

LINEARlight FLEX SIDELED

Flexible LED Strip



- Unique solution based on side emitting LEDs
- Long life: Up to 100,000 hours
- OSRAM Hyper SIDELED® allows high luminous flux
- ±60° viewing angle per LED
- Entire strip consists of 300 LEDs
- Conveniently field cut with regular scissors (smallest unit - 75 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 12/230-240/10V or OT 06/100-240/10V

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.

Product Availability

Product	Color
LINEARFLEXSIDE/615/OS/LM11A/A	Red (Amber)
LINEARFLEXSIDE/587/OS/LM11A/Y	Yellow
LINEARFLEXSIDE/525/OS/LM11A/T	True Green
LINEARFLEXSIDE/470/OS/LM11A/B	Blue
LINEARFLEXSIDE/OS/LM11A/W	White

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)
70066	LINEARFLEXSIDE/615/OS/LM11A/A	0.2	10dc	0.02	120	Red (Amber)	4	615	135	390
70067	LINEARFLEXSIDE/587/OS/LM11A/Y	0.2	10dc	0.02	120	Yellow	4	587	105	310
70068	LINEARFLEXSIDE/525/OS/LM11A/T	0.4	10dc	0.04	120	True Green	4	525	135	390
70069	LINEARFLEXSIDE/470/OS/LM11A/B	0.4	10dc	0.04	120	Blue	4	470	40	115
70070	LINEARFLEXSIDE/OS/LM11A/W	0.4	10dc	0.04	120	White	4	x = 0.32 ; y=0.31	195	570

Application Information

Applications

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

Application Notes

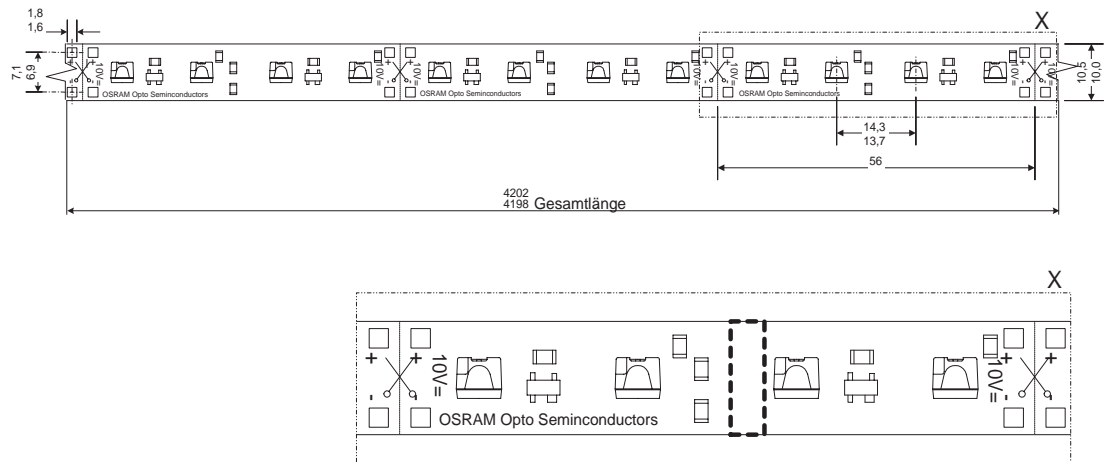
1. Flexible
2. Small dimensions
3. Shock resistance
4. High color efficiency
5. Directional radiation characteristics
6. No UV or IR radiation
7. Power supplies for operation (contact us for availability)



Maximum Ratings

Parameter	Symbol	Values	Units
Operating Temperature	T_{op}	-30... ±65	°C
Storage Temperature Range	T_{stg}	-30... ±85	°C
Maximum Voltage	V_{max}	9 - 12	V_{dc}
Reverse Voltage	V_R	12	V_{dc}

Dimensions



Dimensions on diagrams in mm.

	Length (mm)	Width (mm)
Entire PCB	4,200	10
Smallest Unit	140	10
LED Grid	14	

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Ordering Guide

LM	/	615	/	OS	/	LM11A	/	A
LINEARlight Module		Wavelength 615nm		Opto Semiconductor		ID No.		Color Code A = Red (Amber)