



# LEDs-ON

... quality aluminum led profiles producer



## IP67 PRODUCTS

**UVA/UVB resistant lighting fixture with 5 years guarantee for homogeneity and equity of the colour of the resin**

IP67, completely waterproof solution for outdoor use, great for wet environment applications. Resistant to all cleaning solvents proven in laboratory test results, including chlorine and salt water.

**LED's are 100% safe, we have right equipment and right resin technology in place**

We create the "soft pillow" over the LED's with the soft transparent resin, so the contractions, stress and other harm forces which can be transmitted through the frame can not damage the housing of the single led. This is why our solution is 100% safe and secure for the LED's. Our resin do not get into the chemical reaction with phosphor which is part of the less. The colour and light transmission ability depends on a few aspects which can be modified by us according to customer demand and product limitations. International certificate CB and ENEC are pending.

### **Available Lengths**

The product is length customised, which means we are prepared to produce and deliver the IP67 products up to 5000mm long units. OSRAM LED source as the guarantor of the quality, for that highly specialised product we have chosen Osram. We instal and supply products with Osram LED stripe inside. Viarity of different types of leds and brands are available for future customer's demand.

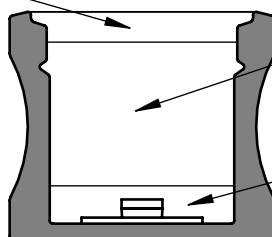
### **All connections are IP67**


All connections are IP67 secure with dedicated sockets with IP67 rate. Cable is VDE certified. We offer extensions, t-connectors and spare sockets to finish your installation.

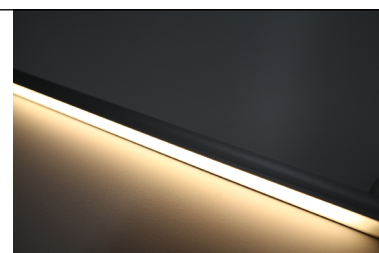
opal hard resin

transparent hard resin

"soft pillow"  
transparent soft resin



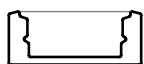
TECHNICAL DATA	
Power Supply Voltage	24 [V]
Power Supply Type	Constant Voltage (DC)
LED stripe	 <p>TRIDONIC OSRAM</p>
Color temperature	2400 - 5000 [K]
CRI	>80
Length	max 5000 [mm]
Housing material	aluminium profile (silver, black and white)
Filling material	polyurethane resin (transparent or opal)
Operating temperature range	-30 [°C] ... +65 [°C]
Energy efficiency class	A++
Type of protection	IP67
Application	accent illumination in architectural illumination, exhibition lighting, stairway illumination, illumination for bars, shipbuilding, and many more illumination for outdoor



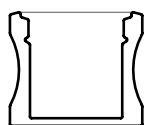
# Range of PROFILES ready for encapsulation

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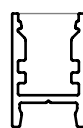
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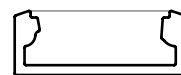
SL7



