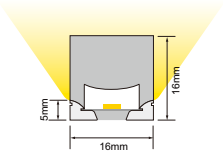
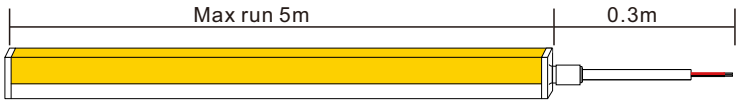
VL-CBSI1616-W (Cubic series - top bend)





IP 67 | IK06 | 0-10V | 120° | UV resistant | OUTDOOR | 5M 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-CBSI1616-W (Cubic series - top bend)

SPECIFICATION LOGIC

FAMILY	POWER W/m	NOMINAL LENGTH	Light Color	INPUT VOLTAGE	CABLE ENTRY	IP RATING
VL-CBSI1616-W	**14W/m**	Maximum length **- 5m**	**MONO** **TW** **RGB** **RGBW** **DMX**-RGBW	**24VDC**	**FF -** Front + Front **SS -** Side + Side **BB -** Bottom + Bottom **FX -** Front + Closed **SX -** Side + Closed **BX -** Bottom + Closed	**IP67**

Order example: VL-CBSI1616-W-5m-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 / white
	Bend Direction	Vertical (top bending)
	Bend Radius	150mm
	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	1,092Lm/m(3000K) 1,150Lm/m(4000K) 1,223Lm/m(6500K)
	Efficacy	82Lm/W(CRI90, 4000K)
	Lumen Maintenance	L70B10@54,000 hours
Temperature Range	Storage Temperature	-25℃min, 60℃max
	Max Ambient Temperature	50℃
	Min Ambient Temperature	-25℃

VL-CBSI1616-W (Cubic series - top bend)

PRODUCT SPECIFICATIONS

		Tunable white
Electrical	Power	14W/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	150mm
	Qty of LED	240LEDs/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	1,064Lm/m(2700K) 1,120Lm/m(4000K) 1,192Lm/m(6500K)
	Efficacy	80Lm/W(CRI90, 4000K)
	Lumen Maintenance	L70B10@54,000 hours
Temperature Range	Storage Temperature	-25℃min, 60℃max
	Max Ambient Temperature	50℃
	Min Ambient Temperature	-25℃

PRODUCT SPECIFICATIONS

		RGB
Electrical	Power	14W/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	150mm
	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	4040 LED
	Control Protocol	PWM or Dali
	Lumen Output	RGB: 550Lm/m
	Efficacy	39Lm/W
	Lumen Maintenance	L70B10@54,000 hours
Temperature Range	Storage Temperature	-25℃min, 60℃max
	Max Ambient Temperature	50℃
	Min Ambient Temperature	-25℃

VL-CBSI1616-W (Cubic series - top bend)

PRODUCT SPECIFICATIONS

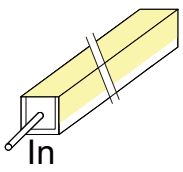
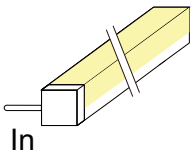
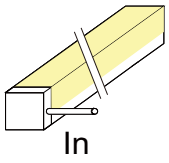
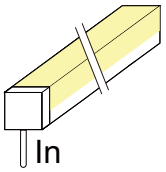
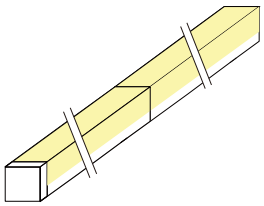
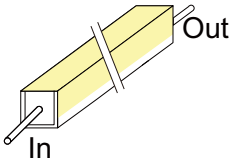
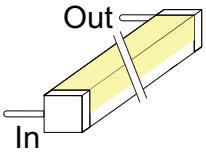
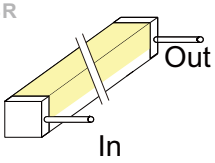
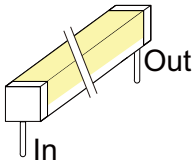
		RGBW
Electrical	Power	14W/m
	Input Voltage	24VDC
Physical	Minimum Length	50mm
	Width x Height	16mm x 16mm
	Body Finish	Premium silicone / white
	Bend Direction	Vertical (top bending)
	Bend Radius	150mm
	Qty of LED	120LEDs/m
	IC Type	/
	Cable Entry Options	Front, Side, Bottom
	Fixture Connections	IP67 injection-moulded input and end cap
Optical	LED Type	4040 LED
	Control Protocol	PWM or Dali
	Lumen Output	RGBW: 635Lm/m
	Efficacy	45Lm/W
	Lumen Maintenance	L70B10@54,000 hours
Temperature Range	Storage Temperature	-25℃min, 60℃max
	Max Ambient Temperature	50℃
	Min Ambient Temperature	-25℃

