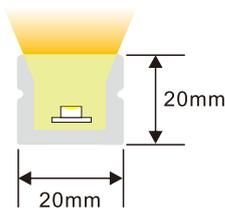
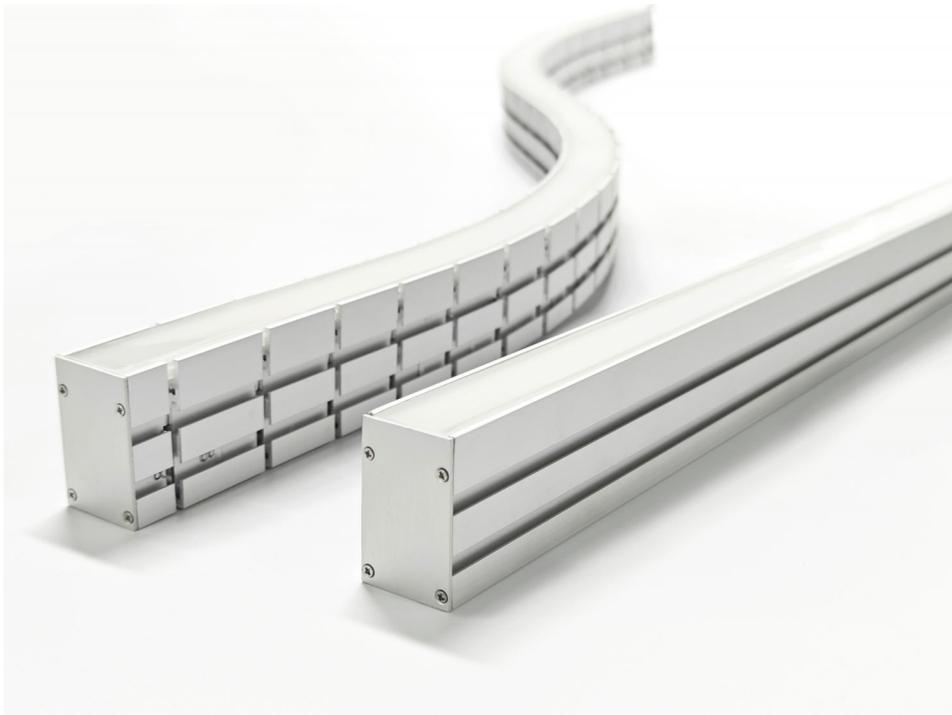


VL-UGSI2020-3D (Inground series - dual bend)



FEATURES

Brand-new in-ground LED linear fixture, TPU cover with self-cleaning, scratch-resistant and withstand high pressure washing 100 bar (1450 psi).

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-UGSI2020-3D (Inground series - dual bend)



SPECIFICATION LOGIC						
FAMILY	POWER W/m	NOMINAL LENGTH	Light Color	INPUT VOLTAGE	CABLE ENTRY	IP RATING
VL-UGSI2020-3D	14W/m 18W/m	Maximum length - 10m	MONO TW RGB RGBW DMX	24VDC	FF - Front + Front SS - Side + Side BB - Bottom + Bottom FX - Front + Closed SX - Side + Closed BX - Bottom + Closed	IP69

Order example: VL-UGSI2020-3D-927K-5m-SS

PRODUCT SPECIFICATIONS				
		MONO		
Electrical	Power	14W/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		
Optical	Fixture Connections	IP69 injection-moulded input and end cap		
	LED Type	2835 LED		
	Control Protocol	0-10V or PWM or Dali		
	Lumen Output	779Lm/m(3000K)	820Lm/m(4000K)	872Lm/m(6500K)
	Efficacy	58Lm/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-UGSI2020-3D (Inground series - dual bend)



PRODUCT SPECIFICATIONS 		
		Tunable white
Electrical	Power	14W/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	IP69 injection-moulded input and end cap
	LED Type	2835 LED
	Control Protocol	0-10V or PWM or Dali
	Lumen Output	379Lm/m(2700K) 420Lm/m(4000K) 446Lm/m(6500K)
	Efficacy	30Lm/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	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	IP69 injection-moulded input and end cap
	LED Type	5050 LED
	Control Protocol	PWM or Dali
	Lumen Output	RGB: 310Lm/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-UGSI2020-3D (Inground series - dual bend)



PRODUCT SPECIFICATIONS 		
		RGBW
Electrical	Power	14W/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	IP69 injection-moulded input and end cap
	LED Type	5050 LED
	Control Protocol	PWM or Dali
	Lumen Output	RGBW: 480Lm/m
	Efficacy	34Lm/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	Power	14W/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	IP69 injection-moulded input and end cap
	LED Type	4040 LED
	Control Protocol	SPI
	Lumen Output	RGBW: 287Lm/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-UGSI2020-3D (Inground series - dual bend)



PRODUCT SPECIFICATIONS 		
		RGBW-DMX
Electrical	Power	18W/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 UCS 512H4LB
	Cable Entry Options	Front, Side, Bottom
	Fixture Connections	IP69 injection-moulded input and end cap
Optical	LED Type	5050 LED
	Control Protocol	DMX512
	Lumen Output	RGBW: 360Lm/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-UGSI2020-3D (Inground series - dual bend)

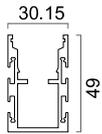


CABLE ENTRY OPTION EXAMPLES CABLE ENTRY OPTION EXAMPLES

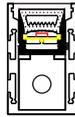
F-FRONT	S-SIDE-LEFT	S-SIDE-RIGHT	B-BOTTOM	SEAMLESS SPLICING
FX 	SLX 	SRX 	BX 	
FF 	SLSL 	SRSR 	BB 	

