

VL-SI2020-3D (Max 3D series - dual bend)

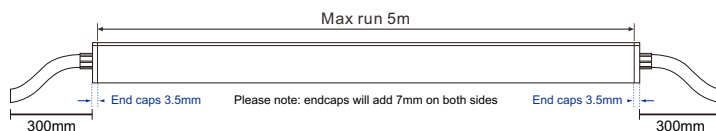
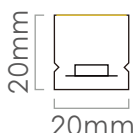
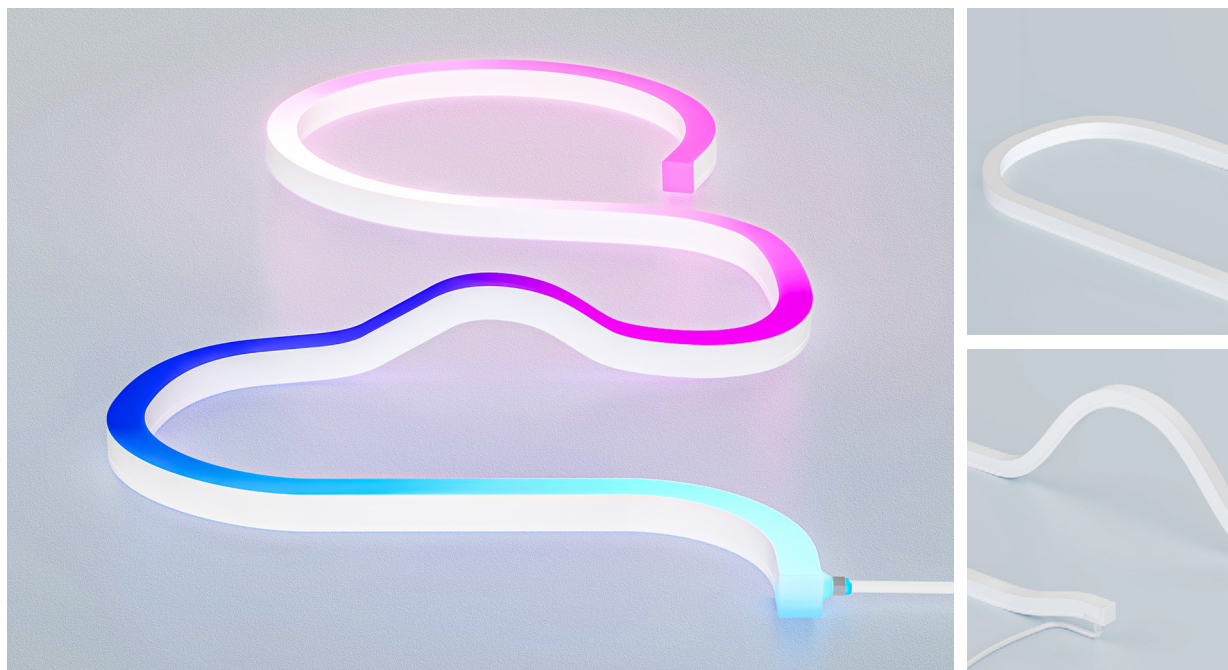


Free-bend - Flex Neon 24V

14.4W/m | 3000K CRI>90 | 720Lm/m

14.4W/m | RGBW | 504Lm/m

PROJECT		REFERENCE TYPE	
SPECIFIED BY		QUANTITY	
DATE		NOTE	



Cable Specs:
Mono: 2*18AWG UL
TW: 3*20AWG UL
RGB: 4*22AWG UL
RGBW: 5*22AWG UL



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-SI2020-3D (Max 3D series - dual bend)



SPECIFICATION LOGIC

FAMILY	POWER W/m	NOMINAL LENGTH	Light Color	INPUT VOLTAGE	CABLE ENTRY	IP RATING
VL-SI2020-3D	14.4W/m	Max.run length - 5m	MONO TW RGB RGBW SPI DMX	24VDC	FF - Front + Front SS - Side + Side BB - Bottom + Bottom FX - Front + Closed SX - Side + Closed BX - Bottom + Closed	IP67

