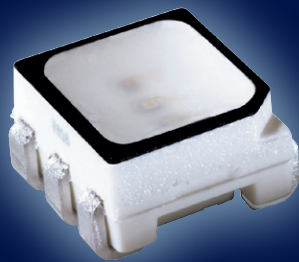




MULTILED®

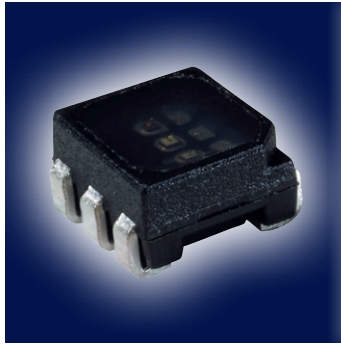
Mix your color

OSRAM Opto Semiconductors' MULTILED® has an unprecedented capability: Choose the black package for more contrast or the white package for greater brightness. The 6-lead technology also lets you drive each chip in the package individually to mix any color you want - even white. And because it's silicone encapsulated, the MULTILED® has an excellent lifetime of more than 50,000 hours.



OSRAM
Opto Semiconductors

MULTILED®



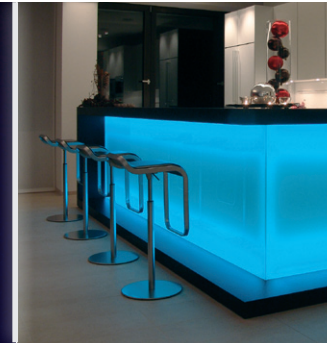
MULTILED®.



Video wall.



Light art.



Light tiles.

LRTB GFTG				LRTB GFUG			
Package	Color	Wavelength	Typ. Output/Current	Package	Color	Wavelength	Typ. Output/Current
	red	625 nm	800 mcd @ 20 mA		red	625 nm	120 mcd @ 20 mA
Black Surface	true green	528 nm	1300 mcd @ 20 mA	Black Body	true green	528 nm	500 mcd @ 20 mA
	blue	470 nm	300 mcd @ 20 mA		blue	470 nm	70 mcd @ 20 mA
LRTB G6SF				LRTB R98G			
Package	Color/Current	Wavelength	Typ. Output at White Point	Package	Color	Wavelength	Typ. Output/Current
White Body	red @ 13 mA	625 nm	1500 mcd	Black Body	red	625 nm	240 mcd @ 20 mA
	true green @ 20 mA	534 nm		Black Body	true green	528 nm	400 mcd @ 20 mA
	blue @ 8 mA	465 nm		Black Body	blue	470 nm	100 mcd @ 20 mA

Advantages

The benefits of the MULTILED® will enhance your designs.

Amazing technology

The LED chips can be controlled separately to display all colors including white. The 6-lead technology delivers improved thermal management and increased reliability.

Amazing performance

The MULTILED® is designed for full color video walls and ambient lighting. Especially in the area of video screens, the use of a black surface and diffused resin increases contrast, which is even enhanced by the jet black package. Whereas the white package offers exceptional brightness. The LRTB G6SF is easy to use for gaming and lighting applications because of pre-grouped white points at fixed currents.

Amazing color reliability

The MULTILED® captivates with a mix of power and flexibility.

Features

- Option to display all colors including white by a mixture of RGB-color and the separate control of each chip
- Long lifetime > 50,000 hours depending on operating conditions
- High optical efficiency: 45 lm/W (red), 50 lm/W (true green), 11 lm/W (blue)
- Compact package and improved thermal management due to the 6-lead concept
- Possibility of serial or parallel connection on PCB. Thanks to direct access to anode/cathode the power consumption of the illumination system can be reduced.
- Latest Thinfilm and ThinGaN technology
- Color fidelity across the entire viewing angle

Applications

The MULTILED® has a variety of application possibilities.

Signs

- Full color video walls for entertainment, shows, sporting events
- Creative imaging
- Information panels for public transport

Gaming machines

General lighting

- Decorative and entertainment lighting
- Design and effect illumination

Consumer & Communication

- Backlighting of LCDs

Automotive interior

- Backlighting of displays and dashboards

MULTILED® on Internet:

www.osram-os.com/multiled/

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