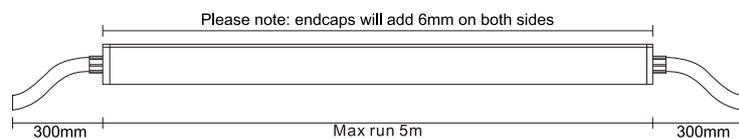
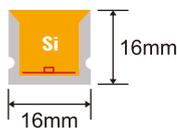
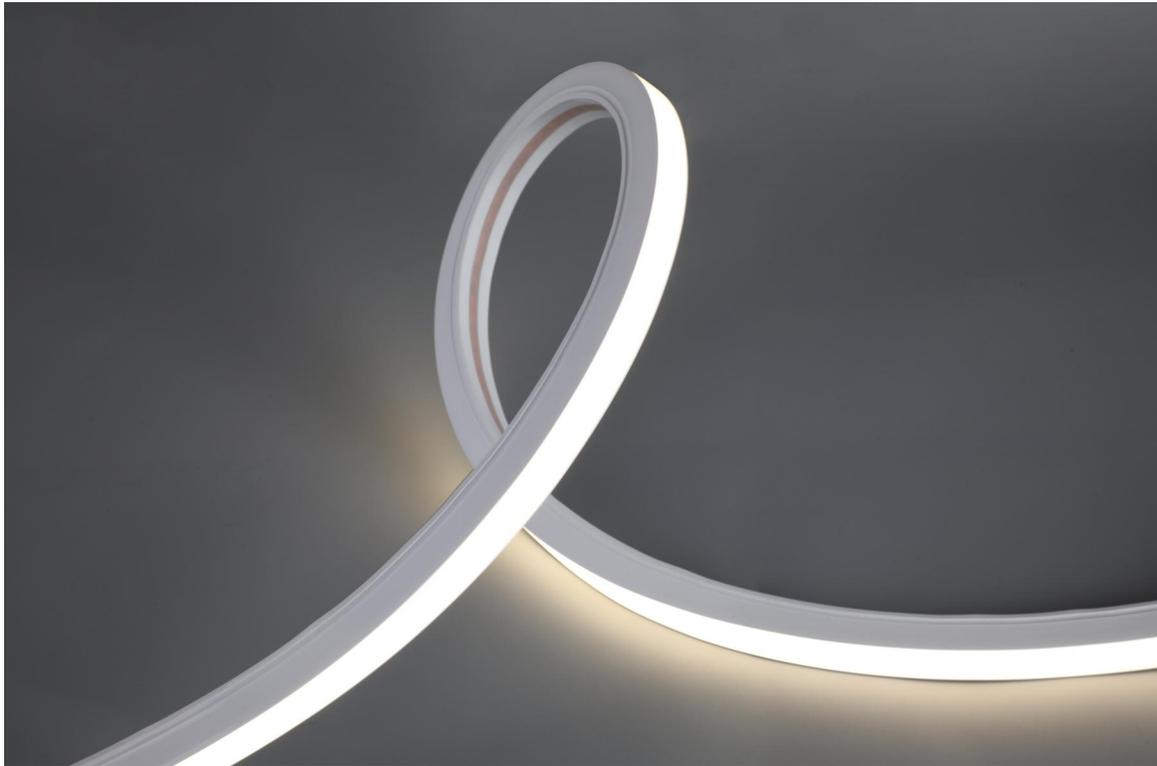


VL-SI1616-W (Pro Wave series - top bend)



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-W (Pro Wave series - top bend)



SPECIFICATION LOGIC

FAMILY	POWER W/m	NOMINAL LENGTH	Light Color	INPUT VOLTAGE	CABLE ENTRY	IP RATING
VL-SI1616-W	14W/m	Maximum length - 5m	MONO  TW  RGB  RGBW  DMX  RGBTW 	24VDC	FF - Front + Front SS - Side + Side BB - Bottom + Bottom FX - Front + Closed SX - Side + Closed BX - Bottom + Closed	IP67