Order example: VL-SI2020-3D-927K-5m-SS

PRODUCT SPECIFICATIONS

		Standard
Electrical	Series Part Number	VL-SI2020-3D-930K-14.4W
	Power	14.4W/m
	Input Voltage	24VDC
Physical	Minimum Length	Free-cut
	Width x Height	20mm x 20mm
	Body Finish	Premium silicone / white
	Bend Direction	Side and Top bending
	Bend Radius	140mm(curve), 100mm(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	0-10V or PWM or Dali
	Lumen Output	720Lm/m(3000K) 757Lm/m(4000K) 805Lm/m(6500K)
	Efficacy	50Lm/W(CRI90, 3000K)
	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-SI2020-3D (Max 3D series - dual bend)



PRODUCT SPECIFICATIONS

		Tunable white
Electrical	Series Part Number	VL-SI2020-3D-TW-14.4W
	Power	14.4W/m
	Input Voltage	24VDC
Physical	Minimum Length	Free-cut
	Width x Height	20mm x 20mm
	Body Finish	Premium silicone / white
	Bend Direction	Side and Top bending
	Bend Radius	140mm(curve), 100mm(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	324Lm/m(2700K) 720Lm/m(3000K) 360Lm/m(6500K)
	Efficacy	50Lm/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

		RGB
Electrical	Series Part Number	VL-SI2020-3D-RGB-14.4W
	Power	14.4W/m
	Input Voltage	24VDC
Physical	Minimum Length	62.5mm
	Width x Height	20mm x 20mm
	Body Finish	Premium silicone / white
	Bend Direction	Side and Top bending
	Bend Radius	140mm(curve), 100mm(wave)
	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	RGB: 316Lm/m
	Efficacy	22Lm/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-SI2020-3D (Max 3D series - dual bend)



PRODUCT SPECIFICATIONS

		RGBW
Electrical	Series Part Number	VL-SI2020-3D-RGBW-14.4W
	Power	14.4W/m
	Input Voltage	24VDC
Physical	Minimum Length	62.5mm
	Width x Height	20mm x 20mm
	Body Finish	Premium silicone / white
	Bend Direction	Side and Top bending
	Bend Radius	140mm(curve), 100mm(wave)
	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: 504Lm/m
	Efficacy	35Lm/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

		RGBW-SPI
Electrical	Series Part Number	VL-SI2020-3D-PXSRGB-14.4W
	Power	14.4W/m
	Input Voltage	24VDC
Physical	Minimum Length	62.5mm
	Width x Height	20mm x 20mm
	Body Finish	Premium silicone / white
	Bend Direction	Side and Top bending
	Bend Radius	140mm(curve), 100mm(wave)
	Qty of LED	96LEDs/m
	No. of Pixels	16pixels/m, IC code UCS8904
	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-SI2020-3D (Max 3D series - dual bend)



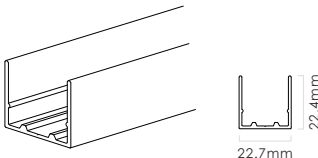
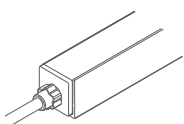
PRODUCT SPECIFICATIONS 		
		RGBW-DMX
Electrical	Series Part Number	VL-SI2020-3D-PXRGBW-14.4W
	Power	14.4W/m
	Input Voltage	24VDC
Physical	Minimum Length	62.5mm
	Width x Height	20mm x 20mm
	Body Finish	Premium silicone / white
	Bend Direction	Side and Top bending
	Bend Radius	140mm(curve), 100mm(wave)
	Qty of LED	96LEDs/m
	No. of Pixels	16pixels/m, IC code UCS512H4
	Cable Entry Options	Front, Side, Bottom
	Fixture Connections	IP67 injection-moulded input and end cap
Optical	LED Type	5050 LED
	Control Protocol	DMX512
	Lumen Output	RGBW: 288Lm/m
	Efficacy	20Lm/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-SI2020-3D (Max 3D series - dual bend)

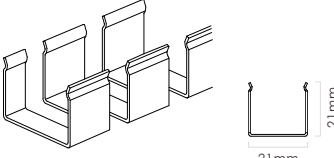
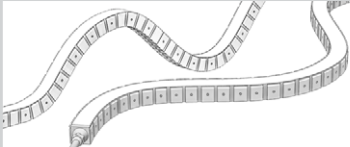


