



VISIBLE

Micro SIDELED®

Space-saving, highly reliable LED

Designed to deliver exceptional quality and first-rate reliability, the new Micro SIDELED® family from OSRAM Opto Semiconductors offers you a choice of sidelookers for applications where space is at a premium. Available in three different heights, 0.6 mm, 0.8 mm and 1.0 mm, these LEDs combine high brightness with low power consumption and include silicone-encapsulated models for an extended product life.



Opto Semiconductors

OSRAM

Micro SIDELED®



Micro SIDELED® 0.6 mm.

Micro SIDELED® 0.8 mm.

Micro SIDELED® 1.0 mm.

Micro SIDELED® 0.6 mm				Micro SIDELED® 1.0 mm			
Type	Color	Wavelength	Typ. Output/Current	Type	Color	Wavelength	Typ. Output/Current
LW Y3SG	White	x/y 0.30/0.28*	1,600 mcd @ 20 mA	LG Y876	Green	570 nm	11 mcd @ 10 mA
Micro SIDELED® 0.8 mm				LT Y87S	True Green	528 nm	56 mcd @ 10 mA
LW Y1SG	White	x/y 0.30/0.28*	1,400 mcd @ 20 mA	LB Y87C	Blue	470 nm	90 mcd @ 20 mA
Micro SIDELED® 1.0 mm				LB Y87S	Blue	470 nm	23 mcd @ 10 mA
LS Y876	Super Red	633 nm	112 mcd @ 20 mA	LW Y87C	White	x/y 0.32/0.31*	320 mcd @ 20 mA
LO Y876	Orange	606 nm	180 mcd @ 20 mA	LW Y8SG	White	x/y 0.30/0.28*	650 mcd @ 20 mA
LY Y876	Yellow	587 nm	180 mcd @ 20 mA				

* Color coordinates acc. to CIE 1931

Advantages

This first-class micro package will enhance your designs.

First-class operation

The new Micro SIDELED® family is designed for space-sensitive applications and is optimized for coupling into light guides.

First-class protection

The Micro SIDELED® provides high ESD-withstand voltage and, where needed, an additional ESD protection diode in the casing. This eliminates the need for additional expensive protective measures.

First-class performance

The micro package features high brightness, typ. 1,400 mcd @ 20 mA

for Micro SIDELED® 0.8 mm – while saving power with ultra low forward voltage (U_f) and high efficiency.

First-class quality

The white Micro SIDELED® is available in all heights with silicone encapsulation, which increases the product lifetime dramatically.

Features

The new Micro SIDELED® family is the best proof of first-class quality and reliability. But there are even more important details:

- Available in three heights: 0.6 mm, 0.8 mm and 1.0 mm
- Tight color tolerance range in high uniform color impression
- Micro SIDELED® 1.0 mm available in all colors
- Lead (Pb) free – RoHS compliant

Applications

The new Micro SIDELED® family shows off its first-class performance:

Consumer & communication

- Backlighting of cellular phone displays and keypads
- Backlighting LCDs for PDAs, digital cameras and laptops
- Optimized coupling into light guides

Industry

- Signal and symbol luminaries

Automotive

- Backlighting i. e. of navigation systems, switches, car entertainment

Micro SIDELED® on Internet:

www.osram-os.com/microsideled/

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
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.
2650 San Tomas Expressway, Suite 200
Santa Clara, CA 95051, USA
Phone: +1 888 446-7726
Main number: +1 408 588-3800
Fax: +1 408 844-9350
E-mail: info@osram-os.com