PRODUCT SPECIFICATIONS

		RGBW-DMX
Electrical	Power	14W/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	150mm
	Qty of LED	96LEDs/m
	No. of Pixels	16pixels/m, IC code UCS 512H4LB
	Cable Entry Options	Front, Side, Bottom
	Fixture Connections	IP67 injection-moulded input and end cap
Optical	LED Type	4040 LED
	Control Protocol	DMX512
	Lumen Output	RGBW: 500Lm/m
	Efficacy	35Lm/W
	Lumen Maintenance	L70B10@54,000 hours
Temperature Range	Storage Temperature	-25℃min, 60℃max
	Max Ambient Temperature	50℃
	Min Ambient Temperature	-25℃

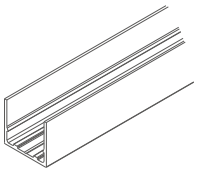
VL-CBSI1616-W (Cubic series - top bend)

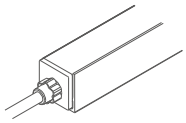
CABLE ENTRY OPTION EXAMPLES

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

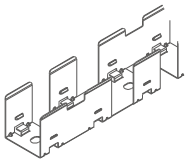
PROFILES AND MOUNTING OPTIONS

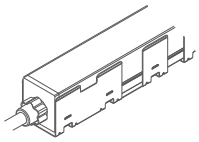
FIXED ALUMINUM PROFILE



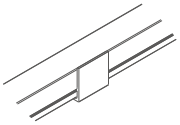
EXAMPLES OF INSTALLATION	PART NUMBER	DETAILS
	**1616-FAP-_____*MM**	**FAP-** Fixed aluminum profile

BENDABLE STAINLESS STEEL PROFILE

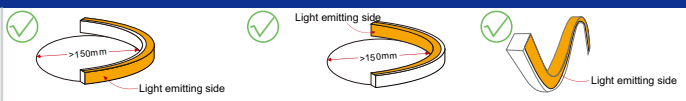
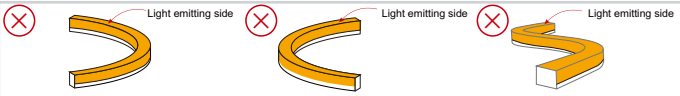


EXAMPLES OF INSTALLATION	PART NUMBER	DETAILS
	**1616-BSP-_____*MM**	**BSP-** Bendable stainless steel profile