PROFILES AND MOUNTING OPTIONS

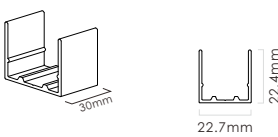
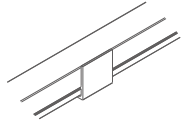
FIXED ALUMINUM PROFILE

	EXAMPLES OF INSTALLATION	PART NUMBER	DETAILS
		2020-FAP-_____MM	FAP- Fixed aluminum profile

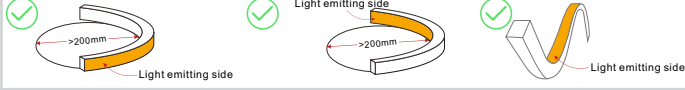
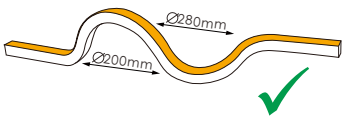
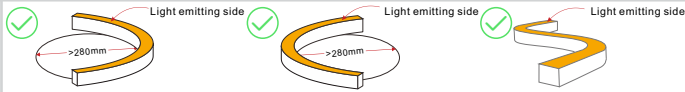
BENDABLE STAINLESS STEEL PROFILE

	EXAMPLES OF INSTALLATION	PART NUMBER	DETAILS
		2020-BSP-_____MM	BSP- Bendable stainless steel profile

MOUNTING CLIPS

	EXAMPLES OF INSTALLATION	PART NUMBER	DETAILS
		2020-MC	MC- Mounting clips

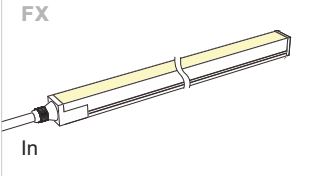
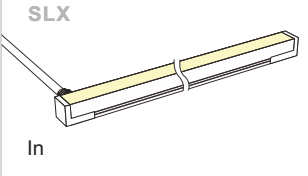
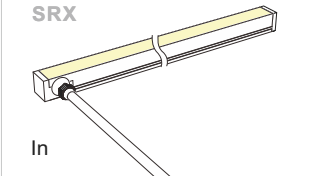
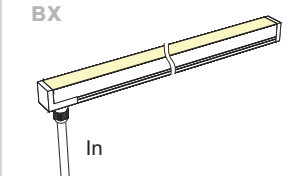
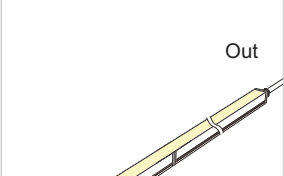
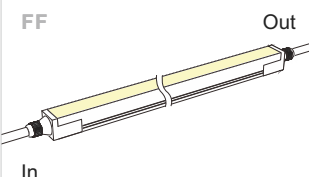
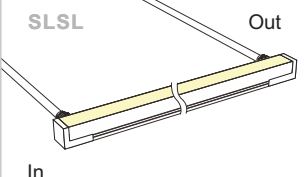
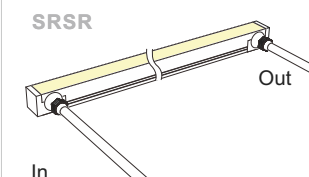
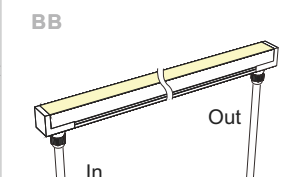
MIN. BENDING DIAMETER INSTRUCTION

