



VISIBLE

Advanced Power TOPLED

Color and power in a small package

OSRAM Opto Semiconductors' Advanced Power TOPLED is a standout performer, delivering outstanding performance and exceptional power. It achieves its high lighting output thanks, in part, to its low thermal resistance. The Advanced Power TOPLED is situated between the Power TOPLED and the Golden DRAGON, complementing the high-power product line.



Opto Semiconductors

OSRAM

Advanced Power TOPLED



Advanced Power TOPLED.



Front turn indicator.



Outdoor architectural lighting.

Advanced Power TOPLED			Advanced Power TOPLED		
Type	Color	Wavelength	Type	Color	Wavelength
LR G6SP	red	625 nm	LB G6SP	blue	470 nm
LA G6SP	amber	617 nm	LW G6SP	white	x/y 0.32/0.33*
LY G6SP	yellow	590 nm	LW G6CP	white	x/y 0.34/0.34*
LT G6SP	true green	528 nm	LCW G6SP	warm white	x/y 0.42/0.40*

* Color coordinates acc. to CIE 1931

Advantages

Strength is not measured by size. The features of Advanced Power TOPLED enable innovative designs.

Small but powerful

The Advanced Power TOPLED is a very efficient package. This line of products offers high performance, due to very low thermal resistance and excellent heat dissipation.

Small and flexible

The Advanced Power TOPLED is available in a wide variety of colors and easy to assemble on PCB with standard SMT reflow, providing enhanced design flexibility.

Small and durable

The Advanced Power TOPLED has an outstanding lifetime of up to 50,000 hours, due to its silicone encapsulation.

Small and compact

The Advanced Power TOPLED features a compact package with a wide brightness range and high luminous efficiency.

Features

So small and yet so powerful: Advanced Power TOPLED.

- Complementing the product portfolio in the high power segment
- Thinfilm/ThinGaN chip technology
- Maximum brightness for the standard TOPLED size
- Available in red (625 nm), amber (617 nm), yellow, true green, blue, white and warm white
- Meeting the high quality requirements of the automotive industry
- Lead (Pb) free – RoHS compliant

Applications

The Advanced Power TOPLED has become the standard in a variety of applications:

Automotive

- Exterior: Daytime running light, turn signals, position light, rear combination light, license plate illumination
- Interior: Map and dome lighting

Consumer

- Portable lighting
- Backlighting for displays

Solid State Lighting

- Indoor, outdoor, architectural lighting
- Decorative and entertainment lighting
- Illuminated advertising
- Marker lights

Advanced Power TOPLED on Internet:

www.osram-os.com/advancedpower/

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

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

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