MOUNTING CLIPS

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

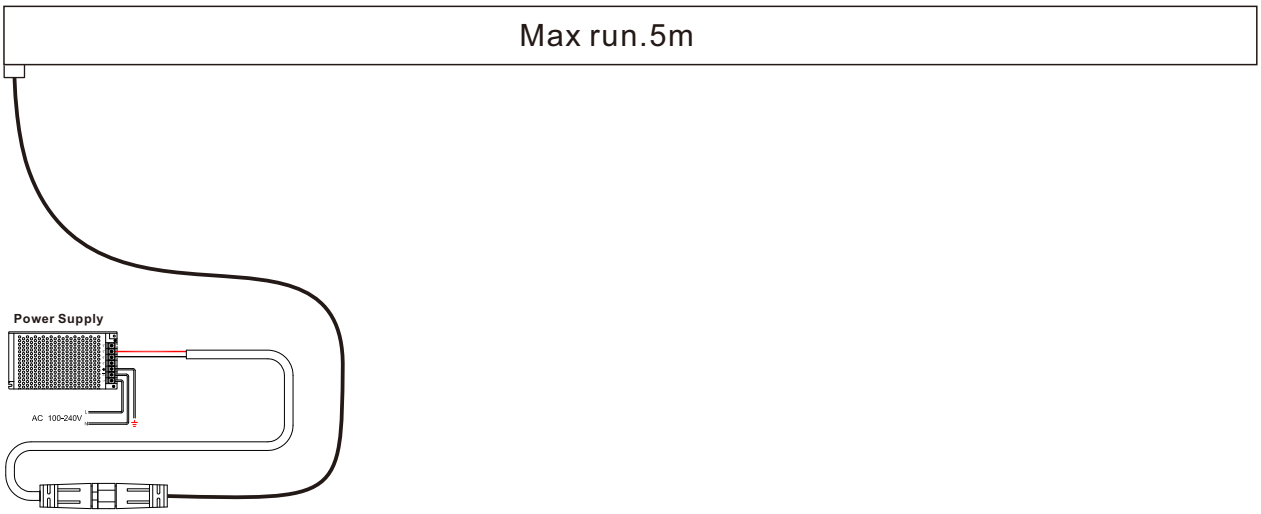
BENDING INSTRUCTION

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

WIRING ELECTRICAL DIAGRAM

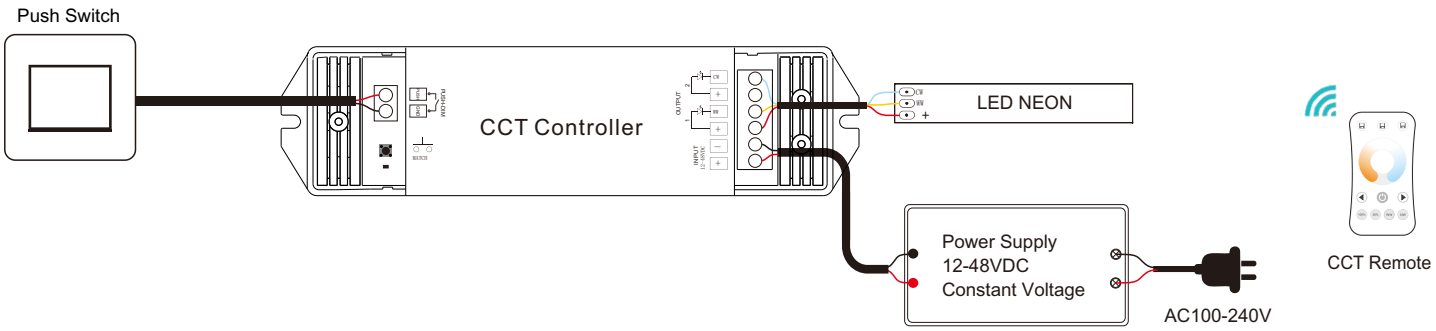
MONO

Input by one end



WIRING ELECTRICAL DIAGRAM

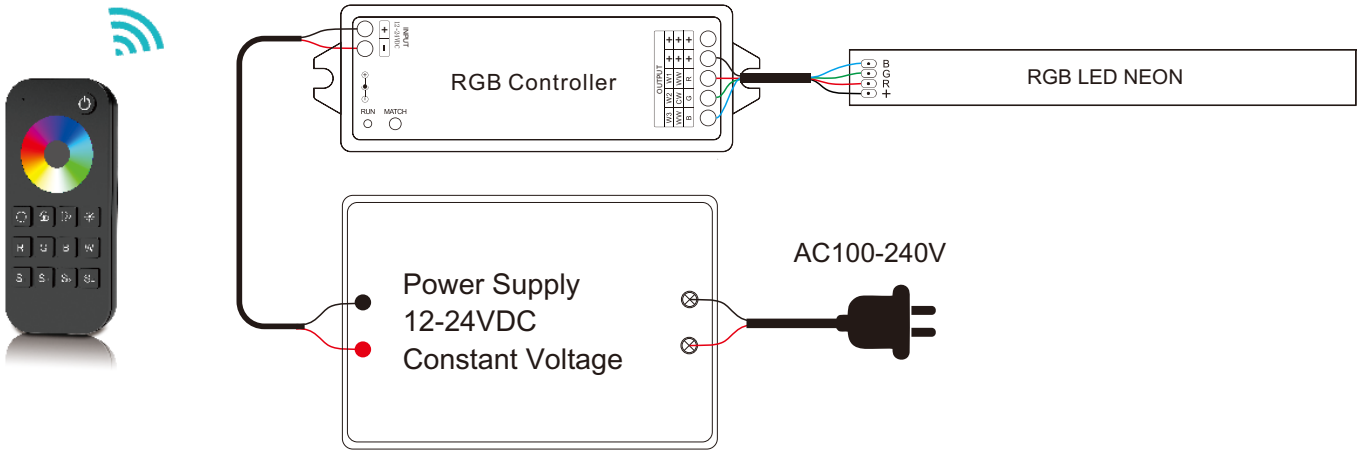
Tunable white



VL-CBSI1616-W (Cubic series - top bend)

