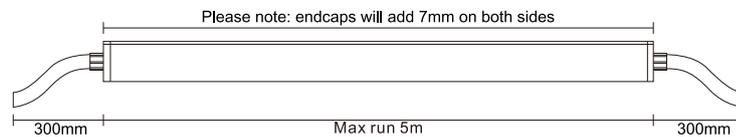
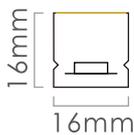
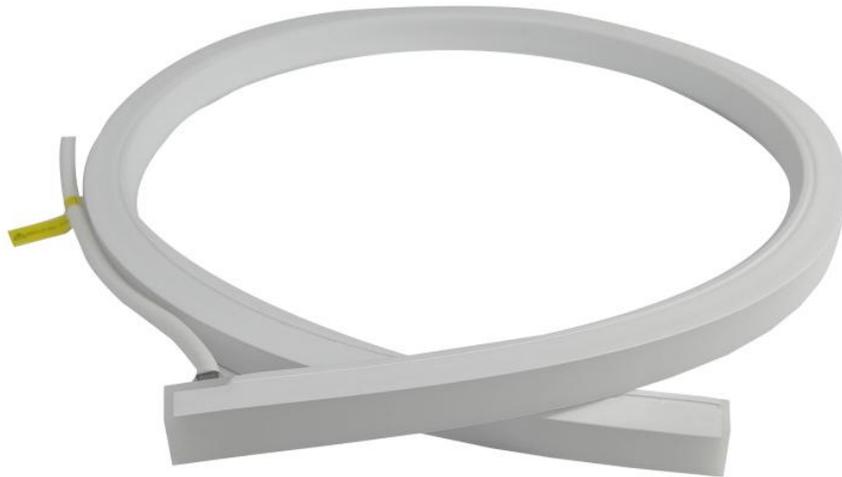


VL-SI1616-3D (Pro 3D series - dual bend)



Free-bend - Flex Neon 24V
14.4W/m | 3000K CRI>90 | 576Lm/m
14.4W/m | RGB | 288Lm/m

PROJECT	REFERENCE TYPE
SPECIFIED BY	QUANTITY
DATE	NOTE



FEATURES

Fully automated extrusion silicone LED flexible neon, for outdoor and indoor architectural application, IP67 protection, specially in-feed system and end cap design enable a dot-free alignment of numerous fixtures.

Optics & Electronics

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

Customization

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>54,000 hours with Five-year limited warranty indoor and outdoor.

VL-SI1616-3D (Pro 3D series - dual bend)



SPECIFICATION LOGIC						
FAMILY	POWER W/m	NOMINAL LENGTH	Light Color	INPUT VOLTAGE	CABLE ENTRY	IP RATING
VL-SI1616-3D	14.4W/m	Maximum length - 5m	MONO  TW  DTW  RGB  SPI 	24VDC	FF - Front + Front SS - Side + Side BB - Bottom + Bottom FX - Front + Closed SX - Side + Closed BX - Bottom + Closed	IP67

Order example: VL-SI1616-3D-927K-5m-SS

PRODUCT SPECIFICATIONS 				
		MONO		
Electrical	Power	14.4W/m		
	Input Voltage	24VDC		
Physical	Minimum Length	Free-cut		
	Width x Height	16mm x 16mm		
	Body Finish	Premium silicone / white		
	Bend Direction	Side and Top bending		
	Bend Radius	140mm(curve), 60mm(wave)		
	Qty of LED	120LEDs/m		
	IC Type	/		
	Cable Entry Options	Front, Side, Bottom		
Optical	Fixture Connections	IP67 injection-moulded input and end cap		
	LED Type	2835 LED		
	Control Protocol	0-10V or PWM or Dali		
	Lumen Output	576Lm/m(3000K)	606Lm/m(4000K)	644Lm/m(6500K)
	Efficacy	40Lm/W(CRI90, 3000K)		
Temperature Range	Lumen Maintenance	L70B10@54,000 hours		
	Storage Temperature	-25°Cmin, 60°Cmax		
	Max Ambient Temperature	50°C		
	Min Ambient Temperature	-25°C		

VL-SI1616-3D (Pro 3D series - dual bend)



