

VL-SNSI1616-W (Sauna series - top bend)

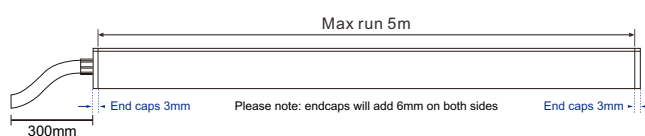
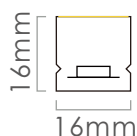
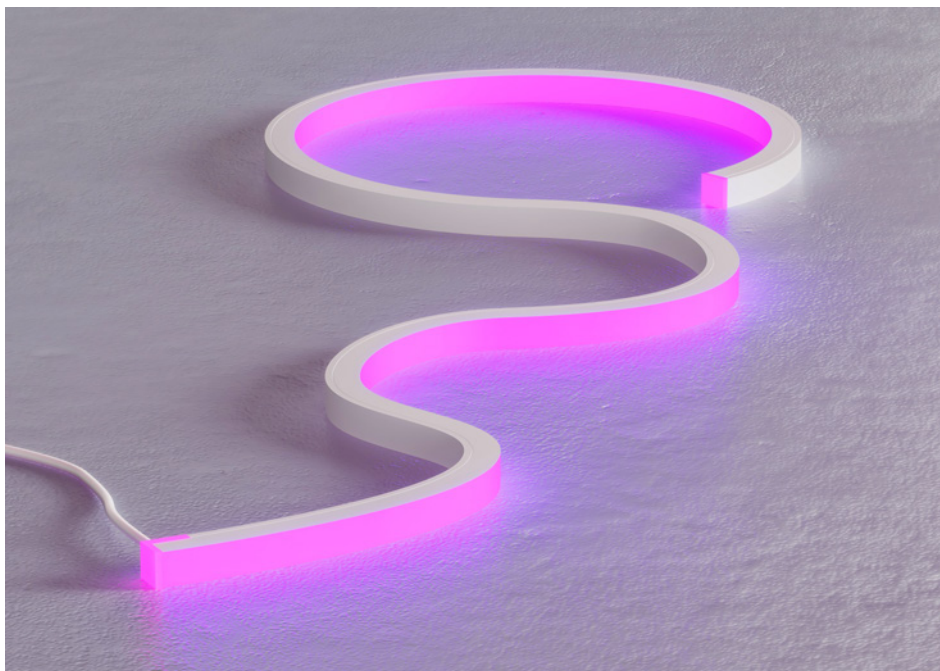


Sauna - Flex Neon 24V

9.6W/m | 3000K CRI>90 | 432Lm/m

9.6W/m | RGBW | 384Lm/m

PROJECT		REFERENCE TYPE	
SPECIFIED BY		QUANTITY	
DATE		NOTE	



Cable Specs:
Mono: 2*18AWG UL
RGB: 4*22AWG UL
RGBW: 5*22AWG UL



FEATURES

Fully automated extruded silicone LED flexible neon with 75mm bend radius for horizontal side bending. IP67 protection, specially in-feed system and end cap design enable a dot-free alignment of numerous fixtures. Ideal for curves/custom contours in saunas, pool edges and architectural details—reliable operation from -25°C to 105°C, suited for extreme climates.

Optics & Electronics

Unique integrated circuit design ensures uniform light intensity along the entire length of fixture. LED with 3-step MacAdam and guaranteeing consistency and high quality of light.

Customization

Front, Front, bottom and side cable entry options available for different install options. Endless fixture length configurations allow for the ultimate freedom of design. Cut lengths and terminations are pre-assembled at Vals Lighting factory to ensure IP rating.

Life Cycle

Long lifetime of L70B10>36,000 hours 3 years (for sauna or steam room high temperature application), L70B10>54,000 hours 5 years (for indoor and outdoor TA <50°C)

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SPECIFICATION LOGIC

FAMILY	POWER W/m	NOMINAL LENGTH	Light Color	INPUT VOLTAGE	CABLE ENTRY	IP RATING
VL-SNSI1616-W	9.6W/m	Max.run length - 5m	MONO RGB RGBW	24VDC	FF - Front + Front SS - Side + Side BB - Bottom + Bottom FX - Front + Closed SX - Side + Closed BX - Bottom + Closed	IP67

