



VISIBLE

Golden DRAGON®

Exceptional lifetime performance

OSRAM Opto Semiconductors' Golden DRAGON® products are leading performers in the LED universe. And now the star shines even brighter: The new Golden DRAGON® uses the latest Thinfilm/ThinGaN® technologies. Besides delivering the maximum possible light from the smallest of sources, this high-performance LED has an exceptionally long lifetime, giving designers and developers the means to take illumination into completely new dimensions.



Opto Semiconductors

OSRAM

Golden DRAGON®



Golden DRAGON®.



Daytime running light.



Room lighting.

Golden DRAGON® Thinfilm/ThinGaN®				Golden DRAGON®			
Type	Color	Wavelength	Typ. Output/Current	Type	Color	Wavelength	Typ. Output/Current
LR W5SM	Red	625 nm	43 lm @ 400 mA	LA W57B	Amber	617 nm	18 lm @ 400 mA
LA W5SM	Amber	617 nm	53 lm @ 400 mA	LY W57B	Yellow	587 nm	18 lm @ 400 mA
LY W5SM	Yellow	590 nm	44 lm @ 400 mA	LT W5SG	True Green	528 nm	33 lm @ 350 mA
LT W5SM	True Green	528 nm	45 lm @ 350 mA	LV W5SG	Verde	505 nm	27 lm @ 350 mA
LB W5SM	Blue	470 nm	14 lm @ 350 mA	LB W5SG	Blue	470 nm	8 lm @ 350 mA
ZW W5SG	White	x/y 0.32/0.31*	45 lm @ 350 mA	LW W5SG	White	x/y 0.32/0.31*	30 lm @ 350 mA
LW W5SM	White	x/y 0.32/0.31*	45 lm @ 350 mA	LCW W5SG	Warm White	x/y 0.42/0.40*	23 lm @ 350 mA
LCW W5SM	Warm White	x/y 0.42/0.40*	32 lm @ 350 mA				

* Color coordinates acc. to CIE 1931

Advantages

A new dimension of brightness

Dazzling bright white light with typical 45 lm @ 350 mA is emitted from a tiny surface.

High reliability

The Golden DRAGON® is characterized by a long lifetime of up to 50,000 hours, due to excellent thermal design and silicone encapsulation.

Flexible applications

The availability of the complete color portfolio and integrated and external optics as well as the extraordinary brightness open up new possibilities for almost any lighting application.

Features

- High performance LED emitting maximum light from the smallest possible source
- Power LED: Only 1.8 mm height
- Low thermal resistance
- Meets the quality requirements of the automotive industry
- Complete color portfolio available: Red (625 nm), amber (617 nm), yellow, true green, verde, blue, white, warm white
- Can be processed using standard soldering techniques
- Lead (Pb) free – RoHS compliant

Applications

Illumination & signs

- Architectural lighting and room lighting

- Design and effect illumination
- Illuminated advertising
- Emergency lighting
- Signs, channel letters
- Traffic lights
- Replacement of conventional light bulbs

Automotive

- Exterior: Daytime running light, fog light, front turn indicator
- Interior: Dome light

Communication

- Strobe light for mobile phones and digital cameras

Golden DRAGON® on Internet:

www.osram-os.com/goldendragon/

Asia

OSRAM Opto Semiconductors Sdn. Bhd (Malaysia), Shanghai Representative Office: Room 2301-2302, Harbour Ring Plaza, No. 18 Xizang (M.) Road, Shanghai 200001
Phone: +86 21 5385 2699
Fax: +86 21 5385 2868
E-mail: prasia@osram-os.com

Europe

OSRAM Opto Semiconductors GmbH
Wernerwerkstraße 2
D-93049 Regensburg, Germany
Phone: +49 941 850 1700
Fax: +49 941 850 3302
E-mail: support@osram-os.com

USA

OSRAM Opto Semiconductors Inc.
3870 North First Street
San José, California 95134 USA
Phone: +1 888 446-7726
Fax: +1 408 456-4308
E-mail: info@osram-os.com