Bending in wave form - vertical		
Bending in curve form - horizontal		

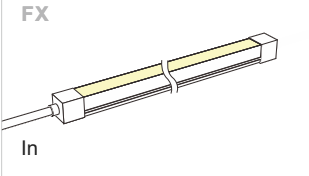
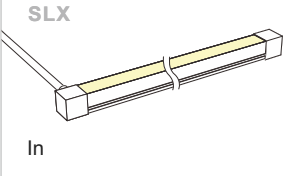
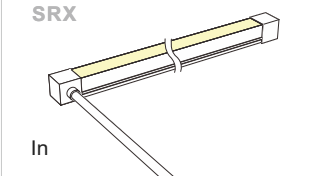
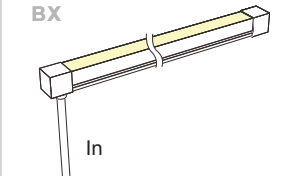
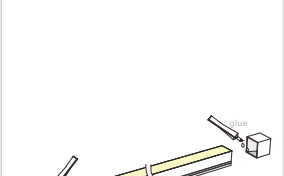
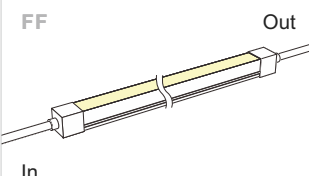
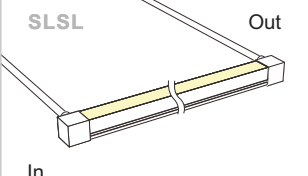
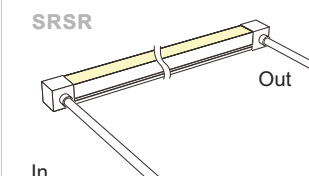
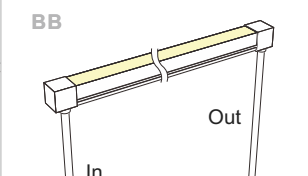
VL-SI2020-3D (Max 3D series - dual bend)



CABLE ENTRY OPTION EXAMPLES INTEGRATED EXTRUSION

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

CABLE ENTRY OPTION EXAMPLES PLUG-IN CAP

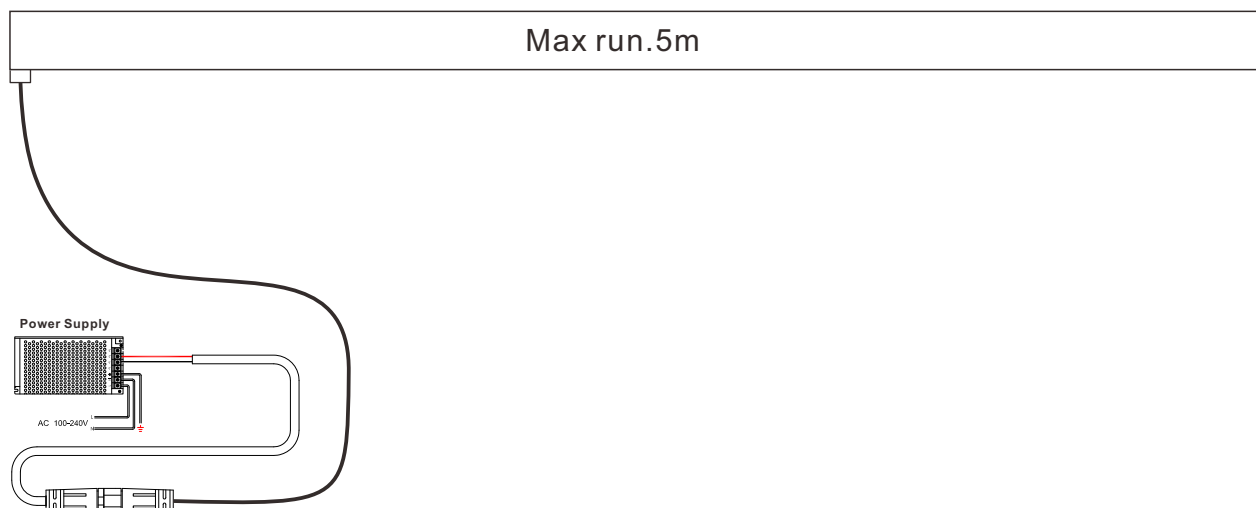
F-FRONT	S-SIDE-LEFT	S-SIDE-RIGHT	B-BOTTOM	DIY
FX 	SLX 	SRX 	BX 	
FF 	SLSL 	SRSR 	BB 	

VL-SI2020-3D (Max 3D series - dual bend)