Order example: VL-SI1616-W-927K-5m-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	75mm		
	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	646Lm/m(3000K)	680Lm/m(4000K)	732Lm/m(6500K)
	Efficacy	48Lm/W(CRI90, 4000K)		
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-W (Pro Wave 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	75mm
	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	280Lm/m(2700K) 630Lm/m(4000K) 315Lm/m(6500K)
	Efficacy	45Lm/W(CRI90, 4000K)
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	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	75mm
	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	PWM or Dali
	Lumen Output	RGB: 252Lm/m
	Efficacy	18Lm/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-W (Pro Wave 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	75mm
	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	PWM or Dali
	Lumen Output	RGBW: 387Lm/m
	Efficacy	27Lm/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 		
		RGBTW
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	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	RGBTW: 420Lm/m
	Efficacy	30Lm/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-W (Pro Wave series - top bend)



PRODUCT SPECIFICATIONS 		
		RGBW-SPI
Electrical	Power	14W/m
	Input Voltage	24VDC
Physical	Minimum Length	125mm
	Width x Height	16mm x 16mm
	Body Finish	Premium silicone / white
	Bend Direction	Vertical (top bending)
	Bend Radius	75mm
	Qty of LED	96LEDs/m
	No. of Pixels	16pixels/m, IC code UCS2904
	Cable Entry Options	Front, Side, Bottom
Optical	Fixture Connections	IP67 injection-moulded input and end cap
	LED Type	5050 LED
	Control Protocol	SPI
	Lumen Output	RGBW: 350Lm/m
	Efficacy	25Lm/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-DMX
Electrical	Power	14W/m
	Input Voltage	24VDC
Physical	Minimum Length	125mm
	Width x Height	16mm x 16mm
	Body Finish	Premium silicone / white
	Bend Direction	Vertical (top bending)
	Bend Radius	75mm
	Qty of LED	96LEDs/m
	No. of Pixels	16pixels/m, IC code UCS 512H4LB
	Cable Entry Options	Front, Side, Bottom
Optical	Fixture Connections	IP67 injection-moulded input and end cap
	LED Type	5050 LED
	Control Protocol	DMX512
	Lumen Output	RGBW: 350Lm/m
	Efficacy	25Lm/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-W (Pro Wave 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

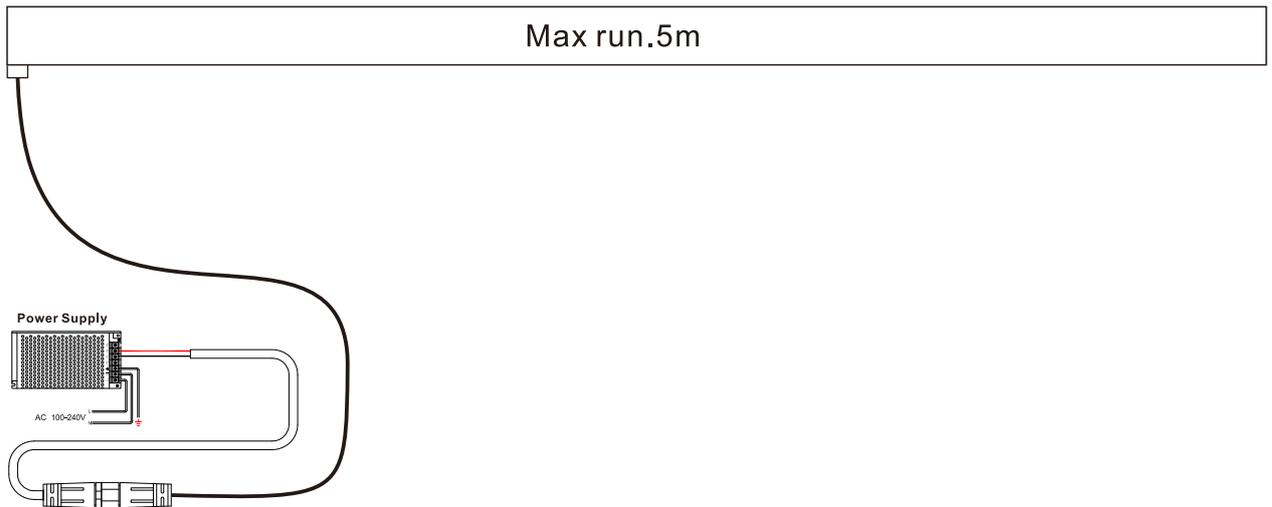
Bending in wave form - vertical		DO NOT TWIST
DO NOT bend in curve form - horizontal		