PRODUCT SPECIFICATIONS 		
		Tunable white
Electrical	Power	14.4W/m
	Input Voltage	24VDC
Physical	Minimum Length	50mm
	Width x Height	16mm x 16mm
	Body Finish	Premium silicone / white
	Bend Direction	Side and Top bending
	Bend Radius	140mm(curve), 60mm(wave)
	Qty of LED	240LEDs/m
	IC Type	/
	Cable Entry Options	Front, Side, Bottom
Optical	Fixture Connections	IP67 injection-moulded input and end cap
	LED Type	2835 LED
	Control Protocol	0-10V or PWM or Dali
	Lumen Output	144Lm/m(2700K) 360Lm/m(3000K) 180Lm/m(6500K)
	Efficacy	25Lm/W(CRI90, 3000K)
Temperature Range	Lumen Maintenance	L70B10@54,000 hours
	Storage Temperature	-25°Cmin, 60°Cmax
	Max Ambient Temperature	50°C
	Min Ambient Temperature	-25°C

PRODUCT SPECIFICATIONS 		
		Dim-To-Warm
Electrical	Power	14.4W/m
	Input Voltage	24VDC
Physical	Minimum Length	50mm
	Width x Height	16mm x 16mm
	Body Finish	Premium silicone / white
	Bend Direction	Side and Top bending
	Bend Radius	140mm(curve), 60mm(wave)
	Qty of LED	240LEDs/m
	IC Type	/
	Cable Entry Options	Front, Side, Bottom
Optical	Fixture Connections	IP67 injection-moulded input and end cap
	LED Type	2835 LED
	Control Protocol	0-10V or PWM or Dali
	Lumen Output	325Lm/m(1800K) 360Lm/m(3000K)
	Efficacy	25Lm/W(CRI90, 3000K)
Temperature Range	Lumen Maintenance	L70B10@54,000 hours
	Storage Temperature	-25°Cmin, 60°Cmax
	Max Ambient Temperature	50°C
	Min Ambient Temperature	-25°C

VL-SI1616-3D (Pro 3D series - dual bend)



PRODUCT SPECIFICATIONS 		
		RGB
Electrical	Power	14.4W/m
	Input Voltage	24VDC
Physical	Minimum Length	50mm
	Width x Height	16mm x 16mm
	Body Finish	Premium silicone / white
	Bend Direction	Side and Top bending
	Bend Radius	140mm(curve), 60mm(wave)
	Qty of LED	120LEDs/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	RGB: 288Lm/m
	Efficacy	20Lm/W
Temperature Range	Lumen Maintenance	L70B10@54,000 hours
	Storage Temperature	-25°Cmin, 60°Cmax
	Max Ambient Temperature	50°C
	Min Ambient Temperature	-25°C

PRODUCT SPECIFICATIONS 		
		RGB-SPI
Electrical	Power	14.4W/m
	Input Voltage	24VDC
Physical	Minimum Length	50mm
	Width x Height	16mm x 16mm
	Body Finish	Premium silicone / white
	Bend Direction	Side and Top bending
	Bend Radius	140mm(curve), 100mm(wave)
	Qty of LED	120LEDs/m
	No. of Pixels	20pixels/m, IC code Sk6813
	Cable Entry Options	Front, Side, Bottom
Optical	Fixture Connections	IP67 injection-moulded input and end cap
	LED Type	4040 LED
	Control Protocol	SPI
	Lumen Output	RGBW: 288Lm/m
	Efficacy	20Lm/W
Temperature Range	Lumen Maintenance	L70B10@54,000 hours
	Storage Temperature	-25°Cmin, 60°Cmax
	Max Ambient Temperature	50°C
	Min Ambient Temperature	-25°C

VL-SI1616-3D (Pro 3D series - dual bend)



CABLE ENTRY OPTION EXAMPLES				
F-FRONT	S-SIDE-LEFT	S-SIDE-RIGHT	B-BOTTOM	SEAMLESS SPLICING
FX 	SLX 	SRX 	BX 	
FF 	SLSL 	SRSR 	BB 	

PROFILES AND MOUNTING OPTIONS

FIXED ALUMINUM PROFILE			
	EXAMPLES OF INSTALLATION	PART NUMBER	DETAILS
 18mm x 17.5mm		1616-FAP-_____MM	FAP- Fixed aluminum profile
BENDABLE STAINLESS STEEL PROFILE			
	EXAMPLES OF INSTALLATION	PART NUMBER	DETAILS
 17.35mm x 16.35mm		1616-BSP-_____MM	BSP- Bendable stainless steel profile
MOUNTING CLIPS			
	EXAMPLES OF INSTALLATION	PART NUMBER	DETAILS
 18mm x 17.5mm		1616-MC	MC- Mounting clips

