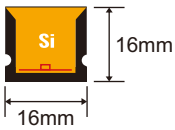
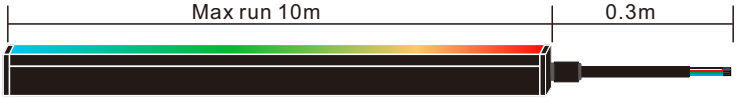
VL-BLSI1616-3D (Pro 3D series - dual bend)





IP 67 IK06 0~10V 120° UV resistant OUTDOOR 10M RUNS

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-BLSI1616-3D (Pro 3D series - dual bend)

SPECIFICATION LOGIC

FAMILY	POWER W/m	NOMINAL LENGTH	Light Color	INPUT VOLTAGE	CABLE ENTRY	IP RATING
VL-BLSI1616-3D	**14W/m**	Maximum length **- 10m**	**MONO** **RGB** **DMX**	**24VDC**	**FF -** Front + Front **SS -** Side + Side **BB -** Bottom + Bottom **FX -** Front + Closed **SX -** Side + Closed **BX -** Bottom + Closed	**IP67**

Order example: VL-BLSI1616-3D-10m-927K-SS

PRODUCT SPECIFICATIONS

		MONO
Electrical	Power	14W/m
	Input Voltage	24VDC
Physical	Minimum Length	Free-cut
	Width x Height	16mm x 16mm
	Body Finish	Premium silicone / black
	Bend Direction	Side and Top bending
	Bend Radius	280mm(curve), 120mm(wave)
	Qty of LED	140LEDs/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	119Lm/m(3000K) 125Lm/m(4000K) 139Lm/m(6500K)
	Efficacy	9Lm/W(CRI90, 4000K)
	Lumen Maintenance	L70B10@54,000 hours
Temperature Range	Storage Temperature	-25˚Cmin, 60˚Cmax
	Max Ambient Temperature	50˚C
	Min Ambient Temperature	-25˚C

VL-BLSI1616-3D (Pro 3D series - dual bend)

PRODUCT SPECIFICATIONS

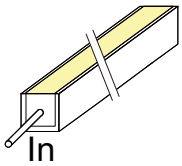
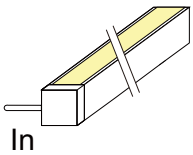
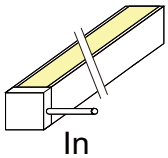
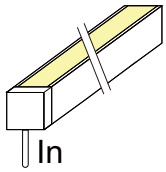
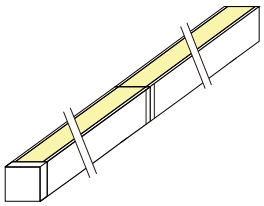
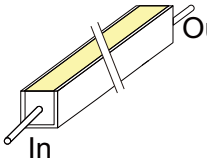
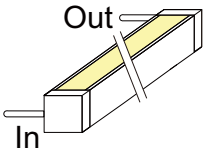
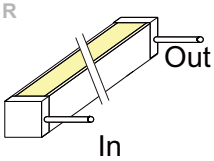
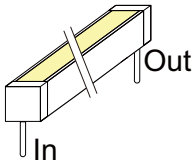
		RGB
Electrical	Power	14W/m
	Input Voltage	24VDC
Physical	Minimum Length	50mm
	Width x Height	16mm x 16mm
	Body Finish	Premium silicone / black
	Bend Direction	Side and Top bending
	Bend Radius	280mm(curve), 120mm(wave)
	Qty of LED	120LEDs/m
	IC Type	/
	Cable Entry Options	Front, Side, Bottom
	Fixture Connections	IP67 injection-moulded input and end cap
Optical	LED Type	2835 LED
	Control Protocol	PWM or Dali
	Lumen Output	RGB: 60Lm/m
	Efficacy	4.3Lm/W
	Lumen Maintenance	L70B10@54,000 hours
Temperature Range	Storage Temperature	-25˚Cmin, 60˚Cmax
	Max Ambient Temperature	50˚C
	Min Ambient Temperature	-25˚C

PRODUCT SPECIFICATIONS

		RGB-SPI
Electrical	Power	14W/m
	Input Voltage	24VDC
Physical	Minimum Length	50mm
	Width x Height	16mm x 16mm
	Body Finish	Premium silicone / black
	Bend Direction	Side and Top bending
	Bend Radius	280mm(curve), 120mm(wave)
	Qty of LED	120LEDs/m
	No. of Pixels	20pixels/m, IC code UCS2903B
	Cable Entry Options	Front, Side, Bottom
	Fixture Connections	IP67 injection-moulded input and end cap
Optical	LED Type	2835 LED
	Control Protocol	SPI
	Lumen Output	RGBW: 42Lm/m
	Efficacy	3Lm/W
	Lumen Maintenance	L70B10@54,000 hours
Temperature Range	Storage Temperature	-25˚Cmin, 60˚Cmax
	Max Ambient Temperature	50˚C
	Min Ambient Temperature	-25˚C

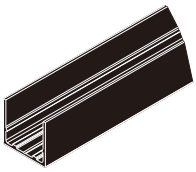
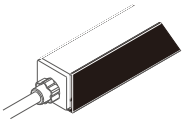
VL-BLSI1616-3D (Pro 3D series - dual bend)

CABLE ENTRY OPTION EXAMPLES

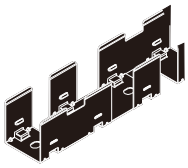
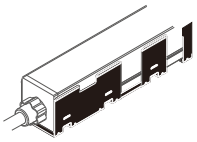
F-FRONT	S-SIDE-LEFT	S-SIDE-RIGHT	B-BOTTOM	SEAMLESS SPLICING
FX 	SLX 	SRX 	BX 	
FF 	SLSL 	SRSR 	BB 	

