VL-LRSI1220-C (Long Run series - side bend)

20mm
11.5mm

Please note: endcaps will add 6mm on both sides

300mm | Max run 50m | 300mm

CE | IP 67 | 0-10V | 120° | UV resistant | OUTDOOR | 50M RUNS
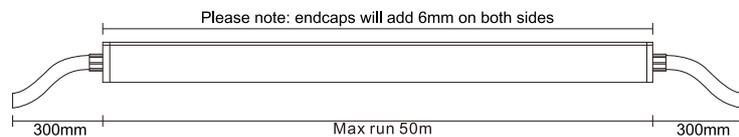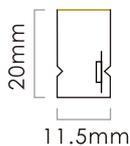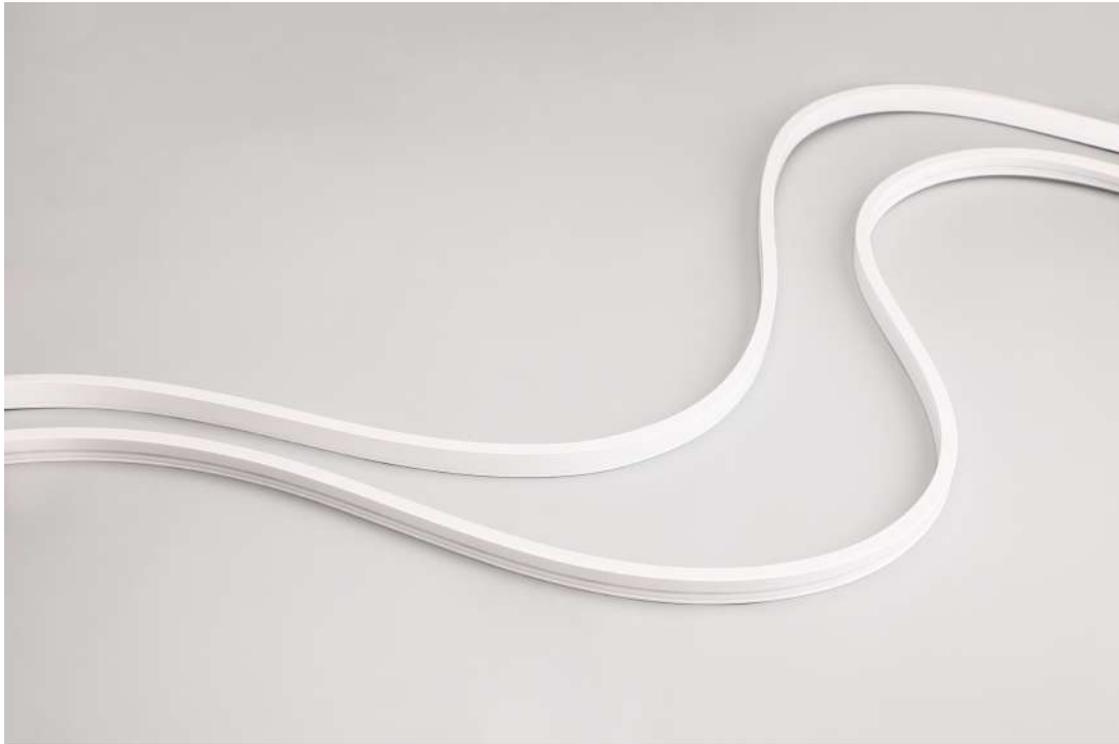
FEATURES

Long run series up to 50m by one input, extrusion silicone LED flexible neon, for outdoor and indoor architectural 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

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-LRSI1220-C (Long Run series - side bend)

SPECIFICATION LOGIC

FAMILY	POWER W/m	NOMINAL LENGTH	CCT	INPUT VOLTAGE	CABLE ENTRY	IP RATING
VL-LRSI1220-C	4.8W/m 5W/m 9.6W/m 10W/m 14W/m 14.4W/m	Maximum length - 50m	MONO ⬤ RGB 🔴 RGBW 🔵 DMX 🔵	24VDC 48VDC	FF - Front + Front SS - Side + Side BB - Bottom + Bottom FX - Front + Closed SX - Side + Closed BX - Bottom + Closed	IP67