BENDING INSTRUCTION

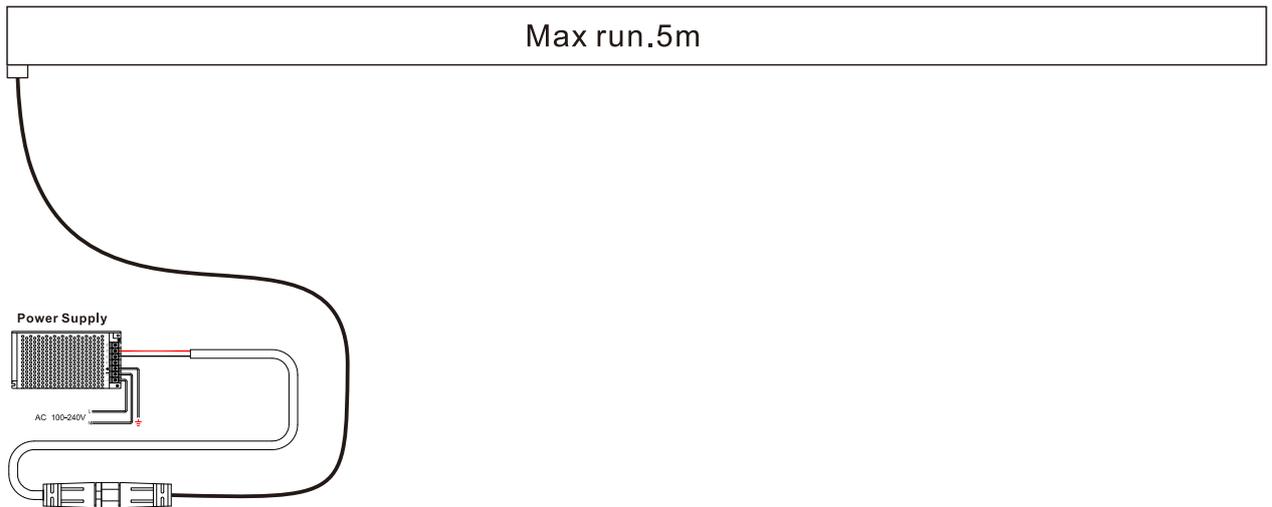
Bending in wave form - vertical		TWIST <math><180^\circ</math>
Bending in curve form - horizontal		

VL-SI1616-3D (Pro 3D series - dual bend)