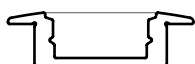
SL15



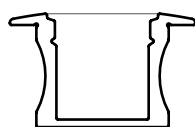
ALU-SWISS



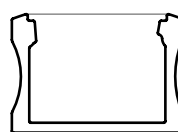
SLW8



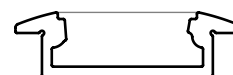
RSL7



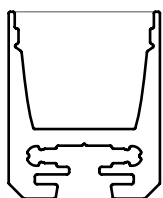
RSL15



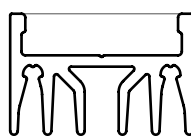
SLW15



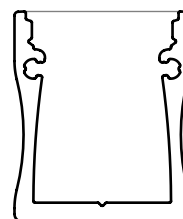
RSLW8



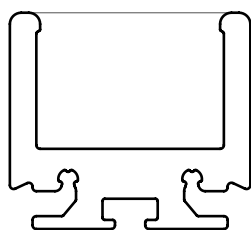
ALU-SWISS20



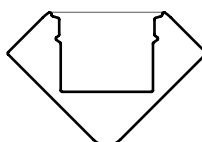
ALU-EPOXY



SLW20



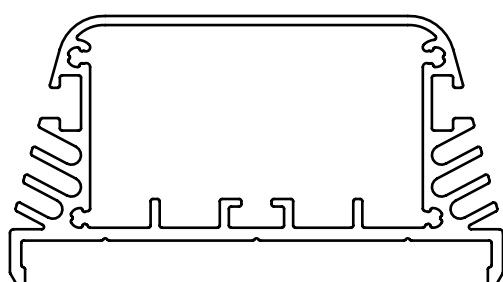
DRIVE WAY



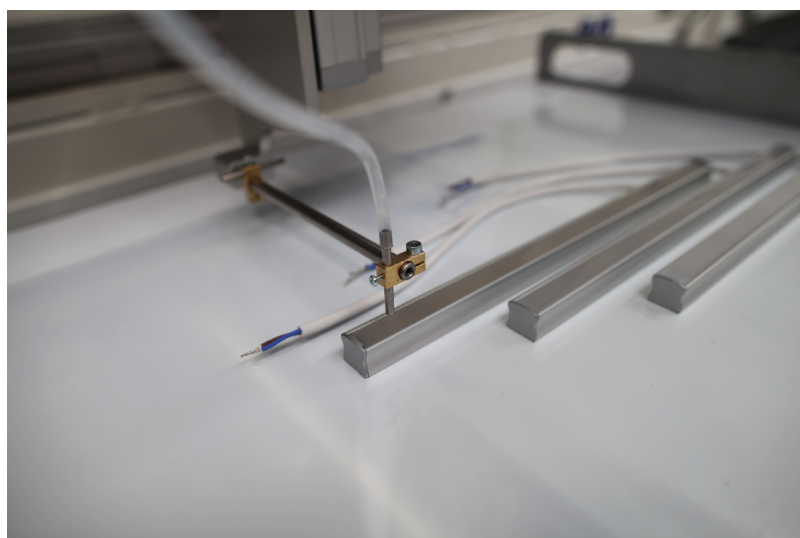
ALU-45



ALU-CORNER



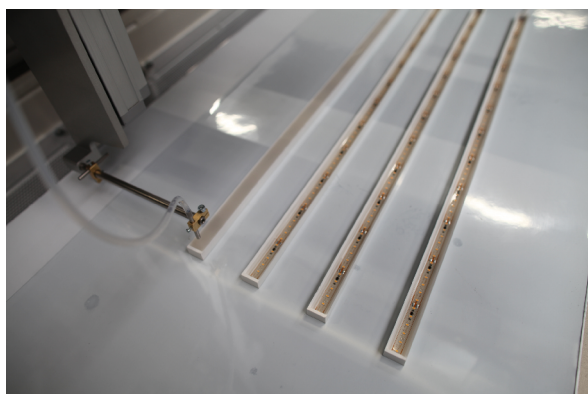
PL65



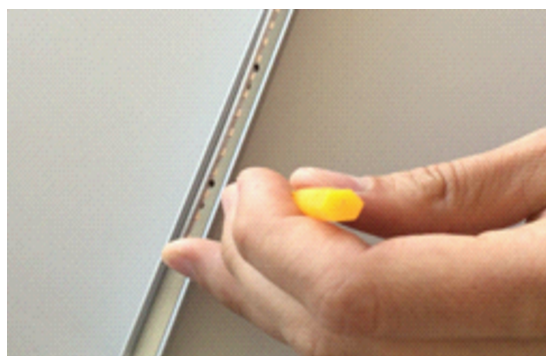
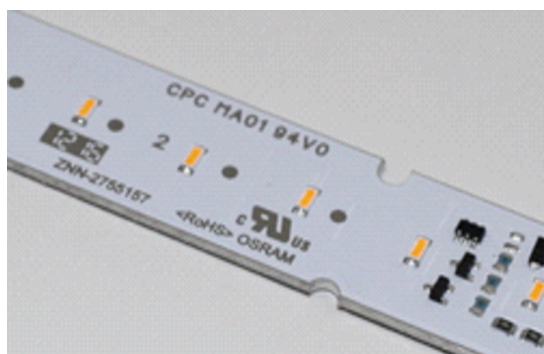
## AVAILABLE LED STRIPES

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CODE	LEDs	CRI	Typ. colour temp. [K]	Total power consumption [W/m]
827TR-SNC	Tridonic LLE FLEX 827 SNC	>80	2700	5
830TR-SNC	Tridonic LLE FLEX 830 SNC		3000	
840TR-SNC	Tridonic LLE FLEX 840 SNC		4000	
865TR-SNC	Tridonic LLE FLEX 865 SNC		6500	
927TR-EXC	Tridonic LLE FLEX 927 EXC	>90	2700	11
930TR-EXC	Tridonic LLE FLEX 930 EXC		3000	
940TR-EXC	Tridonic LLE FLEX 940 EXC		4000	
965TR-EXC	Tridonic LLE FLEX 965 EXC		6500	
824SP	Osram Short Pitch 824	>80	2400	8,9
830SP	Osram Short Pitch 830		3000	8,3
840SP	Osram Short Pitch 840		4000	8,6
LF3000-824	Osram FlexPower LF-3000, 824	>80	2400	29
LF3000-827	Osram FlexPower LF-3000, 827		2700	24
LF3000-830	Osram FlexPower LF-3000, 830		3000	
LF3000-840	Osram FlexPower LF-3000, 840		4000	22
RGB	Osram LF200C-G3-RGB-06		RGB	
C	Customize under client specification			