Order example: VL-SNSI1616-W-927K-5m-SS

PRODUCT SPECIFICATIONS

MONO		
Electrical	Series Part Number	VL-SNSI1616-W-930K-9.6W
	Power	9.6W/m
	Input Voltage	24VDC
Physical	Minimum Length	50mm
	Width x Height	16mm x 16mm
	Body Finish	Premium silicone / white
	Bend Direction	Vertical (top bending)
	Bend Radius	75mm
	Qty of LED	120LEDs/m
	IC Type	/
	Cable Entry Options	Front, Side, Bottom
	Fixture Connections	IP67 injection-moulded input and end cap
Optical	LED Type	2835 LED
	Control Protocol	0-10V or PWM or Dali
	Lumen Output	432Lm/m(3000K) 455Lm/m(4000K) 483Lm/m(6500K)
	Efficacy	45Lm/W(CRI90, 3000K)
	Lumen Maintenance	L70B10@36,000 hours
Temperature Range	Storage Temperature	-25°Cmin, 105°Cmax
	Max Ambient Temperature	105°C
	Min Ambient Temperature	-25°C

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PRODUCT SPECIFICATIONS

		RGB
Electrical	Series Part Number	VL-SNSI1616-W-RGB-9.6W
	Power	9.6W/m
	Input Voltage	24VDC
Physical	Minimum Length	62.5mm
	Width x Height	16mm x 16mm
	Body Finish	Premium silicone / white
	Bend Direction	Vertical (top bending)
	Bend Radius	75mm
	Qty of LED	96LEDs/m
	IC Type	/
	Cable Entry Options	Front, Side, Bottom
Optical	Fixture Connections	IP67 injection-moulded input and end cap
	LED Type	4040 LED
	Control Protocol	PWM or Dali
	Lumen Output	RGB: 288Lm/m
	Efficacy	30Lm/W
Temperature Range	Lumen Maintenance	L70B10@36,000 hours
	Storage Temperature	-25°Cmin, 85°Cmax
	Max Ambient Temperature	85°C
	Min Ambient Temperature	-25°C

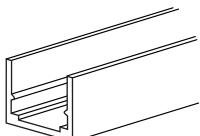
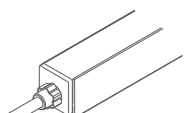
PRODUCT SPECIFICATIONS

		RGBW
Electrical	Series Part Number	VL-SNSI1616-W-RGBW-9.6W
	Power	9.6W/m
	Input Voltage	24VDC
Physical	Minimum Length	62.5mm
	Width x Height	16mm x 16mm
	Body Finish	Premium silicone / white
	Bend Direction	Vertical (top bending)
	Bend Radius	75mm
	Qty of LED	96LEDs/m
	IC Type	/
	Cable Entry Options	Front, Side, Bottom
Optical	Fixture Connections	IP67 injection-moulded input and end cap
	LED Type	5050 LED
	Control Protocol	PWM or Dali
	Lumen Output	RGBW: 384Lm/m
	Efficacy	40Lm/W
Temperature Range	Lumen Maintenance	L70B10@36,000 hours
	Storage Temperature	-25°Cmin, 85°Cmax
	Max Ambient Temperature	85°C
	Min Ambient Temperature	-25°C

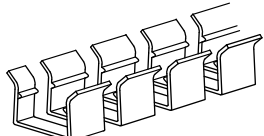
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PROFILES AND MOUNTING OPTIONS

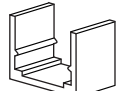
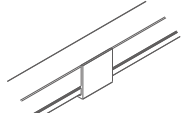
FIXED ALUMINUM PROFILE

	EXAMPLES OF INSTALLATION	PART NUMBER	DETAILS
 		1616-FAP-_____MM	FAP- Fixed aluminum profile

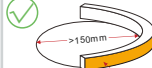
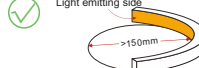
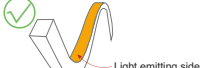
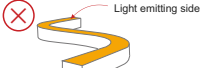
BENDABLE STAINLESS STEEL PROFILE

	EXAMPLES OF INSTALLATION	PART NUMBER	DETAILS
 		1616-BSP-_____MM	BSP- Bendable stainless steel profile