VL-SI1616-W (Pro Wave series - top bend)

WIRING ELECTRICAL DIAGRAM

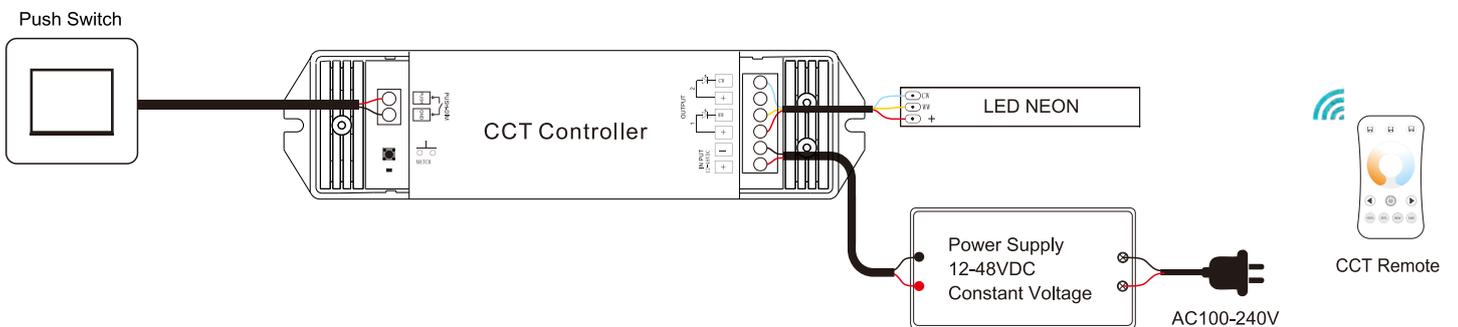
MONO

Input by one end



WIRING ELECTRICAL DIAGRAM

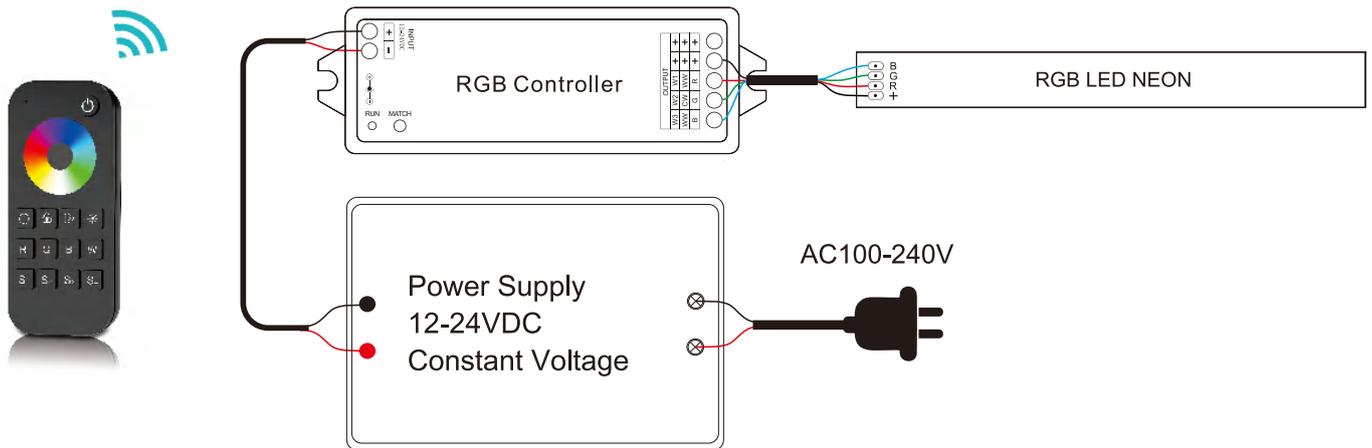
Tunable white



VL-SI1616-W (Pro Wave series - top bend)