Order example: VL-LRSI1220-C-927K-50m-FX

PRODUCT SPECIFICATIONS ⬤

		Standard		
Electrical	Power	4.8W/m(24V)	9.6W/m(24/48V)	14.4W/m(24/48V)
	Input Voltage	24VDC	48VDC	
Physical	Minimum Length	50mm	100mm	
	Width x Height	11.5mm x 20mm		
	Body Finish	Premium silicone / white		
	Bend Direction	Horizontal (side bending)		
	Bend Radius	150mm		
	Qty of LED	120LEDs/m		
	Max run length	50m	30m(24V)/50m(48V)	20m(24V)/35m(48V)
	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	3000K: 165Lm/m	3000K: 329Lm/m	3000K: 480Lm/m
	Efficacy	34Lm/W(CRI90, 3000K)		
	Lumen Maintenance	L70B10@54,000 hours		
Temperature Range	Storage Temperature	-25°C min, 60°C max		
	Max Ambient Temperature	50°C		
	Min Ambient Temperature	-25°C		

VL-LRSI1220-C (Long Run series - side bend)

PRODUCT SPECIFICATIONS

		RGB
Electrical	Power	5W/m
	Input Voltage	24VDC
Physical	Minimum Length	62.5mm
	Width x Height	11.5mm x 20mm
	Body Finish	Premium silicone / white
	Bend Direction	Horizontal (side bending)
	Bend Radius	150mm
	Qty of LED	96LEDs/m
	Max run length	20m
	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: 75Lm/m
	Efficacy	15Lm/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
Electrical	Power	10W/m
	Input Voltage	48VDC
Physical	Minimum Length	125mm
	Width x Height	11.5mm x 20mm
	Body Finish	Premium silicone / white
	Bend Direction	Horizontal (side bending)
	Bend Radius	150mm
	Qty of LED	96LEDs/m
	Cable Entry Options	Front, Side, Bottom
	Max run length	26m
	Fixture Connections	IP67 injection-moulded input and end cap
Optical	LED Type	4040 LED
	Control Protocol	PWM or Dali
	Lumen Output	RGBW: 150Lm/m
	Efficacy	15Lm/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	10W/m	14W/m
	Input Voltage	48VDC	
Physical	Minimum Length	125mm	
	Width x Height	11.5mm x 20mm	
	Body Finish	Premium silicone / white	
	Bend Direction	Horizontal (side bending)	
	Bend Radius	150mm	
	Qty of LED	96LEDs/m	
	No. of Pixels	8pixels/m, IC code UCS512L1	
	Max run length	20m	15m
	Fixture Connections	IP67 injection-moulded input and end cap	
Optical	LED Type	4040 LED	
	Control Protocol	DMX512	
	Lumen Output	RGBW: 140Lm/m	
	Efficacy	14Lm/W	
	Lumen Maintenance	L70B10@54,000 hours	
Temperature Range	Storage Temperature	-25℃min, 60℃max	
	Max Ambient Temperature	50℃	
	Min Ambient Temperature	-25℃	

CABLE ENTRY OPTION EXAMPLES

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

PROFILES AND MOUNTING OPTIONS

FIXED ALUMINUM PROFILE

	EXAMPLES OF INSTALLATION	PART NUMBER	DETAILS
21mm / 14mm		**1220-FAP-_____*MM**	**FAP-** Fixed aluminum profile

BENDABLE STAINLESS STEEL PROFILE

	EXAMPLES OF INSTALLATION	PART NUMBER	DETAILS
21mm / 13mm		**1220-BSP-_____*MM**	**BSP-** Bendable stainless steel profile

MOUNTING CLIPS

	EXAMPLES OF INSTALLATION	PART NUMBER	DETAILS
30mm / 21mm / 14mm		**1220-MC**	**MC-** Mounting clips

BENDING INSTRUCTION

Bending in CURE form - horizontal	✓ Light emitting side >150mm ✓ Light emitting side >150mm ✓ Light emitting side	**DO NOT TWIST**
DO NOT bend in wave form - vertical	✗ Light emitting side ✗ Light emitting side ✗ Light emitting side	⊗

VL-LRSI1220-C (Long Run series - side bend)