PROFILES AND MOUNTING OPTIONS

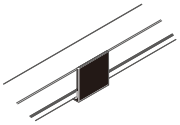
FIXED ALUMINUM PROFILE

	EXAMPLES OF INSTALLATION	PART NUMBER	DETAILS
		1616-FAP-_____*MM	**FAP-** Fixed aluminum profile

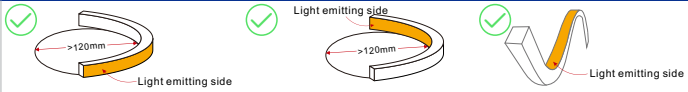
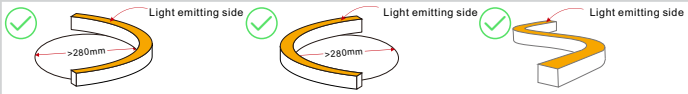
BENDABLE STAINLESS STEEL PROFILE

	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

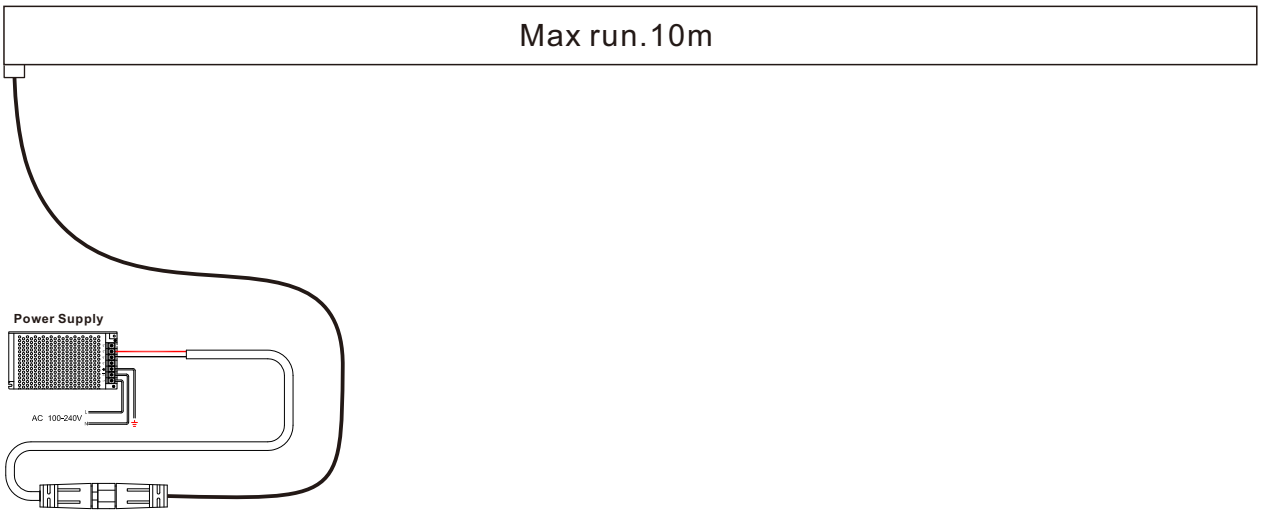
BENDING INSTRUCTION

Bending in wave form - vertical		**TWIST <180°**
Bending in curve form - horizontal		

WIRING ELECTRICAL DIAGRAM

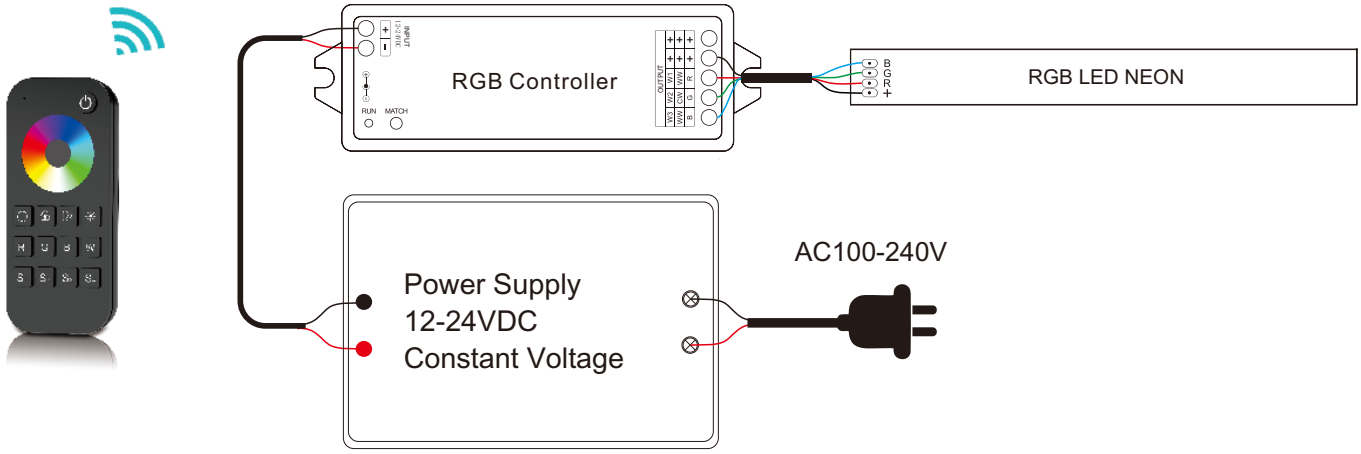
MONO

Input by one end



WIRING ELECTRICAL DIAGRAM

RGB



VL-BLSI1616-3D (Pro 3D series - dual bend)

WIRING ELECTRICAL DIAGRAM

RGB-SPI