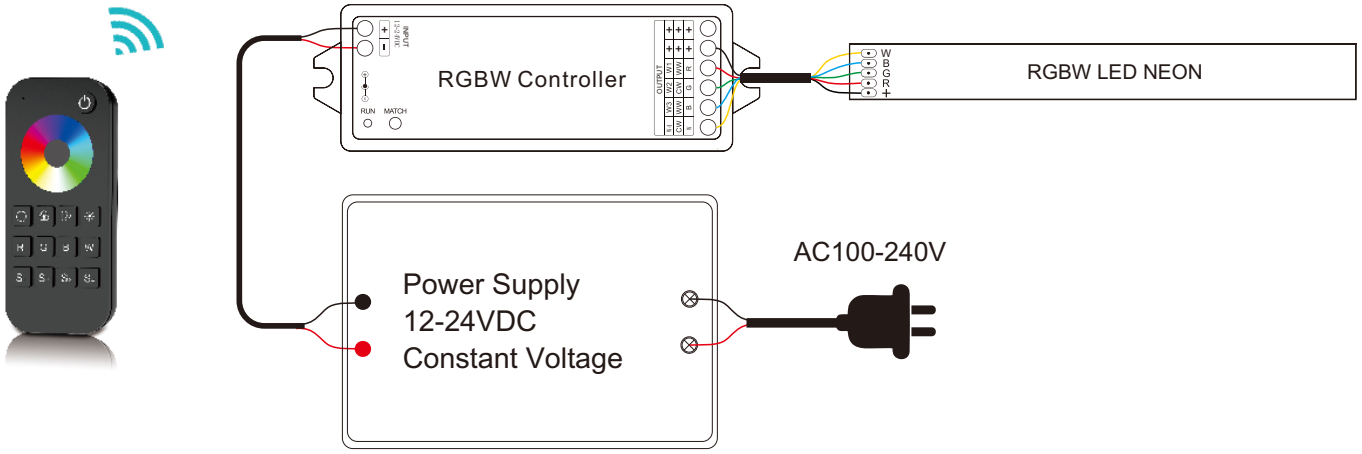
WIRING ELECTRICAL DIAGRAM

RGB



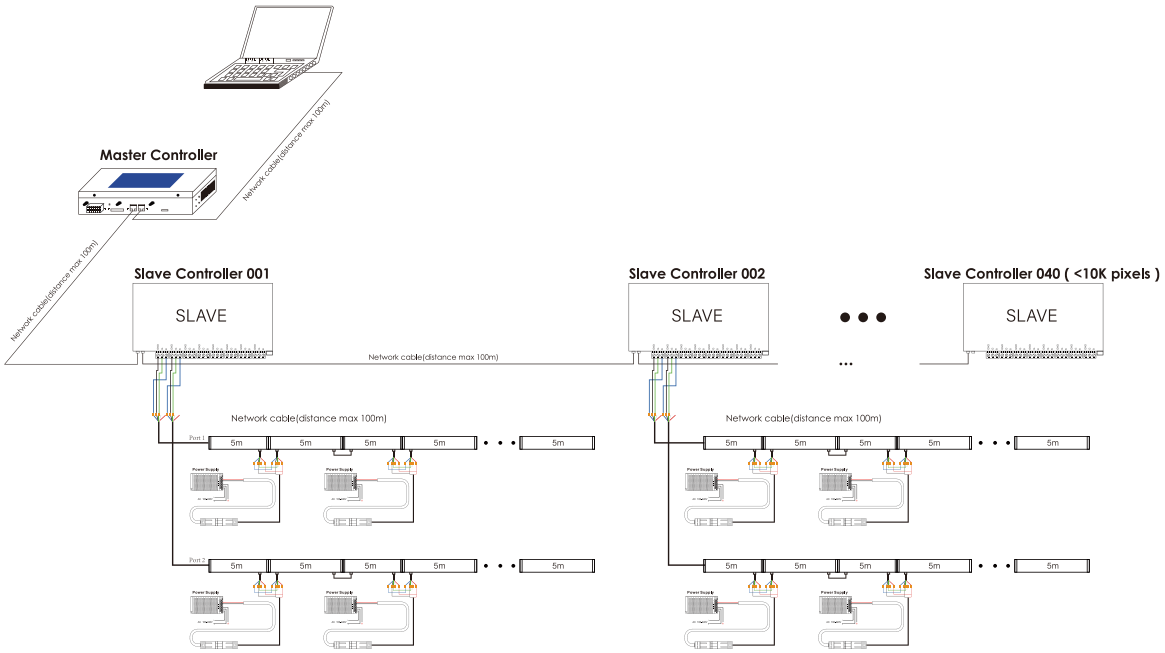
WIRING ELECTRICAL DIAGRAM

