
Description:

Global and China Automotive Lighting Industry Report, 2016 focuses on the followings:

1. Status quo and trend of headlight design
2. Technical analysis on laser/OLED/AFS/ADB/night vision system
3. Global and Chinese automotive lighting market size and forecast
4. Competitive landscape of global and China automotive lighting industry
5. Competitive landscape of global and China automotive LED industry
6. Global brake system and EPS manufacturers

Global automotive lighting market size was USD27 billion in 2015, up 3.8% from a year earlier, and is expected to grow by 1.9% year on year to USD27.5 billion in 2016. The reasons for the slowdown are as follows:

- Slowdown in both Chinese and American markets
- Drastic devaluation of the euro and the yen
- Continued decline in prices of LED dies and LED lamps
- Falling prices of oil and plexiglass (a raw material of headlights)

In 2015, the global OEM automotive lighting market valued about USD24 billion, while the maintenance and modification markets fetched about USD1.5 billion each. The maintenance market remained stable, but the modification market witnessed gradual decline with the growth of pre-installed xenon lamps.

Adaptive Driving Beam (ADB) must be with LED headlights. Low power consumption, simple design (compared with HiD) and dropping prices of LED propel the application of LED headlights quickly as the share may increase from 9% in 2015 to 27% in 2020. At the same time, xenon lamps still occupy a place in the medium and high-end market because of the high brightness, and the share herein will stabilize at around 14%.

Especially in China, people are enthusiastic about xenon lamps because they meet their pursuit for fashion and dazzling, so such lamps will still be more popular than LED in Chinese medium and high-end market. Due to high costs, laser headlights are expected to seize the share of only 1% in 2019. The ADB penetration rate will jump from 5% in 2015 to 25% in 2020, the AFS penetration rate will escalate from 10% in 2015 to 23% in 2020, and China will see 30%.

Contents:

1 Headlight Design
   1.1 Benz’s New-generation LED Headlight
   1.2 Cadillac’s CTS Headlight
   1.3 Audi’s and BMW’s Headlight
   1.4 Honda’s and Lexus’ Headlight

2. Laser/OLED/AFS/ADB/Night Vision System
   2.1 BMW’s Laser Headlight
   2.2 Audi’s Sport Quattro Laser Headlight
   2.3 Audi’s R8 LMX Laser Headlight
   2.4 OLED Taillight
   2.5 Audi’s OLED Taillight
   2.6 AFS/ADB Penetration Rate in 2015-2020
   2.7 Introduction to AFS and System Structure
   2.8 AFS ECU
   2.9 AFS Working Principle
   2.10 OSRAM’s LED PIXELATED AFS
   2.11 HBA (high beam assist) / Adaptive Driving Beam (ADB)
   2.12 HBA (high beam assist) Must Be with LED Headlights
   2.13 HBA (high beam assist) Image Sensor
2.14 Gentex Smart Beam Overview
2.15 HW-Architecture of SmartBeam
2.16 Night Vision Overview
2.17 FLIR PathfindIR and Lens
2.18 Night Vision Static
2.19 BMW's Night Vision
2.20 Night Vision Trend
2.21 FIR Camera Market Volume and ASP in 2012-2020E
2.22 Introduction to FLIR

3. Automotive Lighting Market and Industry
3.1 Global Automotive Lighting Market Size, 2010-2020E
3.2 Global Headlight Shipment by Technology, 2015-2020E
3.3 Revenue of Major Automotive Lighting Manufacturers in the World, 2013-2016
3.4 Market Share of Global Major Headlight Manufacturers (by Shipment), 2015
3.5 Automotive Lighting System Supply Structure of Toyota, 2015
3.6 Automotive Lighting System Supply Structure of Honda, 2015
3.7 Automotive Lighting System Supply Structure of Nissan Renault, 2014
3.8 Automotive Lighting System Supply Structure of GM, 2015
3.9 Automotive Lighting System Supply Structure of Ford, 2015
3.10 Automotive Lighting System Supply Structure of VW, 2015
3.11 Automotive Lighting System Supply Structure of Hyundai, 2015
3.12 Chinese Automotive Lighting Market Size, 2010-2020E
3.13 Market Share of Chinese Major Headlight Manufacturers
3.14 Supply Relationship between Chinese Headlight Manufacturers and Car Makers

4 Automotive LED Industry
4.1 Global LED Applications, 2014-2020E
4.2 Ranking of Global Top 10 LED Manufacturers by Revenue, 2013-2015
4.3 Market Share of Automotive LED Suppliers, 2015
4.4 Nichia's Revenue and Operating Margin, 2003-2015
4.5 Profile of Osram
4.6 Osram Targets High-end Market and Aftermarket
4.7 LED Revenue of Toyoda Gosei, FY2008-FY2016
4.8 Lumileds

5. Automotive Lighting Companies
5.1 Koito
5.2 Hella
5.3 Automotive Lighting
5.4 Stanley
5.5 ZKW
5.6 Valeo
5.7 Ichikoh
5.8 South Korea SL
5.9 Varroc
5.10 TYC
5.11 DEPO
5.12 Ta Yih Industrial
5.13 Changzhou Xingyu Automotive Lighting Systems
5.14 Jiangsu Tongming
5.15 Liaowang Automotive Lamp
5.16 Laster Tech

Ordering:

Order Online - http://www.researchandmarkets.com/reports/3771352/

Order by Fax - using the form below

Order by Post - print the order form below and send to

Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
**Fax Order Form**
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit [http://www.researchandmarkets.com/contact/](http://www.researchandmarkets.com/contact/)

**Order Information**
Please verify that the product information is correct and select the format(s) you require.

<table>
<thead>
<tr>
<th>Product Name:</th>
<th>Global and China Automotive Lighting Industry Report, 2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Web Address:</td>
<td><a href="http://www.researchandmarkets.com/reports/3771352/">http://www.researchandmarkets.com/reports/3771352/</a></td>
</tr>
<tr>
<td>Office Code:</td>
<td>SCPLR4UV</td>
</tr>
</tbody>
</table>

**Product Formats**
Please select the product formats and quantity you require:

<table>
<thead>
<tr>
<th>Quantity</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic (PDF) -</td>
<td>USD 1800</td>
</tr>
<tr>
<td>Single User:</td>
<td></td>
</tr>
<tr>
<td>Hard Copy:</td>
<td>USD 2000 + USD 57 Shipping/Handling</td>
</tr>
<tr>
<td>Electronic (PDF) -</td>
<td>USD 2900</td>
</tr>
<tr>
<td>Enterprisewide:</td>
<td></td>
</tr>
</tbody>
</table>

* Shipping/Handling is only charged once per order.

**Contact Information**
Please enter all the information below in **BLOCK CAPITALS**

<table>
<thead>
<tr>
<th>Title:</th>
<th>Mr</th>
<th>Mrs</th>
<th>Dr</th>
<th>Miss</th>
<th>Ms</th>
<th>Prof</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Name:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Last Name:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Email Address: *</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Job Title:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Organisation:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Address:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>City:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Postal / Zip Code:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Country:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Phone Number:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fax Number:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:

Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:

Account number 833 130 83
Sort code 98-53-30
Swift code ULSBIE2D
IBAN number IE78ULSB98533083313083
Bank Address Ulster Bank,
27-35 Main Street,
Blackrock,
Co. Dublin,
Ireland.

If you have a Marketing Code please enter it below:

Marketing Code: ____________________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World