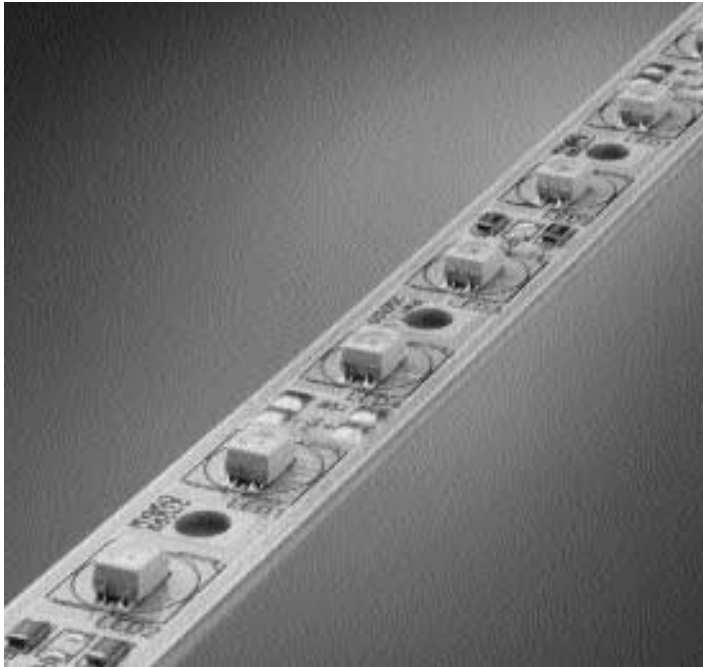


# LINEARlight

## LED Modules



- Long life: Up to 100,000 hours
- OSRAM Power TOPLED® allows high luminous flux
- ±60° viewing angle per LED
- Entire module consists of 32 LEDs
- Small height (<5mm) allows installation where space is limited
- Smallest unit of 4 LEDs can be cut out at regular intervals without damaging the rest of the module
- Small heat generation
- Available with rigid printed circuit board

OSRAM's NEW LINEARlight LED modules open new creative design options.

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.

Linear modules in particular are being used to inject light into plastics and to mark pathways and outlines. They are designed for an operating voltage of 10 Volts and are available in amber (red), yellow, true green, blue and white.

### Product Availability

Product	Color
LINEAR/615/OS/LM01A/A	Amber Red
LINEAR/587/OS/LM01A/Y	Yellow
LINEAR/525/OS/LM01A/T	True Green
LINEAR/470/OS/LM01A/B	Blue
LINEAR/OS/LM01A/W	White

### Ordering and Specification Information

Item Number	Ordering Abbreviation	Watts	Volts	Current (Amps)	Viewing Angle	Color	Number LEDs	Typical Wave Length	Luminous Intensity (mcd)
70007	LINEAR/615/OS/LM01A/A	4	10 <sub>dc</sub>	0.4	120	Amber/Red	32	615	500
70006	LINEAR/587/OS/LM01A/Y	3.2	10 <sub>dc</sub>	0.32	120	Yellow	32	587	500
70008	LINEAR/525/OS/LM01A/T	4	10 <sub>dc</sub>	0.4	120	True Green	32	525	330
70009	LINEAR/470/OS/LM01A/B	4	10 <sub>dc</sub>	0.4	120	Blue	32	470	80
70010	LINEAR/OS/LM01A/W	3.2	10 <sub>dc</sub>	0.32	120	White	32	X = 0,32; y=0,31	280

### Application Information

#### Applications

Escape route marker  
 Border marker  
 Walkways  
 Outlines

#### Application Notes

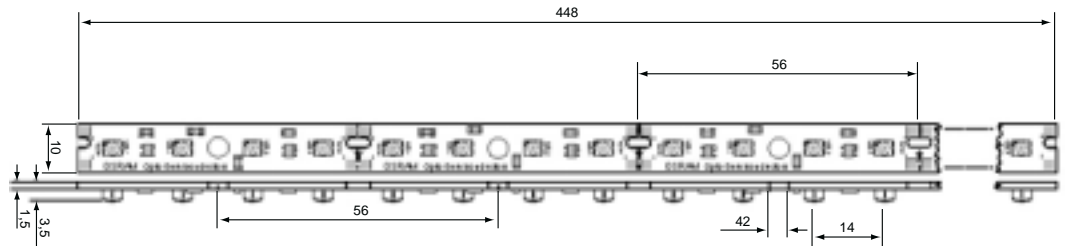
1. Small dimensions
2. Shock resistance
3. High color efficiency
4. Directional radiation characteristics
5. No IR/UV radiation
6. Edge-lit signs
7. Power supplies for operation (contact us for availability)



## 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)
Entire PCB	448 (17.6)	10 (0.39)
Smallest Unit	56 (2.2)	10 (0.39)
LED Grid	14 (0.55)	

Dimensions on diagrams in mm.

## Ordering Guide

Linear	/	470	/	OS	/	LM01A	/	B
Linear Module		Wavelength 470nm		Opto Semiconductor		ID No.		Color Code B = Blue

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Specifications subject to change without notice.