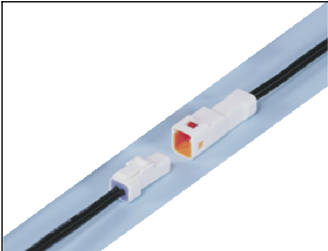


## CABLES AND CONNECTORS

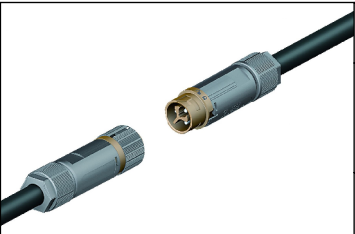



### 1. Cables and connector (separately)

	Product code	Description
	CABLE-2P-1	1000mm long cable 2x1mm <sup>2</sup> , free end in black insulation
	IP69K-CON2P-M	IP68 male connector
	IP69K-CON2P-F	IP68 female connector

### 2. IP67 (2x0,33mm<sup>2</sup>) cable with IP67 connector (set)

	Product code	Description
	IP67-CB2P-0,3M	300mm IP67 2x0,33mm <sup>2</sup> cable with IP67 male connector, one end free
	IP67-CB2P-0,3F	300mm IP67 2x0,33mm <sup>2</sup> cable with IP67 female connector, one end free

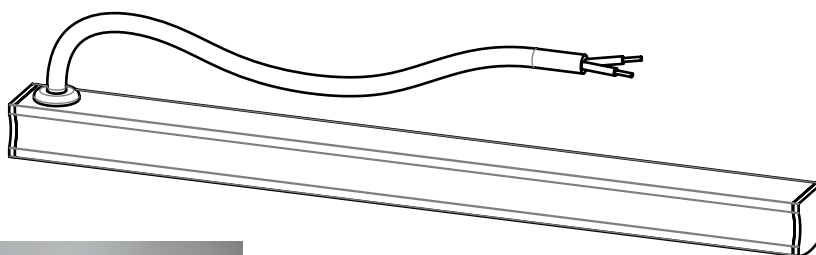
### 3. IP68 (2x1,5mm<sup>2</sup>) cable with IP68 connector (set)

	Product code	Description
	IP67-CB2P-0,5M	500mm IP68 2x1,5mm <sup>2</sup> cable with IP68 male connector, one end open
	IP67-CB2P-0,5M	500mm IP68 2x1,5mm <sup>2</sup> cable with IP68 female connector, one end open
	IP67-CB2P-3F	3000mm IP68 2x1,5mm <sup>2</sup> cable with IP68 female connector, one end open
	IP-CON2P-M	IP68 spare male connector
	IP-CON2P-F	IP68 spare female connector

