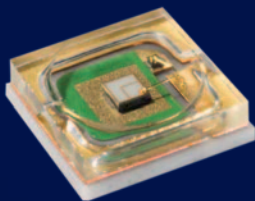


# OSRAM OSTAR® Projection

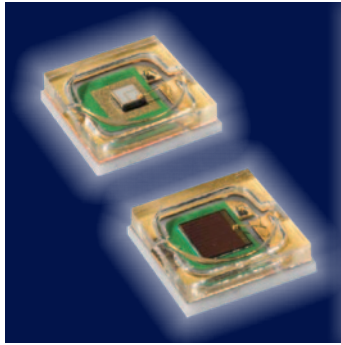
## Flexibility at its best

When it comes to innovative projection light sources, the OSRAM OSTAR® projection LEDs are the gold standard. They are exceptionally bright, long-lasting and they have no moving parts. Beyond that they are highly robust and ideal for a wide range of equipment – from pico projectors to home cinema projectors and even office applications.

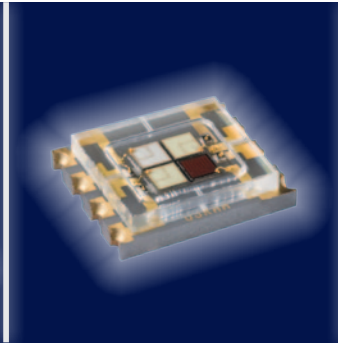


**OSRAM**  
Opto Semiconductors

## OSRAM OSTAR® Projection



OSRAM OSTAR® Compact



OSRAM OSTAR® SMT



Pocket Imager

OSRAM OSTAR® Compact				OSRAM OSTAR® SMT		
Type	Chip size	max Ip	Wavelength	Type	Color	Wavelength
LE x* Q9WM	0,560 µm²	1,5A	617 nm	LE A S2W	red	617 nm
LE x* Q9WN	1,0 µm²	2,0A	525 nm	LE T S2W	green	529 nm
LE x* Q9WP	2,0 µm²	6,0A	465 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

\* x = A, T, B (A = amber, T = true green, B = blue)

\*\* Color temperature

### Advantages

OSRAM OSTAR® LEDs for projection and lighting applications have multiple benefits for design flexibility.

- High luminance due to pure surface emission
- High brightness in the white point thanks to latest multi-chip technology
- Compact size of OSRAM OSTAR® SMT with only 5.8 x 4.7 x 1.5 mm
- Compact size of OSRAM OSTAR® Compact with only 3.5 x 3,75 x 1.2 mm
- Very low thermal resistance (Rth)
- Fast switching times
- Dimmable
- Instant on/off function available
- Adjustable color temperature
- Large color range (>105 % NTSC)
- Small form factor

### Features

The fantastic OSRAM OSTAR® LEDs for projection applications are a compact high-performance light source, which meet even the most sophisticated requirements.

- Thinfilm and ThinGaN® chip architecture
- Long lifetime
- Special optics can be adapted
- Mercury-free, meets the latest environmental regulations

### Applications

The small and robust OSRAM OSTAR® light sources have no moving parts and deliver a wide color range. They enable manufacturers to produce:

- Pico projectors (as mobile phone accessories or embedded devices)

- Pocket projectors
- Projection TVs
- Front projectors for home cinemas
- General lighting applications
- Color changing wallwashers
- RGB floodlights
- Effect lighting

### New possibilities

These new innovative products open the door for new application possibilities. Contact your OSRAM Opto Semiconductors application specialist to assist with your specific design.

### OSRAM OSTAR® Projection on the Internet:

[www.osram-os.com/ostar-projection](http://www.osram-os.com/ostar-projection)

For further information on the available products please visit our product catalog at <http://catalog.osram-os.com>

### Asia

OSRAM Opto Semiconductors Asia Ltd.  
30/F China Resources Building  
26 Harbour Road, Wan Chai  
Hong Kong SAR  
Phone: +852 3652 5522  
Fax: +852 2802 0880  
E-mail: [prasia@osram-os.com](mailto:prasia@osram-os.com)

### Europe

OSRAM Opto Semiconductors GmbH  
Leibnizstrasse 4  
D-93055 Regensburg, Germany  
Phone: +49 941 850 1700  
Fax: +49 941 850 3302  
E-mail: [support@osram-os.com](mailto:support@osram-os.com)

### USA

OSRAM Opto Semiconductors Inc.  
1150 Kifer Road, Suite 100  
Sunnyvale, CA 94086, USA  
Main Phone number: (408) 962-3700  
Main Fax: (408) 738-9120  
Inbound Toll Free: (866) 993-5211  
E-mail: [info@osram-os.com](mailto:info@osram-os.com)