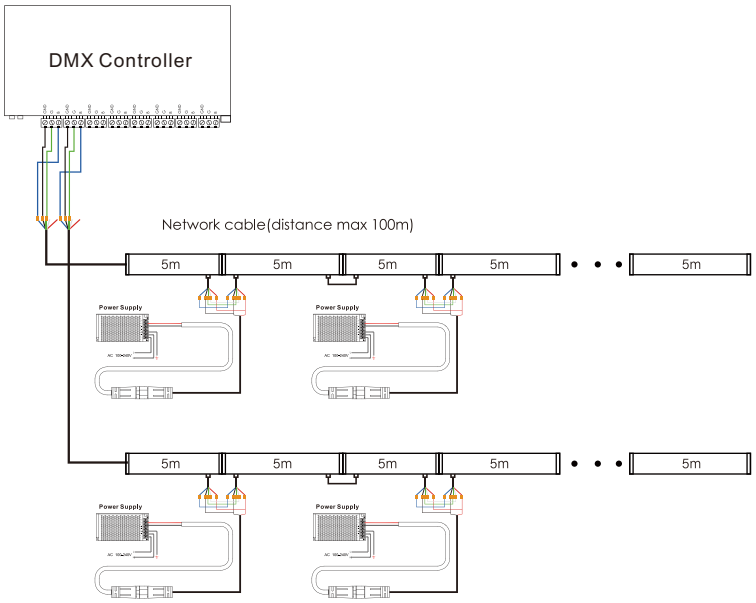
RGBW



WIRING ELECTRICAL DIAGRAM

RGBW-DMX-Online



WIRING ELECTRICAL DIAGRAM

RGBW-DMX-Offline