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## **Powerful LED flash for cell phones**

Oslux now with UX:3 chip technology

**The new Oslux from OSRAM Opto Semiconductors is brighter and smaller than ever before and provides extremely uniform light thanks to a chip fabricated in state-of-the-art UX:3 technology. Together with an optimized lens it not only ensures that the LED is 50 percent brighter than the predecessor model but also that the light is much more evenly distributed and can therefore illuminate a wide area.**

The new Oslux has an area of 3.9 mm<sup>2</sup> and a height of only 2.5 mm (previously 3 mm) but is 50 lx brighter. This takes its output to an impressive 150 lx. The light is uniformly distributed in the flash; the usual round spot in the center is completely absent. "Our Oslux is therefore perfect for the fast-growing design-based smartphone and cell phone segment", said Gunnar Klick, Marketing Manager Consumer at OSRAM Opto Semiconductors. "Even extremely thin phones can now be equipped with a powerful LED flash so they can deliver pictures of superb quality".

The LED is available in two versions with different lenses. These are already integrated in the LED and are matched to the beam characteristics of the top-emitting UX:3 chips. The subject of the picture is illuminated in a uniform rectangular pattern. The distribution of the light depends on the lens used: 40% or 20% of the center brightness is possible in the corners. At a distance of one meter the LED flash uniformly illuminates a diagonal of 90 cm, which is sufficient to produce razor-sharp pictures even in low light conditions.

The impressive brightness is the result of new UX:3 chip technology that makes the LED capable of handling high currents and gets even more light from the chip. What's more, the light is more evenly distributed over the surface compared to previous chip technologies. The new Oslux is therefore considerably more efficient at high currents than previous LEDs and offers impressive luminous efficacy in a small area.

With the new Oslux OSRAM's LED portfolio for flash applications is even better tailored to the latest trends in which mobile slimline terminals require small powerful light sources. For users who want to supply their own lens packages there is the Ceramos which has no lens.



Picture: OSRAM

<http://www.osram-os.com/press>

The new Oslux provides brighter and more uniform light across the entire illuminated surface. With its compact dimensions it is perfect for modern low-profile cell phone and smartphone designs.

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