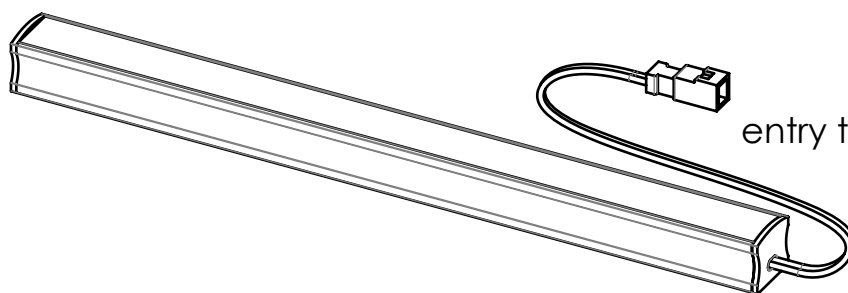
## CABLE ENTRY

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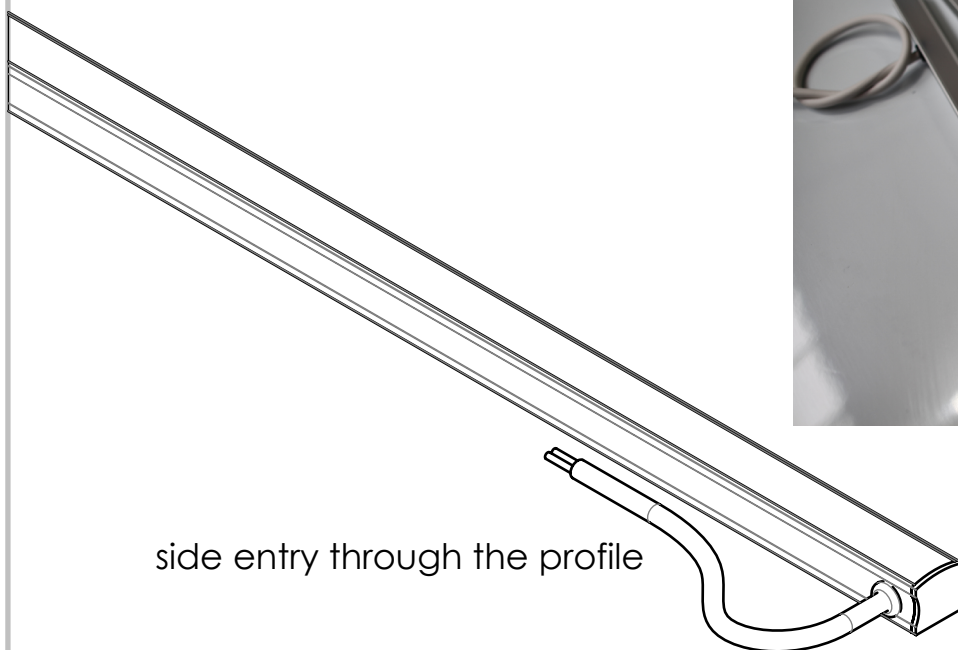
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bottom entry through the profile



entry through the end cap



side entry through the profile

## IP67/68 PRODUCTS SAMPLE BOX

**LEDs-ON™**  
[www.ledson.eu](http://www.ledson.eu)



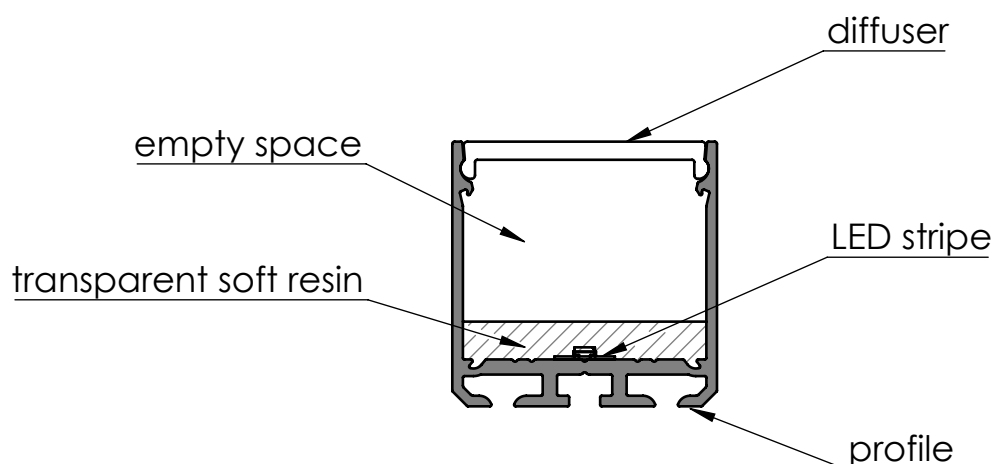
Next generation  
IP67/68 products  
show case



### Content of sample box:

1. **SL7** encapsulated with two component polyurethane resin, transparent hard finish on top, cable with IP68 male connector
2. **SL15** encapsulated with three component polyurethane resin, opal hard finish on top, cable with IP68 male connector
3. **SWISS20** encapsulated with three component polyurethane resin, opal hard finish on top, free end cable
4. **ALU-EPOXY** encapsulated with two component polyurethane resin, opal hard finish on top, cable with IP68 male connector
5. **DRIVE WAY** encapsulated with three component polyurethane resin, opal hard finish on top, cable with IP68 male connector
6. **Aquaflex12** encapsulated with two component polyurethane resin, opal soft finish on top, cable with IP67 male connector
7. **Aquaflex 5** encapsulated with polyurethane resin, opal soft finish on top, cable with IP67 male connector
8. **Aquaflex 5** encapsulated with polyurethane resin, transparent soft finish on top, cable with IP67 male connector
9. IP68 **female connector** with cable for SL7, SL15 and ALU-EPOXY
10. IP68 female connector with cable for DRIVE WAY
11. IP67 female connector with cable for AQUAFLEX 12 and AQUAFLEX 5
12. **Power Supply** 24VDC IP67
13. Cross-section of encapsulated DRIVE WAY with base

## HALF ENCAPSULATED PROFILE (IP67)



Other profiles that can be encapsulated this way:

