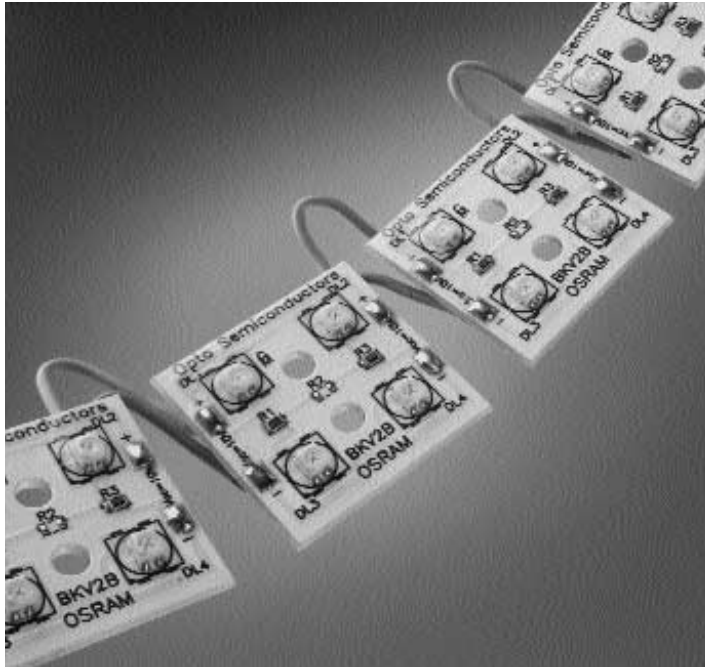


BACKlight

LED Modules



- Long life: Up to 100,000 hours
- OSRAM Power TOPLEDS® allow high luminous flux
- ± 60° viewing angle per LED
- Small height (<5mm) allows installation where space is limited
- 8 modules are connected with cables
- Minimal heat generation
- Cable joint allows flexible mounting
- Mounting hole allows easy installation by screw or spring-loaded latch or standard commercial spacers
- Series or parallel connection possible
- Ruggedized for exterior applications by transparent sealer

OSRAM's NEW BACKlight LED modules are an innovative alternative to conventional lamps.

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.

Backlighting lamp modules are used for contour-precise backlighting of advertising space and for general illumination. They are available in amber, red, yellow, true green and blue for operating voltage of 10 Volts.

Product Availability

Product	Color*
BACKLITE/615/OSLM03A/A	Amber/Red
BACKLITE/587/OSLM03A/Y	Yellow
BACKLITE/525/OSLM03A/T	True Green
BACKLITE/470/OSLM03A/B	Blue

* White and orange versions will also be commercially available mid-2001

Ordering and Specification Information

Item Number	Ordering Abbreviation	Watts	Volts	Current (Amps)	Viewing Angle	Color	Number LEDs	Typical Wave Length	Luminous Intensity (mcd)
70011	BACKLITE/615/OSLM03A/A	4	10 _{dc}	0.4	120	Amber/Red	32	615	500
70012	BACKLITE/587/OSLM03A/Y	3.2	10 _{dc}	0.32	120	Yellow	32	587	500
70013	BACKLITE/525/OSLM03A/T	4	10 _{dc}	0.4	120	True Green	32	525	330
70014	BACKLITE/470/OSLM03A/B	4	10 _{dc}	0.4	120	Blue	32	470	80

Application Information

Applications

Backlighting advertising panels
General lighting

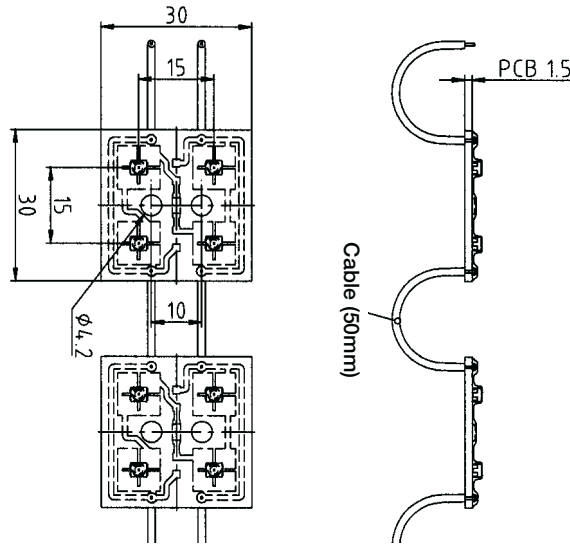
Application Notes

1. Small dimensions
2. Shock resistance
3. High color efficiency
4. Directional radiation characteristics
5. No IR/UV radiation
6. Uniform light distribution can reduce depth of channels needed
7. Power supplies for operation (contact us for availability)
8. White BACKlights (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}	11	V_{dc}
Reverse Voltage	V_R	11	V_{dc}

Dimensions



	Length mm (in)	Width mm (in)
Smallest Unit	30 (1.18)	30 (1.18)
LED Grid	15 (0.59)	
Cable	50 (1.97)	

Dimensions on diagrams in mm.

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Visit our website: www.sylvania.com

Ordering Guide

BACKLITE	/	470	/	OS	/	LM03A	/	B
Backlight Module		Wavelength 470 nm		Opto Semiconductor		ID No.		Color Code B = Blue

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Specifications subject to change without notice.