



VISIBLE

# Advanced Power TOPLED®

## Color and power in a small package

OSRAM Opto Semiconductors' new 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® Thinfilm/ThinGaN®							
Type	Color	Wavelength	Typ. Output/Current	Type	Color	Wavelength	Typ. Output/Current
LR G6SP	Red	625 nm	15 lm @ 140 mA	LB G6SP	Blue	470 nm	6 lm @ 140 mA
LA G6SP	Amber	617 nm	19 lm @ 140 mA	LW G6SP	White	x/y 0.32/0.33*	21 lm @ 140 mA
LY G6SP	Yellow	590 nm	15 lm @ 140 mA	LCW G6SP	Warm White	x/y 0.42/0.40*	16 lm @ 140 mA
LT G6SP	True Green	528 nm	21 lm @ 140 mA				

\* 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®.

- The Advanced Power TOPLED® complements the product portfolio in the high power segment.
- The product line also offers maximum brightness for the standard TOPLED® size.
- The Advanced Power TOPLED® is available in red (625 nm), amber (617 nm), yellow, true green, blue, white and warm white.
- The product line meets the high quality requirements of the automotive industry.
- Lead (Pb) free – RoHS compliant

### Applications

The Advanced Power TOPLED® is becoming the standard in a variety of applications:

#### Automotive

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

#### Consumer

- Portable lighting
- Backlighting for displays

#### General lighting

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

#### Advanced Power TOPLED® on Internet:

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

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