Perspective for Other Light Bars by Geographic Region - Percentage Breakdown of Unit Shipments for Taiwan, South Korea, Japan, China and Rest of World Markets for Years 2011, 2014 and 2020 (includes corresponding Graph/Chart)

#### III. MARKET

#### 1.TAIWAN

A. Market Analysis
Outlook
Taiwan Enhances LED Production Capacity
Taiwanese LED Market Overview
Government Providing a Helping Hand
Lack of Patents Constrains Growth
LED LCD TVs Completely Displace CRT Based LCD TVs
Select Key Players
B. Market Analytics

**Table 28.** Taiwanese Recent Past, Current & Future Analysis for LEDs for Light Bars in Large Area Displays by Application - Monitors, Notebook PCs, Televisions and Others Markets Independently Analyzed with Annual Shipment Figures in Million Units for Years 2011 through 2020 (includes corresponding Graph/Chart)

**Table 29.** Taiwanese 10-Year Perspective for LEDs for Light Bars in Large Area Displays by Application - Percentage Breakdown of Unit Shipments for Monitors, Notebook PCs, Televisions and Others Markets for Years 2011, 2014 & 2020 (includes corresponding Graph/Chart)

#### 2.SOUTH KOREA

LED Light Bars: Market Research Report



A. Market AnalysisOutlookSelect Key PlayersB. Market Analytics

**Table 30.** South Korean Recent Past, Current & Future Analysis for LEDs for Light Bars in Large Area Displays by Application - Monitors, Notebook PCs, Televisions and Others Markets Independently Analyzed with Annual Shipment Figures in Million Units for Years 2011 through 2020 (includes corresponding Graph/Chart)

**Table 31.** South Korean 10-Year Perspective for LEDs for Light Bars in Large Area Displays by Application - Percentage Breakdown of Unit Shipments for Monitors, Notebook PCs, Televisions and Others Markets for Years 2011, 2014 & 2020 (includes corresponding Graph/Chart)

#### 3.JAPAN

A. Market Analysis
Outlook
Japan: Leading Producer of LEDs Worldwide
LED Lighting Market
LED Backlighting Market
Select Key Players
B. Market Analytics

**Table 32.** Japanese Recent Past, Current & Future Analysis for LEDs for Light Bars in Large Area Displays by Application - Monitors, Notebook PCs, Televisions and Others Markets Independently Analyzed with Annual Shipment Figures in Million Units for Years 2011 through 2020 (includes corresponding Graph/Chart)

**Table 33.** Japanese 10-Year Perspective for LEDs for Light Bars in Large Area Displays by Application - Percentage Breakdown of Unit Shipments for Monitors, Notebook PCs, Televisions and Others Markets for Years 2011, 2014 & 2020 (includes corresponding Graph/Chart)



### 4.CHINA

A. Market Analysis
Outlook

Chinese LED Market Overview

Chinese LED Packaging Companies Offer Tough Competition to Taiwanese and

Korean Counterparts

Select Key Player

B. Market Analytics

**Table 34.** Chinese Recent Past, Current & Future Analysis for LEDs for Light Bars in Large Area Displays by Application - Monitors, Notebook PCs, Televisions and Others Markets Independently Analyzed with Annual Shipment Figures in Million Units for Years 2011 through 2020 (includes corresponding Graph/Chart)

**Table 35.** Chinese 10-Year Perspective for LEDs for Light Bars in Large Area Displays by Application - Percentage Breakdown of Unit Shipments for Monitors, Notebook PCs, Televisions and Others Markets for Years 2011, 2014 & 2020 (includes corresponding Graph/Chart)

#### **5.REST OF WORLD**

A. Market AnalysisOutlookSelect Key PlayersB. Market Analytics

**Table 36.** Rest of World Recent Past, Current & Future Analysis for LEDs for Light Bars in Large Area Displays by Application - Monitors, Notebook PCs, Televisions and Others Markets Independently Analyzed with Annual Shipment Figures in Million Units for Years 2011 through 2020 (includes corresponding Graph/Chart)

**Table 37.** Rest of World 10-Year Perspective for LEDs for Light Bars in Large Area Displays by Application - Percentage Breakdown of Unit Shipments for Monitors, Notebook PCs, Televisions and Others Markets for Years 2011, 2014 & 2020 (includes corresponding Graph/Chart)

LED Light Bars: Market Research Report



# IV. COMPETITIVE LANDSCAPE

Total Companies Profiled:
The United States (3)
Japan (2)
Germany (1)
Asia-Pacific (Excluding Japan) (14)



#### I would like to order

Product name: LED Light Bars: Market Research Report

Product link: <a href="https://marketpublishers.com/r/L0C0E82238DEN.html">https://marketpublishers.com/r/L0C0E82238DEN.html</a>

Price: US\$ 4,500.00 (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/L0C0E82238DEN.html">https://marketpublishers.com/r/L0C0E82238DEN.html</a>

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	
	Custumer signature	

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

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