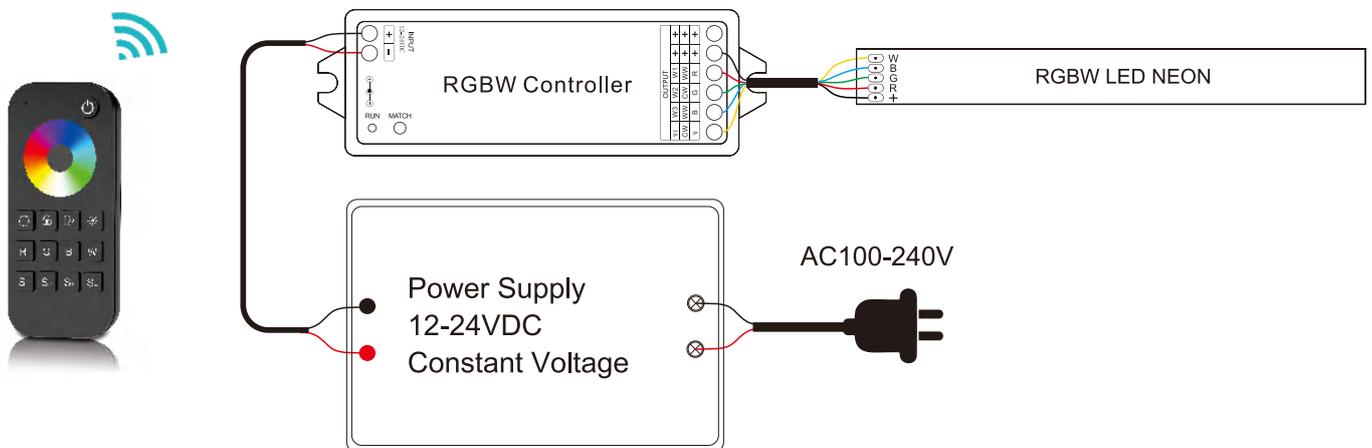
WIRING ELECTRICAL DIAGRAM

RGB



WIRING ELECTRICAL DIAGRAM

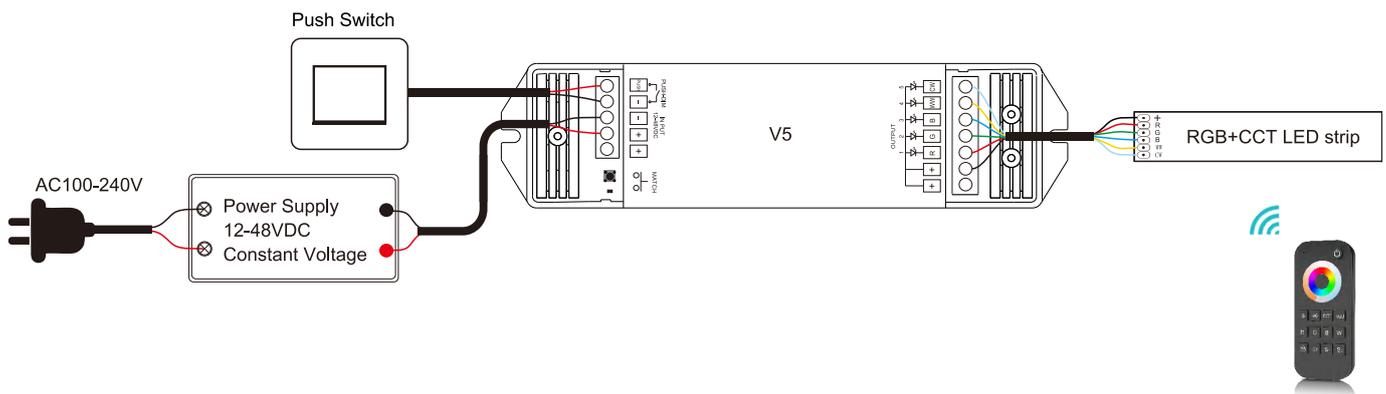
RGBW



VL-SI1616-W (Pro Wave series - top bend)