WIRING ELECTRICAL DIAGRAM

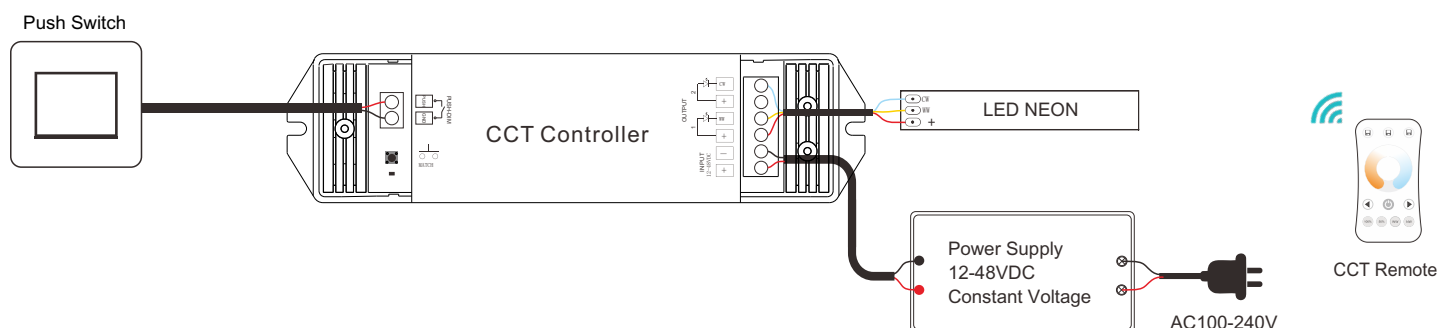
MONO

Input by one end



WIRING ELECTRICAL DIAGRAM

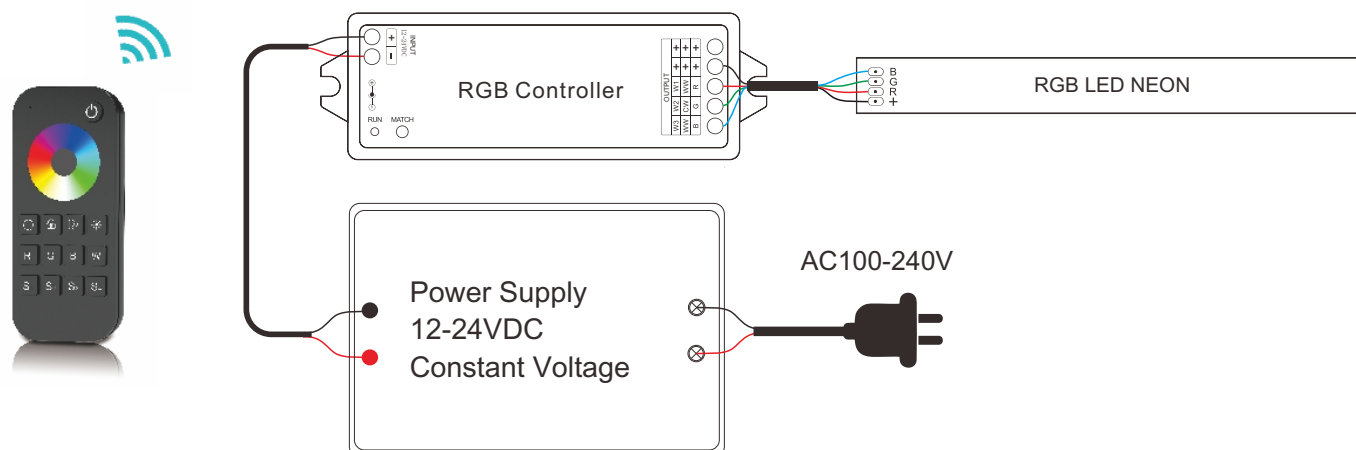
Tunable white



VL-SI2020-3D (Max 3D series - dual bend)

