

## Press

Munich, June 07, 2018

### Osram supports BMW M Motorsport at the legendary Le Mans race

**BMW M Motorsport is counting on the support of Osram expertise when it takes to the starting grid of the legendary 24-hour sports car race on 16 and 17 June 2018. As an official BMW M Motorsport partner, Osram has been providing biologically effective lighting for racing drivers and their teams since last year's season. The special lighting is now planned to make the decisive difference on the Circuit de la Sarthe of the Le Mans race as well. The cars will also be racing into the night with innovative Osram technology in the headlights.**

The 24 hours of Le Mans in France pushes man and machine to the most extreme limits of endurance. Even the tiniest detail can be of vital importance – like using the right light. LED light glasses are used to help the drivers prepare for the races. The blue LED light prepares them for the battle ahead by stimulating the central nervous system. In addition to this, special luminaires are installed in the common rooms and the pit wall control center for the benefit of both the drivers and the engineers. They emit light with a high blue component, helping to heighten and maintain concentration levels even during the night session.

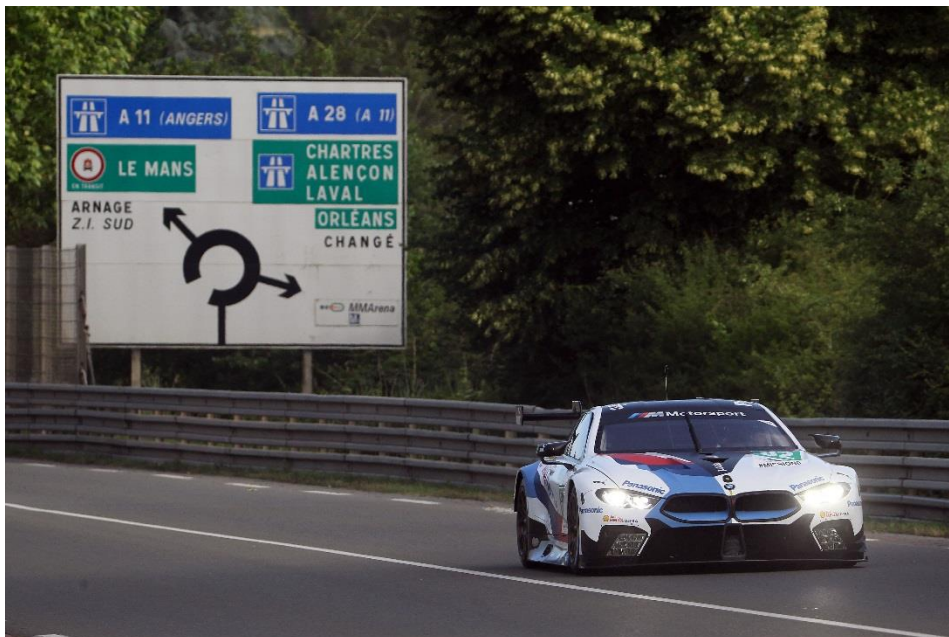
Osram celebrated the premiere of its biologically effective light in cooperation with BMW Motorsport in 2017 [during the 24-hour race at the Nürburgring](#). Its stimulating effect again brought the drivers and team safely through the night at this year's race from 12 to 13 May.

Osram will also be making the night to day on the Le Mans racetrack in the racing cars piloted by the BMW team MTEK: Each of the headlamps on the BMW M8 GTE, built by custom-design specialist GERG Lighthouse, use six Oslon Black Flat S LEDs from Osram in the three-chip version. The compact LEDs are particularly powerful. ["This is the brightest light I've ever seen in a racecar."](#) said Martin Tomczyk, a BMW racing driver.

Osram's Ostar headlamp Pro, which was specifically developed for applications requiring intense brightness, was selected for use in the BMW M8 GTE's auxiliary headlights. The LED's seamless, white color effect is also extremely compelling.

The Oslon Black Flat S LED with its robust SMT packages is a multi-talent and can be used for a wide variety of applications, from high beam to fog lights and directional headlamps. The strong contrast between each of the LED chips, together with their individual controllability, allow the light cast during driving to be adapted as required. In this case, the headlamp beam is divided into individual segments, so that different areas can be switched on or off independently of each other. For example, a glare-free high beam can be created by selectively excluding oncoming traffic from the high beam while the rest of the environment remains illuminated with full intensity.

To get an impression of powerful LED light in racing use, just click [here](#).



Powerful LED-light in racing use.

Source: BMW AG



The racing team will be supported with biologically effective lighting from Osram.  
Source: BMW AG



LED light provides best view during the night.  
Source: BMW AG

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## **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 networked, intelligent lighting solutions in buildings and cities. OSRAM utilizes the infinite possibilities of light to improve the quality of life for individuals and communities. OSRAM's innovations will enable people all over the world not only to see better, but also to communicate, travel, work, and live better. As of the end of fiscal year 2017 (September 30), OSRAM had approximately 26,400 employees worldwide. It generated revenue of more than €4.1 billion in fiscal year 2017. The company is listed on the stock exchanges in Frankfurt and Munich (ISIN: DE000LED4000; WKN: LED400; trading symbol: OSR). Additional information can be found at [www.osram.com](http://www.osram.com).