

UK Automotive LED Lighting - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2024 - 2030)

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Abstracts

The UK Automotive LED Lighting Market size is estimated at 299.13 million USD in 2024, and is expected to reach 408.58 million USD by 2030, growing at a CAGR of 5.33% during the forecast period (2024-2030).

Growth in the commercial vehicle is driven by the rising demand for logistics services in the country

According to market research, headlights had the highest value share in 2023, followed by other lights and daytime running lights. The market share for directional signal lights and stoplights is expected to remain the same during the forecast period. Daytime running lights have led to a decrease in daytime accidents and fatalities in the United Kingdom by up to 6%. However, the use of DRLs is expected to cause a 0.5% increase in CO2 emissions and fuel consumption, which is expected to be less when using LED lights instead of filament light sources.

In terms of volume share, directional signal lights accounted for the majority in 2023, followed by headlights and other lights. The market share for these lights is expected to remain stable with little to no fluctuation. The United Kingdom has seen an increase in logistical facilities over the last decade, with the Midlands and other areas with a high concentration of warehousing and logistics companies expanding in recent years. The need for more warehouse space has been driven by companies across various industries adapting to the COVID-19 outbreak and Brexit. As logistics have grown, so has the demand for commercial vehicles, which, in turn, has increased the use of LEDs

in the automotive industry.

The UK government is promoting the use of LED lighting, and adaptive lighting is becoming more popular. Adaptable LED headlights are now a standard feature on many new automobiles sold in the UK. Incentives offered by the government to manufacturers and consumers to promote electric vehicles would help increase the penetration of LEDs in the auto industry.

UK Automotive LED Lighting Market Trends

Technological advancements by major automotive manufacturers and government laws to drive the growth of the LED market

The total automobile vehicle production in the United Kingdom was 0.98 million units in 2022, and it is expected to reach 1.02 million units in 2023. The COVID-19 pandemic had a negative impact on the automotive industry in the United Kingdom. The production of cars in the United Kingdom dropped by 29.3% in 2020, reaching 920,928 units, the lowest number since 1984. All shipments to the United States, Japan, and Australia declined by -33.7%, -21.6%, and -21.8%, respectively. As a result of travel restrictions both inside and outside the country and the shutdown of UK manufacturing facilities, the demand for LED lighting in the automotive sector suffered.

Major automakers in the nation include Aston Martin, Bentley, Caterham Cars, Daimler, Jaguar, Lagonda, Land Rover, Lister Cars, Lotus, McLaren, Mini, MOKE, Morgan, and Rolls-Royce. Automakers are constantly working to improve their automobiles with the newest technology. For instance, Rolls-Royce introduced the Spectre, the brand's first entirely electric vehicle, in October 2022. The grille is softly illuminated with 22 LEDs lighting up the sandblasted back side of each of the vans. The market for LED lights is driven by such innovation.

New laws in the United Kingdom are encouraging the use of LED lighting. All new automobiles sold in the United Kingdom starting September 2023 must include an intelligent speed assistance (ISA) system. Another innovation in car lighting that is taking off in the country is digital lighting. Digital lighting uses a matrix of LED lights that can be individually adjusted to generate dynamic lighting effects. The trends in the United Kingdom are expected to drive the demand for LED lighting in the automotive industry during the forecast period.

The shift toward electric mobility through government initiatives may drive the growth of the LED market

The number of electric vehicles in the United Kingdom is rapidly expanding due to rising consumer demand and increased availability of electric versions. By the end of May 2023, there were over 780,000 completely electric cars and 500,000 plug-in hybrids on UK roads. In 2016, there were 30,669 battery-electric cars in the country, reaching 784,968 by May 2023. More than 265,000 battery-electric vehicles were registered in 2022, a 40% increase over 2021.

The British government strongly supports the people who choose EVs to increase the number of registered electric vehicles in the country. The UK government also announced a comprehensive electrification policy by 2030, and it is investing billions in the transport sector. Buyers can benefit from the Plug-In Grant, which offers a discount of up to EUR 2,500 (USD 2692.81) on new EVs. Scotland also offers interest-free loans on purchases of new and used EVs. EV owners are exempt from the Vehicle Excise Duty and can get a reduction in their Benefit-In-Kind tax rate.

In December 2022, Ford Motor Co. (F.N) announced the investment of an extra GBP 149 million (USD 180 million) to boost the output of EV power units by 70% at its engine factory in northern England as the US carmaker accelerates its push to go electric. The production capacity of the Halewood plant's electric drive unit may increase from 250,000 units to 420,000 units per year, and it is planned to start in 2024. Automobile manufacturers are racing to develop and produce automotive LEDs due to the rising demand for EVs. LED car lights can help EVs save energy and extend their driving range, as they consume less power than halogen bulbs. Such benefits may further boost the demand for automotive LEDs in the United Kingdom.

UK Automotive LED Lighting Industry Overview

The UK Automotive LED Lighting Market is moderately consolidated, with the top five companies occupying 41.11%. The major players in this market are GRUPO ANTOLIN IRAUSA, S.A., HELLA GmbH & Co. KGaA (FORVIA), KOITO MANUFACTURING CO., LTD., Marelli Holdings Co., Ltd. and OSRAM GmbH. (sorted alphabetically).

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