WIRING ELECTRICAL DIAGRAM

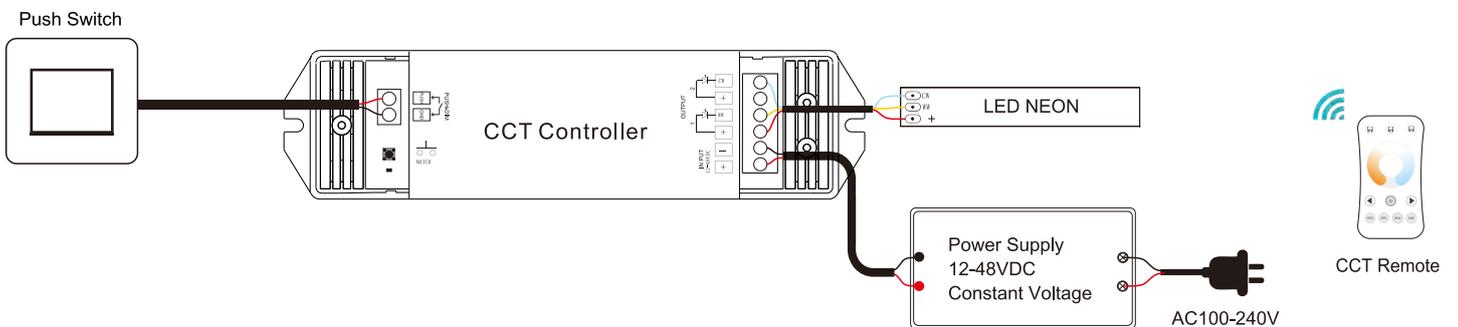
MONO

Input by one end



WIRING ELECTRICAL DIAGRAM

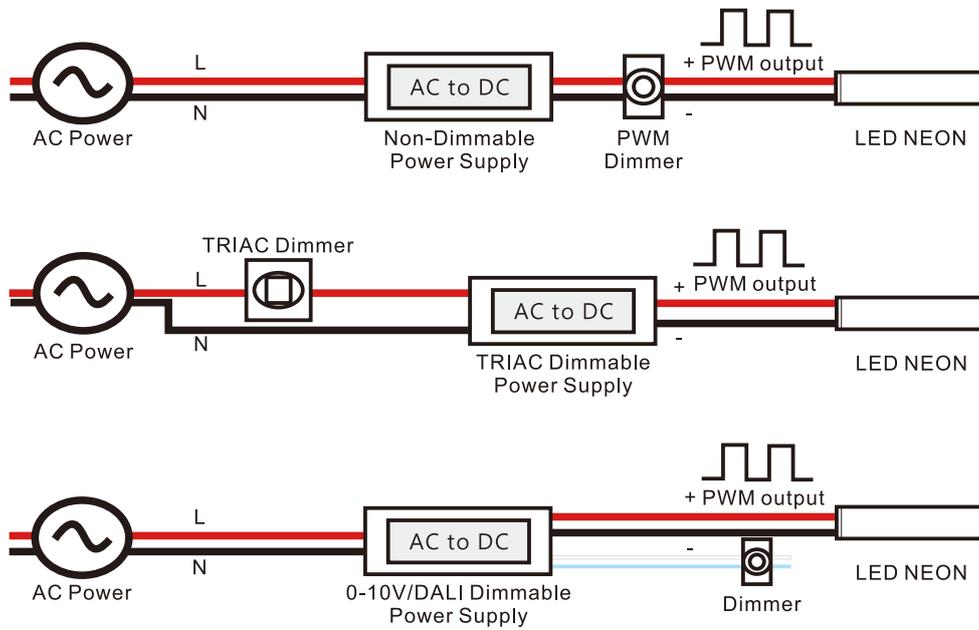
Tunable white



VL-SI1616-3D (Pro 3D series - dual bend)

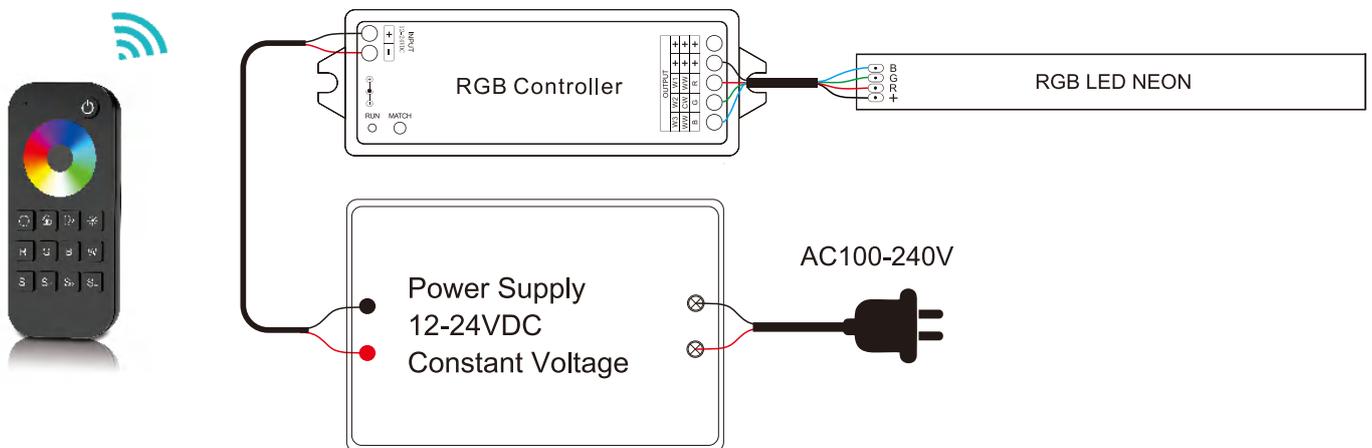
WIRING ELECTRICAL DIAGRAM

Dim-To-Warm



WIRING ELECTRICAL DIAGRAM

RGB



VL-SI1616-3D (Pro 3D series - dual bend)

WIRING ELECTRICAL DIAGRAM

RGB-SPI

