



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							
Type	Color	Wavelength	Typ. Output/Current	Type	Color	Wavelength	Typ. Output/Current
LR W5SM	red	625 nm	45 lm @ 400 mA	LD W5SM	deep blue	455 nm	383 mW @ 350 mA
LA W5SM	amber	617 nm	53 lm @ 400 mA	LW W5SM	white	x/y 0.32/0.31*	75 lm @ 350 mA
LY W5SM	yellow	590 nm	43 lm @ 400 mA	LUW W5SM	ultra white	x/y 0.31/0.32*	85 lm @ 350 mA
LT W5SM	true green	530 nm	75 lm @ 350 mA	LCW W5SM	warm white	x/y 0.42/0.40*	53 lm @ 350 mA
LB W5SM	blue	470 nm	23 lm @ 350 mA				

For most current values please check on Internet

* Color coordinates acc. to CIE 1931

Advantages

A new dimension of brightness

Dazzling bright white light with typical 80 lm @ 350 mA is emitted from a tiny surface. Due to its embedded lens the Golden DRAGON Plus offers even higher brightness and efficacy levels.

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 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, blue, deep blue, white, warm white and ultra white
- Can be processed using standard soldering techniques
- Lead (Pb) free – RoHS compliant

Applications

Illumination & signs

- Architectural 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 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