

Presse Press

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High-tech LEDs from Osram in the front headlights of the new Audi A8

Osram Opto Semiconductors uses innovative LED types to provide optimum illumination on the luxury limousine

Ingolstadt car manufacturer Audi uses the expertise of Osram Opto Semiconductors in the front lighting of its new flagship. The Oslon Compact PL for adaptive front lighting has been installed in the Audi A8 for the first time. The Oslon Black Flat S in its 3-chip version provides an extended beam range. In addition, the tried and tested Topled is used in the sedan's daytime running lights.

The innovative feature of the Audi A8's HD matrix headlights is that for the first time the Oslon Compact PL LEDs are arranged in two lines. As a result, other road users are masked out even more precisely by the light beam and are not dazzled. The Oslon Compact PL has an electrically insulated thermal contact. By using appropriate pcb technologies the thermal connection can be significantly improved, which leads to a higher luminous flux. At the same time, notchless chip technology allows the optical systems to be more efficient. After the market launch end of 2017, it is being used for the first time in the new Audi A8 as adaptive high beam and low beam.

The Oslon Black Flat S family, which also features notchless chip technology and is also celebrating its premiere, has now been installed in the Audi A8 for the first time in its 3-chip version. The individually controllable chips allow for the light beam to be adjusted to the respective situation, e.g. in city traffic or on the highway, increasing visual comfort.

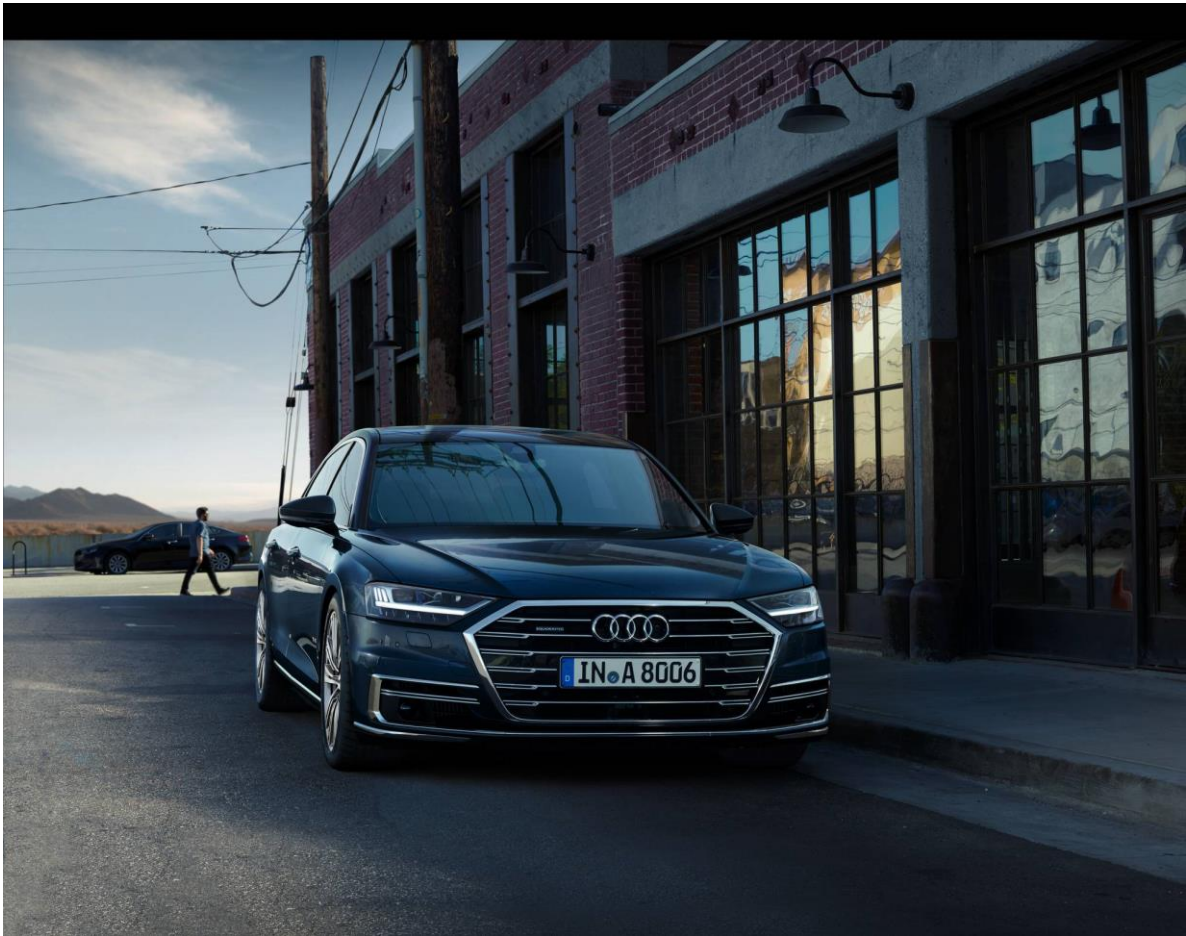
“We are proud that our products are installed in the front headlights of such a luxury limousine and that we can help to increase safety and comfort. Thanks to our new LEDs, the lights now adapt even more precisely to complex traffic situations. The surrounding area is illuminated in the best possible way without dazzling other road users. In the new Audi A8 the art of engineering and high-tech LEDs come together to create the greatest customer benefits,” says Peter Knittl, General Manager Automotive at Osram Opto Semiconductors.

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Picture: Audi



Ingolstadt car manufacturer Audi relies on the expertise of Osram Opto Semiconductors in the front lighting of its new flagship.

Picture: Audi

ABOUT OSRAM

OSRAM, based in Munich, is a leading global high-tech company with a history dating back more than 110 years. Primarily focused on semiconductor-based technologies, our products are used in highly diverse applications ranging from virtual reality to autonomous driving and from smartphones to smart and connected lighting solutions in buildings and cities. OSRAM uses the endless possibilities of light to improve the quality of life for individuals and communities. OSRAM's innovations enable people all over the world not only to see better, but also to communicate, travel, work and live better. OSRAM has approximately 26,400 employees worldwide as of end of fiscal 2017 (September 30) and generated revenue of more than €4.1 billion. The company is listed on the stock exchanges in Frankfurt and Munich (ISIN: DE000LED4000; WKN: LED 400; trading symbol: OSR). Additional information can be found at www.osram.com.