WIRING ELECTRICAL DIAGRAM

MONO

Input by one end
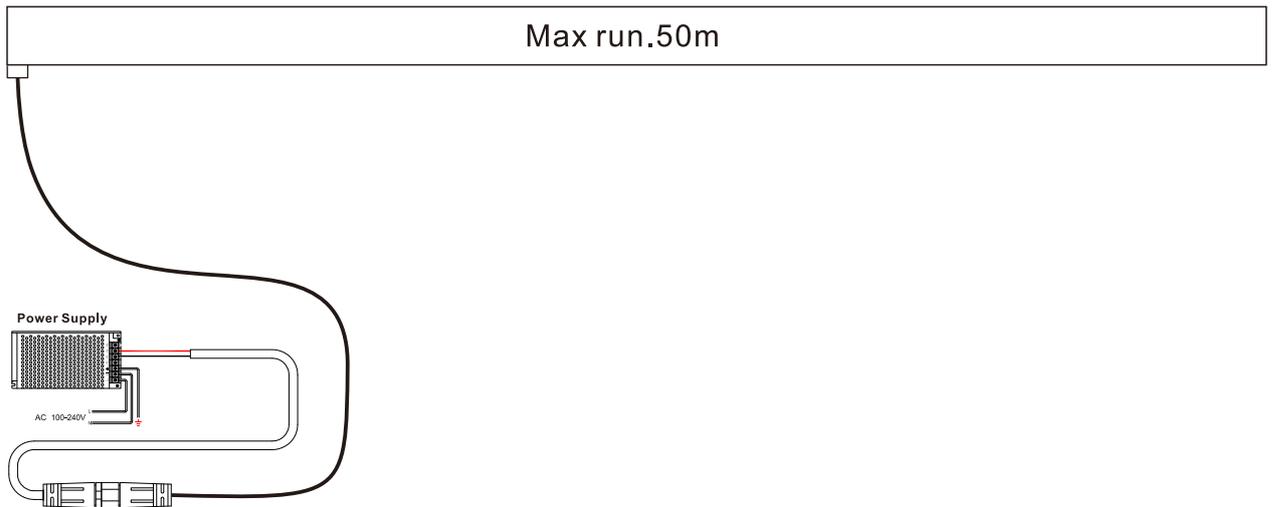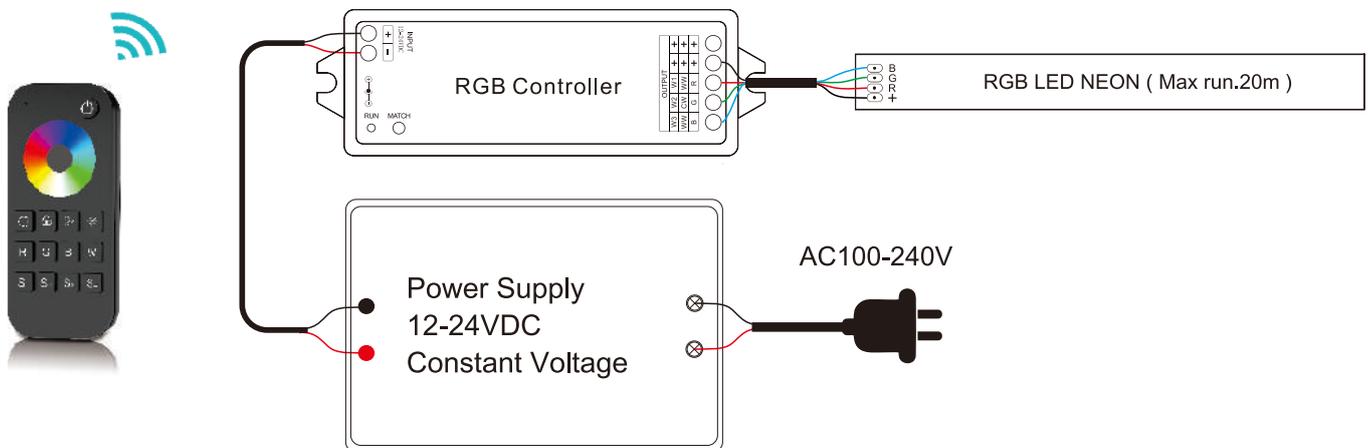
Max run.50m

Power Supply

AC 100-240V

WIRING ELECTRICAL DIAGRAM

RGB

RGB Controller

INPUT
12-24VDC
+ - + -

RUN   MATCH

OUTPUT

RGB LED NEON (Max run.20m)

B
G
R
+

Power Supply
12-24VDC
Constant Voltage

AC100-240V

VL-LRSI1220-C (Long Run series - side bend)

WIRING ELECTRICAL DIAGRAM

RGBW

RGBW Controller

RGBW LED NEON

Power Supply
12-24VDC
Constant Voltage

AC100-240V

WIRING ELECTRICAL DIAGRAM

RGBW-DMX-Online

Master Controller

Slave Controller 001

Slave Controller 002

Slave Controller 040 (<10K pixels)

SLAVE

SLAVE

SLAVE

Network cable(distance max 100m)

Network cable(distance max 100m)

