

From \$3.65B to \$9.25B: Automotive Intelligent Lighting Market Gears Up for 9.8% CAGR by 2030

Increasing adoption of advanced driver assistance system and rising concern toward road safety fuel the growth of the global market.

WILMINGTON, NEW CASTLE, DE, UNITED STATES, July 2, 2025 /EINPresswire.com/ -- According to the report, the global [automotive intelligent lighting system industry](#) was estimated at \$3.65 billion in 2020, and is anticipated to hit \$9.25 billion by

2030, registering a CAGR of 9.8% from 2021 to 2030. Automotive intelligent lighting system refers to two types of automotive lighting products such as the adaptive headlight and intelligent ambient lighting. The intelligent lighting system adapts the vehicle lights to suit the light, road and weather conditions to increase perceptual safety and relieves driver stress. In addition, the adaptive headlamps are the intelligent headlamps that can automatically adjust to suit the driving situation. High beam assist helps to avoid dazzling oncoming drivers. Active curve lights pivot the headlamps into the bend, improving road illumination. Whereas, intelligent ambient lighting are intelligent interior lights mounted around the cabin to enhance the design and visibility within the car for both driver and passenger. In addition, the intelligent ambient lighting systems help in giving drivers a sense of orientation and free space in an upright cabin as well as these lights can automatically adjust the brightness of lights according the surrounding light.

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Drivers, restraints, and opportunities-

Growing adoption of advanced driver assistance system and rising concern toward road safety drive the growth of the global automotive intelligent lighting system market. On the other hand,



Automotive Intelligent Lighting System Industry

high cost & configuration complexities and unorganized aftermarket services restrain the growth to some extent. However, integration of advanced technologies in vehicles is expected to create lucrative opportunities in the industry.

Key Findings Of The Study

By technology, the LED segment generated the highest revenue in 2020.

By vehicle type, the passenger vehicle segment was the highest revenue contributor in 2020.

By product type, the intelligent ambient lighting segment was the highest revenue contributor in 2020.

By sales channel, OEM segment was the highest revenue contributor in 2020.

By region, Europe contributed the highest revenue, followed by North America, Asia-Pacific, and LAMEA in 2020.

The passenger vehicle segment to dominate by 2030-

Based on vehicle type, the [passenger vehicle segment held the major share](#) in 2020, accounting for nearly four-fifths of the global automotive intelligent lighting system market, owing to the relatively higher installation of automotive intelligent lighting system in passenger cars. At the same time, the commercial vehicle segment would register the fastest CAGR of 11.5% from 2021 to 2030, due to growing integration of automotive intelligent lighting system in commercial vehicles.

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The LED segment to maintain the dominant share-

Based on solution type, the LED segment contributed to more than two-fifths of the global automotive intelligent lighting system market revenue in 2020, and is projected to lead the trail throughout the forecast period. This is attributed to its longer life span and significantly less power consumption capability. The same segment is also projected to grow at the fastest CAGR of 10.5% from 2021 to 2030.

Europe, followed by North America, garnered the highest share in 2020-

Based on region, the market across Europe, followed by North America, contributed to the highest share in 2020, accounting for nearly two-fifths of the global automotive intelligent lighting system market, and is estimated to continue its dominant share in terms of revenue by 2030, owing to increasing sales of luxury cars, growing demand for technological advancements, and the presence of leading players in the region. Simultaneously, [Asia-Pacific is expected to showcase the fastest CAGR](#) of 12.9% during the forecast period, due to growing need for vehicles equipped with advanced features across the province, due to increase in sales of premium

passenger vehicles across the province.

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Key players in the industry-

DE Amertek Corporation
Hella GmbH & Co. KGaA
Johnson Electric Holdings Limited
Continental AG
J.W. Speaker Corporation
Marelli Holdings Co., Ltd.
Robert Bosch GmbH
Stanley Electric Co., Ltd.
Valeo
Hyundai Mobis Co., Ltd.

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