

# LINEARlight FLEX TOPLED

Flexible LED Strip



- Long life: Up to 100,000 hours
- OSRAM Power TOPLED® allows high luminous flux
- ±60° viewing angle per LED
- Entire strip consists of 600 LEDs
- Conveniently field cut with regular scissors (smallest unit – 60 pcs/module)
- Linear LED strip on flexible printed circuit board with self-adhesive back – easy installation!
- Flexible three-dimensional assembly possible
- Available in various colors: red (amber), true green, blue, yellow and white
- Optimal operation with OPTOTRONIC OT 20/230-240/24V or OT 06/100-240/24V

## OSRAM's NEW LINEARlight FLEX provides new dimensions for innovative lighting.

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

LINEARlight FLEX modules are ideal for edgelighting transparent and diffuse materials. They provide an optimal solution for precise backlighting of complex contours. They are also being used for lifesaving/rescue sign lights and commercial signs and for marking paths and contours like escape routes, borders and stairs. They are mounted on self-adhesive tape and can be conveniently field-cut.

## Ordering and Specification Information

Item Number	Ordering Abbreviation	Watts	Volts	Current (Amps)	Viewing Angle	Color	Number LEDs	Wave Length (nm)	Lum. Intensity per LED (mcd)	Lum. Flux per LED (lm/m)
70062	LINEARFLEXTOP/617/OS/LM10A/A	1.2	24dc	0.05	120	Red (Amber)	10	617	530	1550
70061	LINEARFLEXTOP/587/OS/LM10A/Y	0.96	24dc	0.04	120	Yellow	10	587	280	825
70063	LINEARFLEXTOP/525/OS/LM10A/T	1.2	24dc	0.05	120	True Green	10	525	165	475
70064	LINEARFLEXTOP/470/OS/LM10A/B	1.2	24dc	0.05	120	Blue	10	470	35	100
70065	LINEARFLEXTOP/OS/LM10A/W	0.96	24dc	0.04	120	White	10	x = 0.32; y=0.31	165	475

## Application Information

### Applications

Edgelighting transparent/diffuse materials  
 Border marking  
 Commercial signs  
 Emergency/Rescue signs  
 Path & contour marking  
 Backlighting complex contours

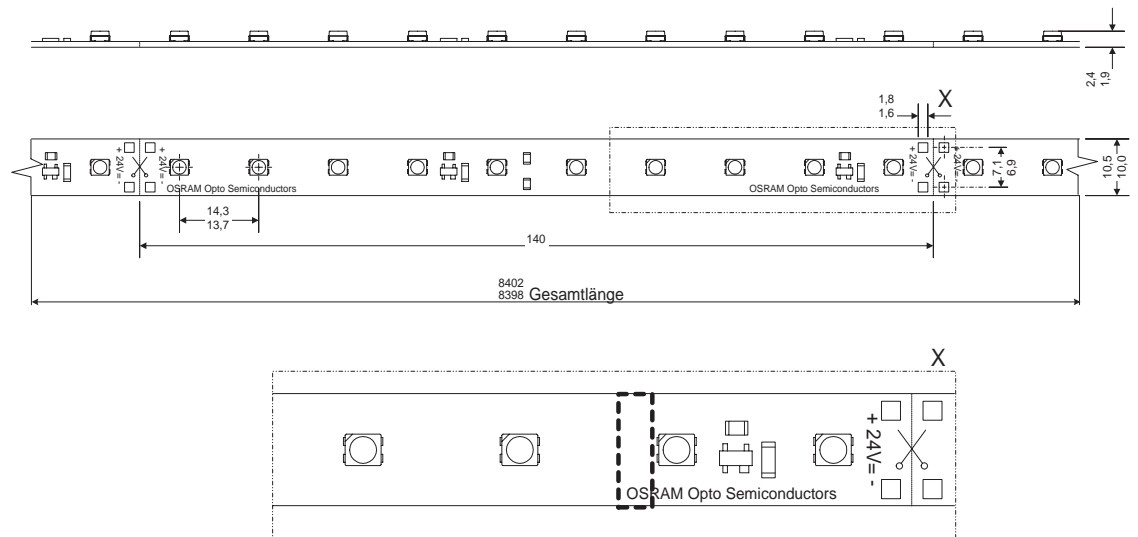
### Application Notes

1. Flexible
2. Small dimensions
3. Shock resistance
4. High color efficiency
5. Directional radiation characteristics
6. No UV or IR radiation
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	$V_{max}$	22 - 25	$V_{dc}$
Reverse Voltage	$V_R$	25	$V_{dc}$

## Dimensions



	Length (mm)	Width (mm)
Entire PCB	8,400	10
Smallest Unit	140	10
LED Grid	14	

Dimensions on diagrams in mm.

OSRAM SYLVANIA  
National Customer  
Support Center  
18725 N. Union Street  
Westfield, IN 46074

### Industrial & Commercial

Phone: 1-800-255-5042  
Fax: 1-800-255-5043

### National Accounts

Phone: 1-800-562-4671  
Fax: 1-800-562-4674

### OEM & Special Markets

Phone: 1-800-762-7191  
Fax: 1-800-762-7192

### Photo-Optic

Phone: 1-888-677-2627  
Fax: 1-800-762-7192

In Canada  
OSRAM SYLVANIA LTD.  
Headquarters  
2001 Drew Road  
Mississauga, ON L5S 1S4

### Industrial & Commercial

Phone: 1-800-263-2852  
Fax: 1-800-667-6772

### Special Markets

Phone: 1-800-265-2852  
Fax: 1-800-667-6772

## Ordering Guide

<b>LM</b>	/	<b>617</b>	/	<b>OS</b>	/	<b>LM10A</b>	/	<b>A</b>
LINEARlight Module		Wavelength 617nm		Opto Semiconductor		ID No.		Color Code A = Red (Amber)