High Beam Assist Market by Technology (Halogen, LED, and Xenon) Forecast, 2021–2030

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PORTLAND, OR, UNITED STATES, March 9, 2022 /EINPresswire.com/ -- High beam Assist is type of automotive headlight technology which is used to illuminate the vehicle's advancing path when other vehicles are not present. It automatically switches headlights to low beam from high beam and back to reduce driving burden. This system automatically switches the headlights setting to low beam from high beam when it detects a vehicle ahead. Frequent usage of high beams allows for earlier detection of pedestrians, supporting safer driving. Moreover, the assist system includes a reflector, a light source containing two or more light emitting bodies, and forward-sensing camera (FSC), and LiDAR, CMOS, or RADAR sensors. The camera and sensors detect various forms of lights such as headlights, taillights, and ambient light from the surrounding area and turns the light focus brighter or dimmer automatically, making it easier for the driver to recognize hazards. Furthermore, the system detects oncoming and preceding vehicles and provides a broader field of vision for the driver to see further into the distance and recognize hazards earlier to avoid accidents. In addition, the high assist does not work properly under certain conditions such as driving on curves such as corners or mountain roads, streetlamps, reflective signs, roadside markers, and bad weather.

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Major Market Players:
Faurecia SA, Tenneco Inc., Eberspacher GmbH & Co. Kg, Futaba Industrial Co. Ltd., Friedrich Boysen GmbH & Co. Kg, Sango Co. Ltd., Benteler International AG, Yutaka Giken Co. Ltd., Sejong Industrial Co. Ltd., and Bosal International NV

Due COVID-19 pandemic automobile market witnessed a downfall due to stringent lockdown imposed by the government of major countries. The automobile manufacturing was stopped due to lockdown and government restrictions. Thus, it directly affected the demand of high beam assist used in the vehicle. Also, the fall in people's disposable income affected the sale of luxury vehicle which further affected high beam assist market. Furthermore, due to unavailability of raw material the manufacturing high beam assist was disrupted. Also, due to social distancing norms there was unavailability of labour required for production. In addition, pandemic had a

negative impact on the automobile market which further affected high beam assist market.

Original equipment manufacturers (OEMs) are constantly researching & developing for new and advanced technology to increase the safety & security while travelling via vehicle at night. Moreover, rise in disposable income of people have increased the demand for new technology in vehicles which increases the safety while driving. For instance, in 2019 technology company Nvidia has developed high beam assist for vehicles equipped with artificial intelligence which prevents the headlights from producing glare. In 2020, automotive components manufacturer Marelli and Lidar manufacturer Xenomatix are working together to develop advance Lidar sensors. Moreover, in 2019, OSRAM Continental, a joint venture of the technology companies OSRAM and Continental has launched a smart digital HD headlamp system, which is a digitally controlled lighting system where no mechanical components are involved to control the cornering lights. Thus, the demand for advanced technology is expected to drive growth of high beam assist market.

Top Impacting Factors
•Rise in manufacturing of vehicles, rise in demand for advanced technology, and rise in sale of luxury vehicle is expected to drive growth of the market.
•However, high price of LED lights, low compact of developed lighting system, and adaptive intelligent front lighting system can hamper growth of the market.
•Moreover, rise in demand for safety & security of vehicles, rise in people disposable income increase vehicle sales, and improved visibility while driving at night & fog can act as an opportunity for growth of the market.

Key Benefits of the Report:
•This study presents the analytical depiction of the high beam assist market along with the current trends and future estimations to determine the imminent investment pockets.
•The report presents information related to key drivers, restraints, and opportunities along with challenges of the high beam assist market.
•The current market is quantitatively analyzed from 2020 to 2030 to highlight the high beam assist market growth scenario.
•The report provides detailed high beam assist market analysis based on competitive intensity and how the competition will take shape in coming years.

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