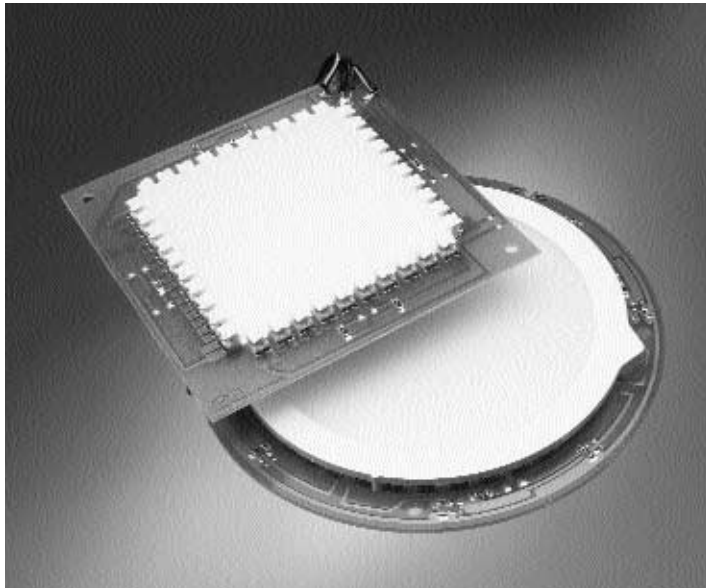


MARKERlight

LED Square and Circular Modules



- Long life: Up to 100,000 hours
- OSRAM Hyper SIDELED® allows high luminous flux
- Homogeneously illuminated surface
- Entire module consists of 40 LEDs
- Flat design — suitable for installation where space is limited
- Minimal heat generation
- Colored lighting available — including white

OSRAM's NEW MARKERlight LED modules offer a wide range of new applications.

Light Emitting Diodes (LEDs) offer substantially better energy consumption than traditional incandescent lamps. These modules can be used wherever temperature or space limitations prevent the use of conventional means of illumination.

Marker lights combined with OPTOTRONIC control gear are ideal for marking walkways, steps and seating, and can be used in a wide range in orientation and information lighting applications.

Product Availability

Product	Color
Marker Light (ML/55SQ & ML/80D)	Amber/Red Yellow True Green Blue White

Ordering and Specification Information

Item Number	Ordering Abbreviation	Watts	Volts	Current (Amps)	Color	Number LEDs	Typical Wave Length	Luminous Intensity (mcd)
70039	ML/80D/615/OSML03A/A	1.92	24 _{dc}	0.8	Amber/Red	40	615	560-610
70040	ML/80D/470/OSML03A/B	3.84	24 _{dc}	1.6	Blue	40	470	160-200
70041	ML/80D/587/OSML03A/Y	1.92	24 _{dc}	0.8	Yellow	40	587	510-560
70042	ML/80D/525/OSML03A/T	3.84	24 _{dc}	1.6	True Green	40	525	570-620
70043	ML/80D/OSML03A/W	3.84	24 _{dc}	1.6	White	40	X = 0,32; y=0,31	480-530
70034	ML/55SQ/615/OSML02A/A	1.92	24 _{dc}	0.8	Amber/Red	40	615	1010-1070
70035	ML/55SQ/470/OSML02A/B	3.84	24 _{dc}	1.6	Blue	40	470	250-300
70036	ML/55SQ/587/OSML02A/Y	1.92	24 _{dc}	0.8	Yellow	40	587	970-1020
70037	ML/55SQ/525/OSML02A/T	3.84	24 _{dc}	1.6	True Green	40	525	1060-1120
70038	ML/55SQ/OSML02A/W	3.84	24 _{dc}	1.6	White	40	X = 0,32; y=0,31	910-960

Application Information

Applications

- Road or path marking
- Step marking (wall, steps)
- Seat marking (theater)
- Numbers and/or letters
- Ambience lighting inside furniture (cupboards, shelves)
- Design light effects (furniture)
- General lighting

Application Notes

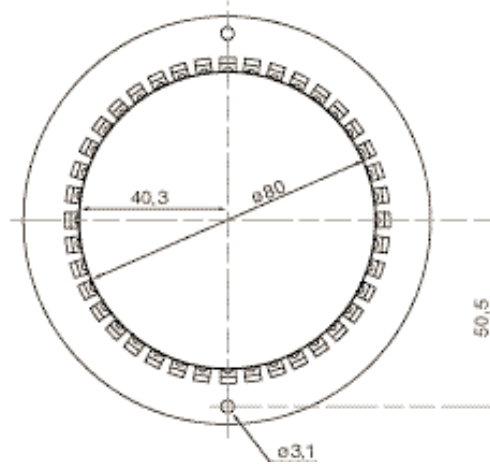
1. Small dimensions
2. Shock resistance
3. High color efficiency
4. No IR/UV radiation
5. Power supplies for operation (contact us for availability)
6. Dual color systems (contact us for availability)



Maximum Ratings

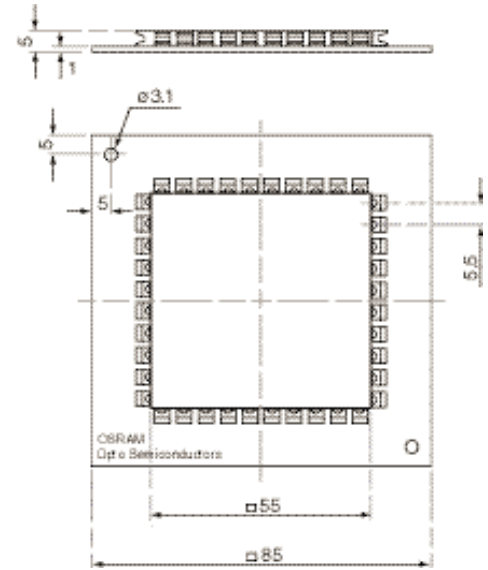
Parameter	Symbol	Values	Units
Operating Temperature	T_{op}	-30... +65	C
Storage Temperature Range	T_{stg}	-30... +65	C
Maximum Voltage	V_{max}	25	V_{dc}
Reverse Voltage	V_R	25	V_{dc}

Dimensions



Circular Marker Light

	Diameter mm (in)	Width mm (in)
Entire PCB	110 (4.33)	5 (0.20)
LED Grid	80 (3.15)	1 (0.04)



Square Marker Light

	Length mm (in)	Width mm (in)
Entire PCB	85 (3.35)	5 (0.20)
LED Grid	55 (2.17)	1 (0.04)

Dimensions on diagrams in mm.

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Ordering Guide

ML	/	Blue	/	470	/	OS	/	ML03A	/	B
Marker Light		Color:		Wavelength		Opto		ID No.		Color Code
		Blue		470nm		Semiconductor				B = Blue

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Specifications subject to change without notice.