

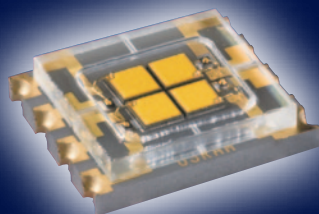
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OSRAM OSTAR[®] SMT

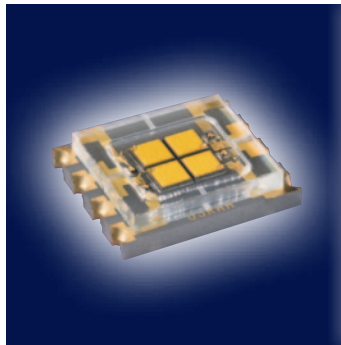
LED power in a tiny package

Designed for lighting and ultra-miniature pico projection applications, the OSRAM OSTAR[®] SMT LED from OSRAM Opto Semiconductors unites outstanding power efficiency and RGB color mixing capabilities in a compact surface mountable package.



OSRAM
Opto Semiconductors

OSRAM OSTAR® SMT



OSRAM OSTAR® SMT.



Architectural lighting.



Projection.

OSRAM OSTAR® SMT		
Type	Color	Wavelength
LE A S2W	red	617 nm
LE T S2W	green	529 nm
LE B S2W	blue	464 nm
LE UW S2W	ultra white	5000 K - 8000 K*
LE ATB S2W	red, green, blue	617 nm, 529 nm, 464 nm

*Color temperature

Advantages

Thanks to its exceptionally compact form factor, the new OSRAM OSTAR® SMT LED is the perfect choice in applications where space is at a premium. Available in a variety of colors, including white, it's the ideal LED for atmospheric lighting solutions and pico projectors, and as a surface mounted device it combines easily with secondary optics. It's also designed for optimum efficiency and low power consumption, so it helps to save energy.

Features

- The outstanding new OSRAM OSTAR® SMT LED has been developed and engineered for applications that call for the highest possible power density.
- Extremely high luminance and luminous flux thanks to Thinfilm and ThinGaN chip architecture
 - Glass window protection with anti-reflection coating (ARC) on the output window
 - Pure surface emission
 - Multi-chip technology
 - Chip distance of < 100 µm
 - Monochrome, white and RGB versions
 - Potential-free, independent cooling pad
 - Reflow-solderable
 - Internal ESD protection up to 2 kV

Applications

- Architectural lighting (effect and accent lighting)
- General lighting
- Mood lighting
- Projection: embedded or companion projectors for mobile devices (e.g., cell phones, laptops, digital cameras and portable media players)
- High-power flashlights
- Light source for secondary optics

New possibilities

The OSRAM OSTAR® SMT LED is not only ideal for use in pico projectors, it is also providing fresh inspiration for applications in the general lighting sector.

OSRAM OSTAR® SMT on the Internet:

www.osram-os.com/ostar-smt

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