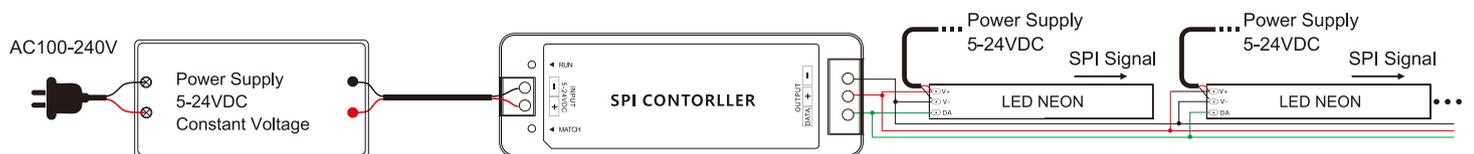
WIRING ELECTRICAL DIAGRAM

RGBTW



WIRING ELECTRICAL DIAGRAM

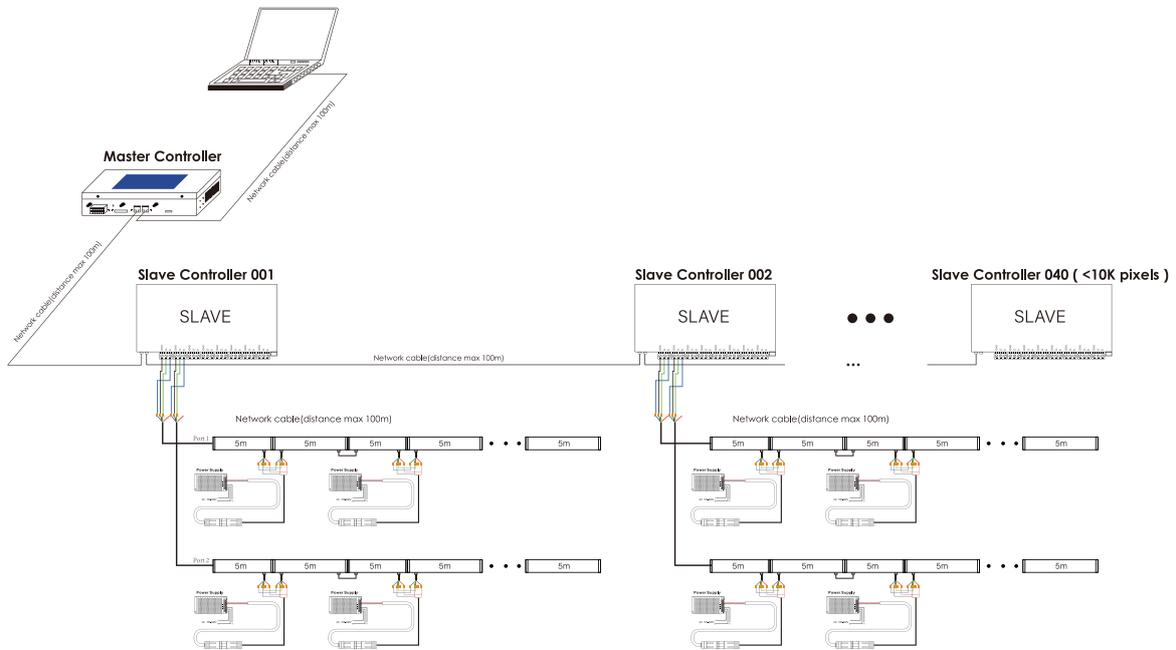
RGBW-SPI



VL-SI1616-W (Pro Wave series - top bend)

WIRING ELECTRICAL DIAGRAM

RGBW-DMX-Online



WIRING ELECTRICAL DIAGRAM

RGBW-DMX-Offline