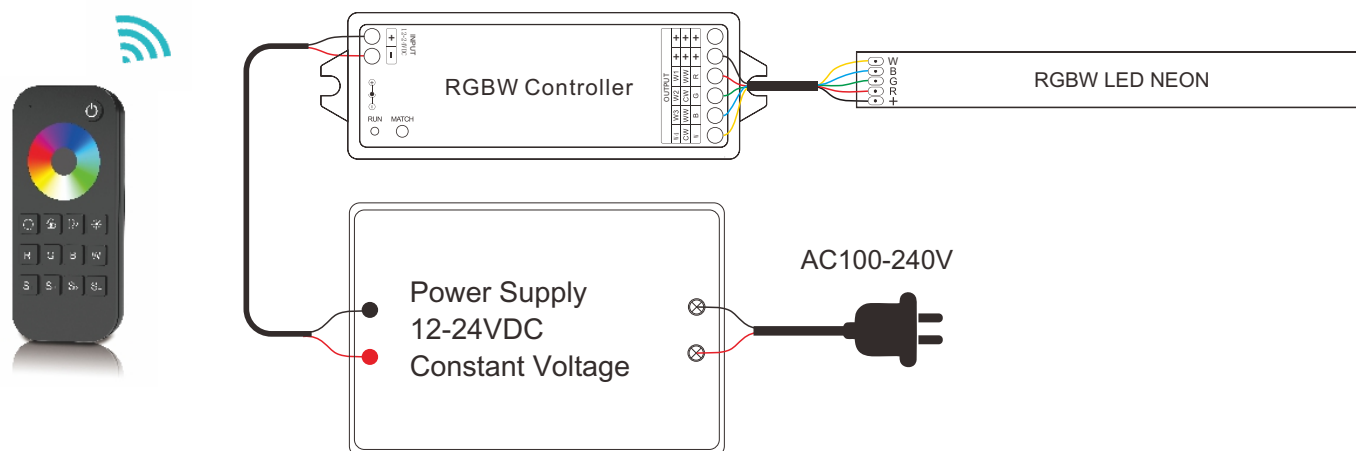
WIRING ELECTRICAL DIAGRAM

RGB



WIRING ELECTRICAL DIAGRAM

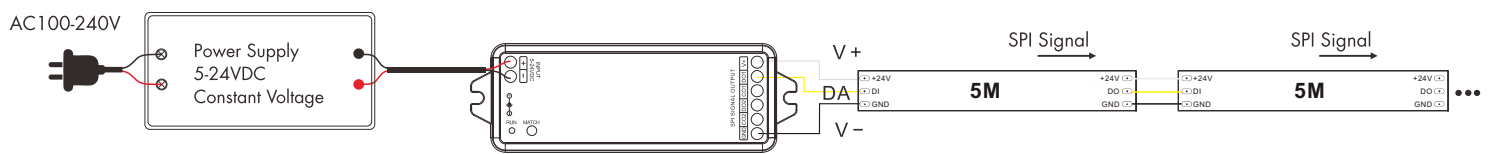
RGBW



VL-SI2020-3D (Max 3D series - dual bend)

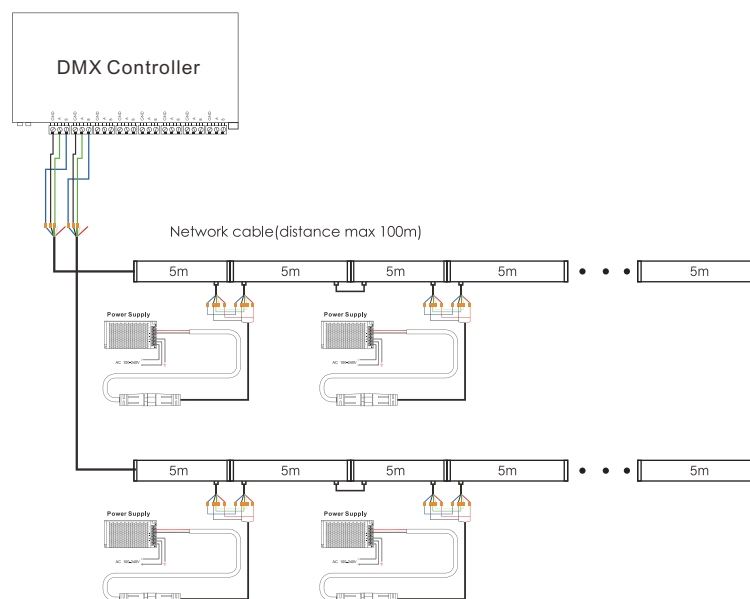
WIRING ELECTRICAL DIAGRAM

RGB-SPI



WIRING ELECTRICAL DIAGRAM

RGBW-DMX-Offline



VL-SI2020-3D (Max 3D series - dual bend)

WIRING ELECTRICAL DIAGRAM

RGBW-DMX-Online