MOUNTING CLIPS

	EXAMPLES OF INSTALLATION	PART NUMBER	DETAILS
 		1616-MC	MC- Mounting clips

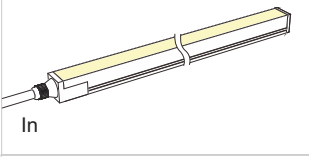
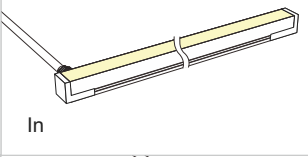
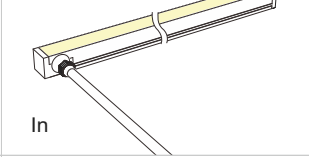
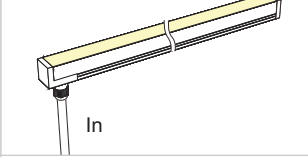
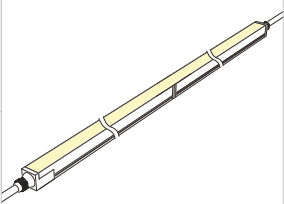
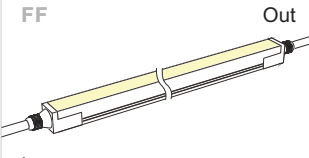
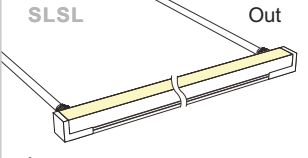
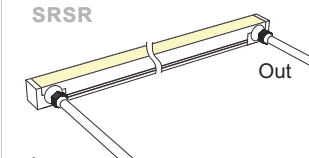
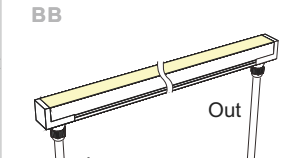
MIN. BENDING DIAMETER INSTRUCTION

Bending in wave form - vertical	  	
DO NOT bend in curve form - horizontal	  	

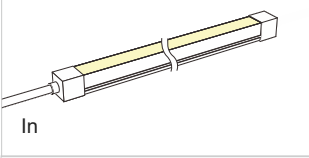
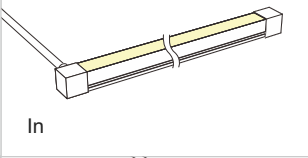
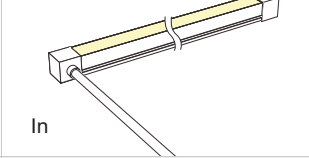
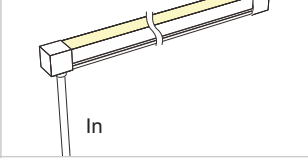
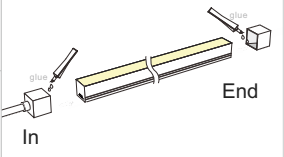
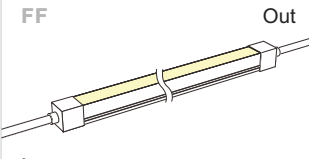
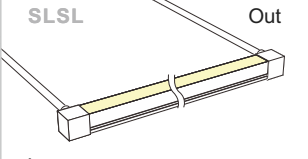
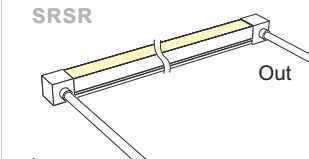
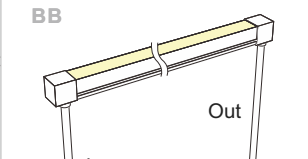
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CABLE ENTRY OPTION EXAMPLES INTEGRATED EXTRUSION

F-FRONT	S-SIDE-LEFT	S-SIDE-RIGHT	B-BOTTOM	SEAMLESS SPLICING
FX  In	SLX  In	SRX  In	BX  In	
FF  In Out	SLSL  In Out	SRSR  In Out	BB  In Out	