Network cable(distance max 100m)
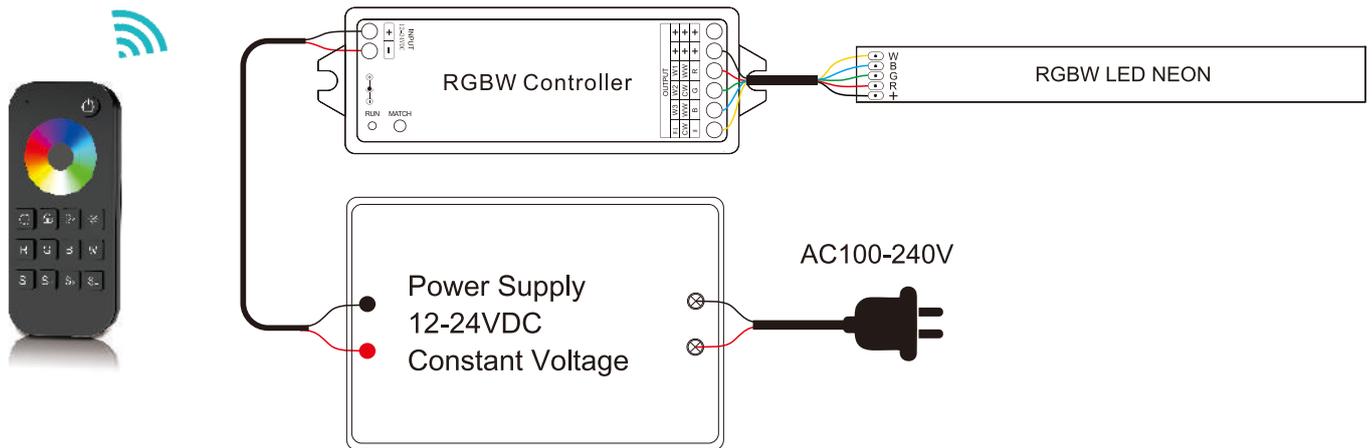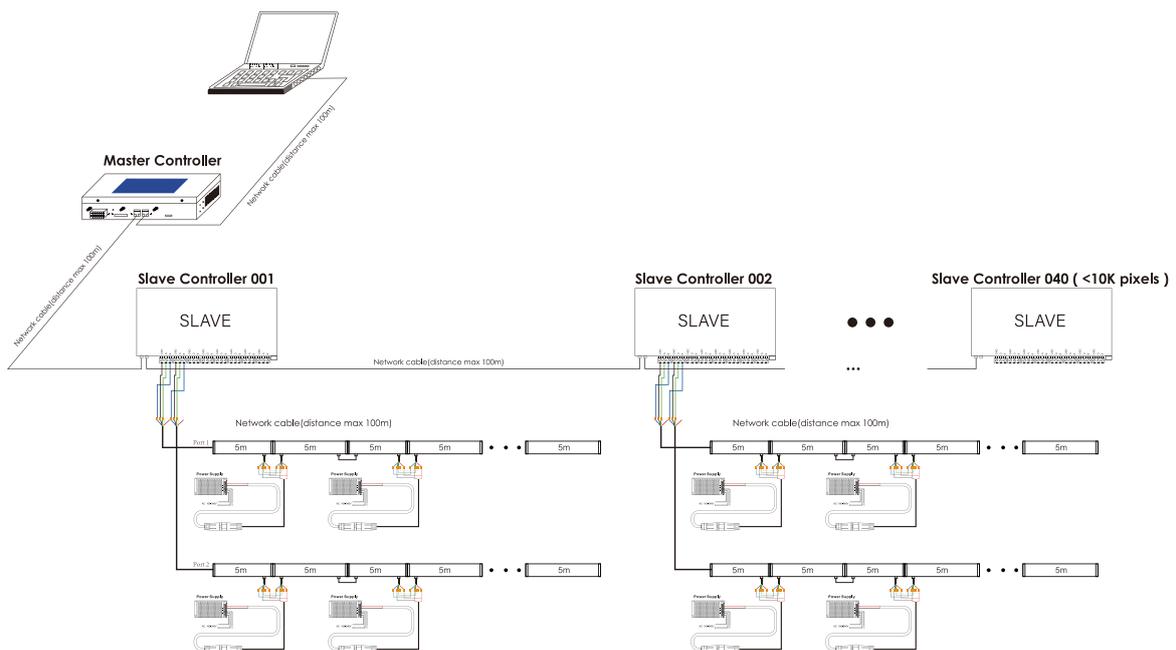
WIRING ELECTRICAL DIAGRAM

RGBW-DMX-Offline