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Global Light Sensor Market Size study, by Function (Ambient Light Sensing, Proximity Detection, RGB Colour Sensing, and IR Detection), Output (Analog and Digital), End Use (Automotive, Consumer Electronics, Industrial, Healthcare, and Others), and Regional Forecasts 2021-2027

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Abstracts

Global Light Sensor Market is valued approximately USD 3.16 billion in 2020 and is anticipated to grow with a healthy growth rate of more than 10.8% over the forecast period 2021-2027. Light sensor is an electrical device used to measure and convert physical measurements into analog signal. Laser sensor works on the basis of the theory of triangulation principle. The increasing use of laser sensors in manufacturing and automation sector, low cost and high speed electronic circuits, innovative signal processing methods and advanced technological manufacturing are some of the factors driving the light sensor market across the world. With the growth in use of electronics, sensor technologies, smart homes, etc. makes light detector a preferred technology as it detects the presence of multiplexing, electromagnetic interference and superior sensitivity in the devices. According to Emerson, the global factory automation market is expected to rise from 3% in 2019 to 3.5 percent by 2021, indicating that market demand is expected to remain stable. Furthermore, future trends in the maritime and offshore industries are expected to include the use of laser sensor technology advancement. LADAR (Laser Detection and Ranging) is primarily a laser-based navigational aid that combines long-distance object detection with high-accuracy measurement to provide users with a complete 2D/3D/4D (3 D plus time) perspective for optimum maritime information. However, restrictions on operating temperature, lack of technological advancement and high sensitivity is hampering the growth of the market over the forecast period of 2021-2027. Also, change in market regulation, new product launches

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and value chain optimization sensor is likely to boost the market growth during the forecast period.

Globally, Asia Pacific holds the highest market share across the world, as the population is growing the demand for electronic goods is also increasing and the growth of automobile manufacturers in the region is highly influencing the market of laser sensor in the region. Whereas, North America is also anticipated to exhibit highest growth rate over the forecast period 2021-2027. Factors such as large number of market players in the region and actively developing and innovating sensor designs will create new opportunities for the light sensor market to grow across North American region.

Major market player included in this report are:
STMicroelectronics NV
Cognizant
Sitronix Technology Corporation
AMS AG
Samsung Electronics Co. Ltd.
Maxim Integrated Products Inc.
Broadcom Inc.
Elan Microelectronics Corp.
Analog Devices, Inc.
The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:
By Function:
Ambient Light Sensing
Proximity Detection
RGB Colour Sensing
IR Detection
By Output:
Analog
Digital

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By End Use:
Automotive
Consumer Electronics
Industrial
Healthcare
Others
By Region:
North America
U.S.
Canada
Europe
UK
Germany
France
Spain
Italy
ROE

Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC
Latin America
Brazil
Mexico
Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019
Base year – 2020
Forecast period – 2021 to 2027

Target Audience of the Global Light Sensor Market in Market Study:

Key Consulting Companies & Advisors

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Large, medium-sized, and small enterprises
Venture capitalists
Value-Added Resellers (VARs)
Third-party knowledge providers
Investment bankers
Investors

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