CABLE ENTRY OPTION EXAMPLES PLUG-IN CAP

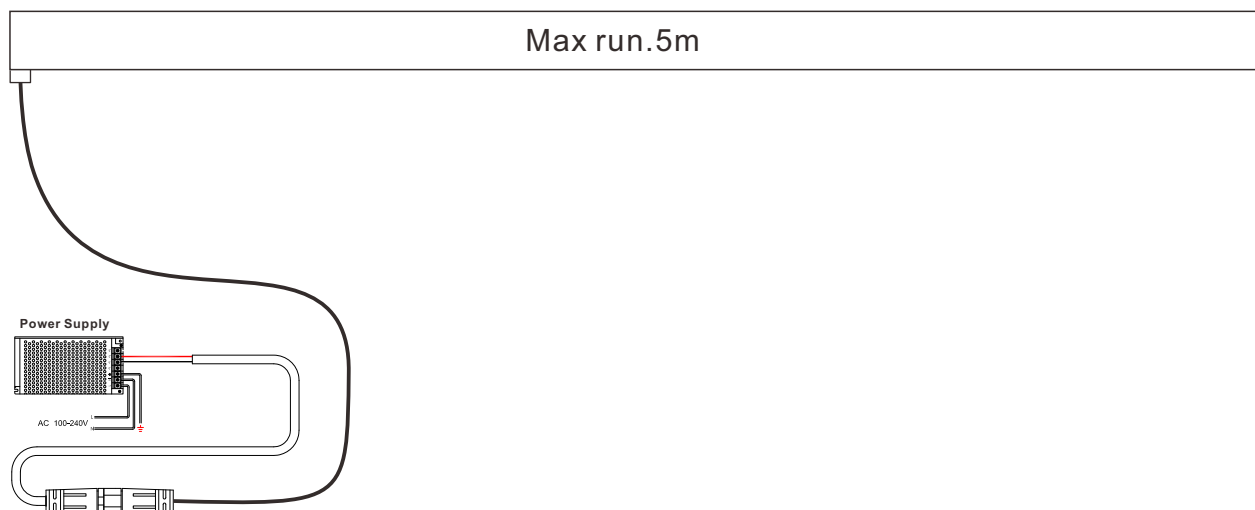
F-FRONT	S-SIDE-LEFT	S-SIDE-RIGHT	B-BOTTOM	DIY
FX  In	SLX  In	SRX  In	BX  In	 In End
FF  In Out	SLSL  In Out	SRSR  In Out	BB  In Out	

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WIRING ELECTRICAL DIAGRAM

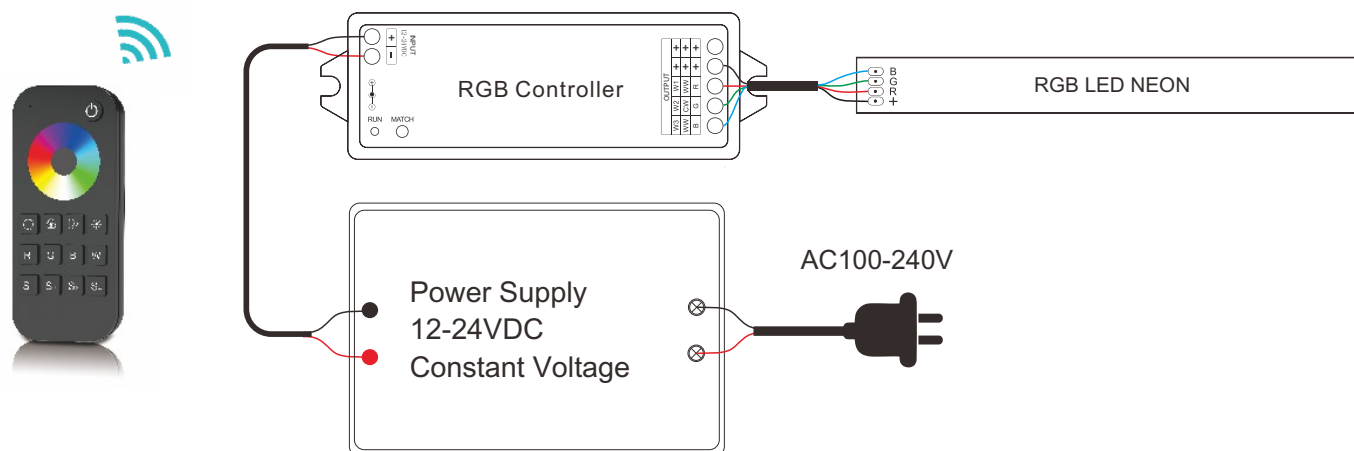
MONO

Input by one end



WIRING ELECTRICAL DIAGRAM

RGB



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WIRING ELECTRICAL DIAGRAM

RGBW