PROFILES AND MOUNTING OPTIONS

FIXED ALUMINUM PROFILE



EXAMPLES OF INSTALLATION



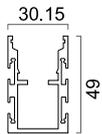
PART NUMBER

VL-3049-FAP-___*MM

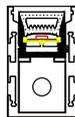
DETAILS

FAP- Fixed aluminum profile

BENDABLE ALUMINUM PROFILE



EXAMPLES OF INSTALLATION



PART NUMBER

VL-3049-BSP-___*MM

DETAILS

BSP- Bendable aluminum profile

TPU COVER



EXAMPLES OF INSTALLATION

-

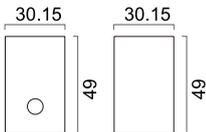
PART NUMBER

CV-TPU-25

DETAILS

CV- TPU cover

END CAP



EXAMPLES OF INSTALLATION

-

PART NUMBER

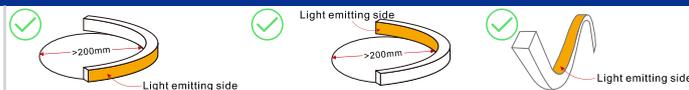
VL-3049-EC
VL-3049-FC

DETAILS

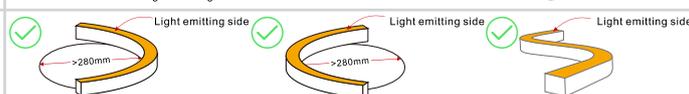
EC- End cap

BENDING INSTRUCTION

Bending in wave form - vertical



Bending in curve form - horizontal



TWIST <180°

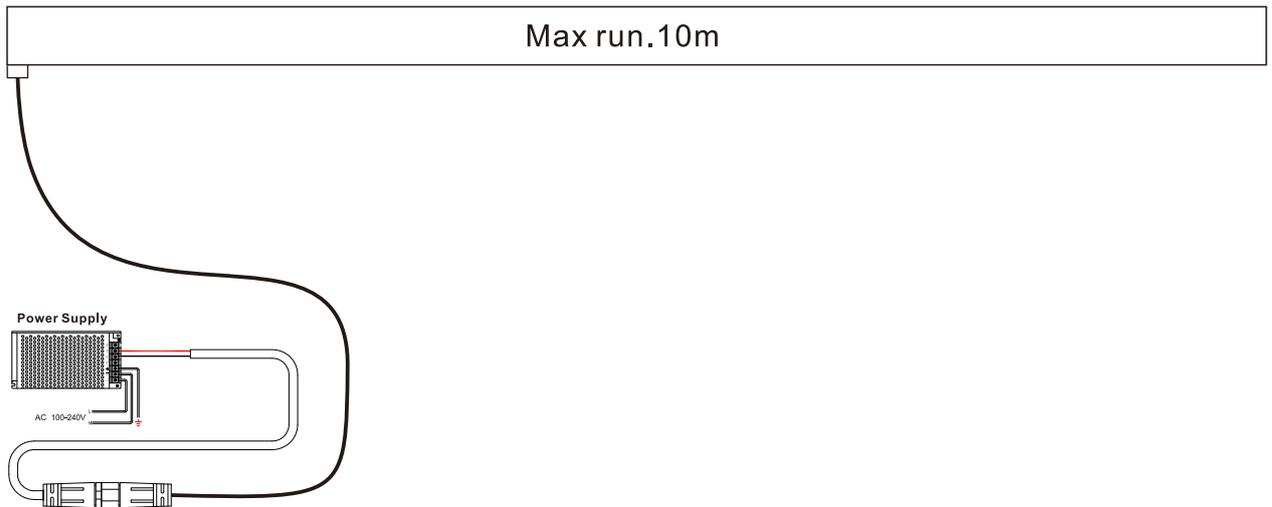


VL-UGSI2020-3D (Inground series - dual bend)

WIRING ELECTRICAL DIAGRAM

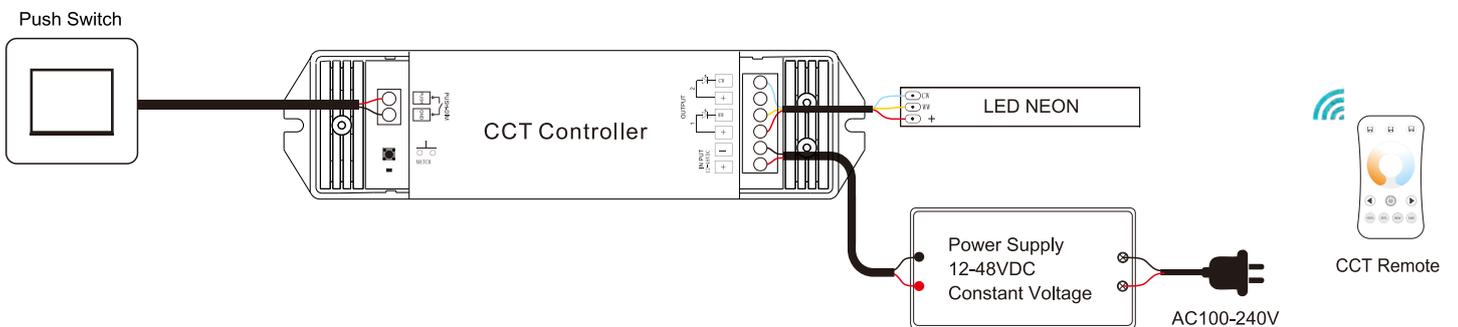
MONO

Input by one end



WIRING ELECTRICAL DIAGRAM

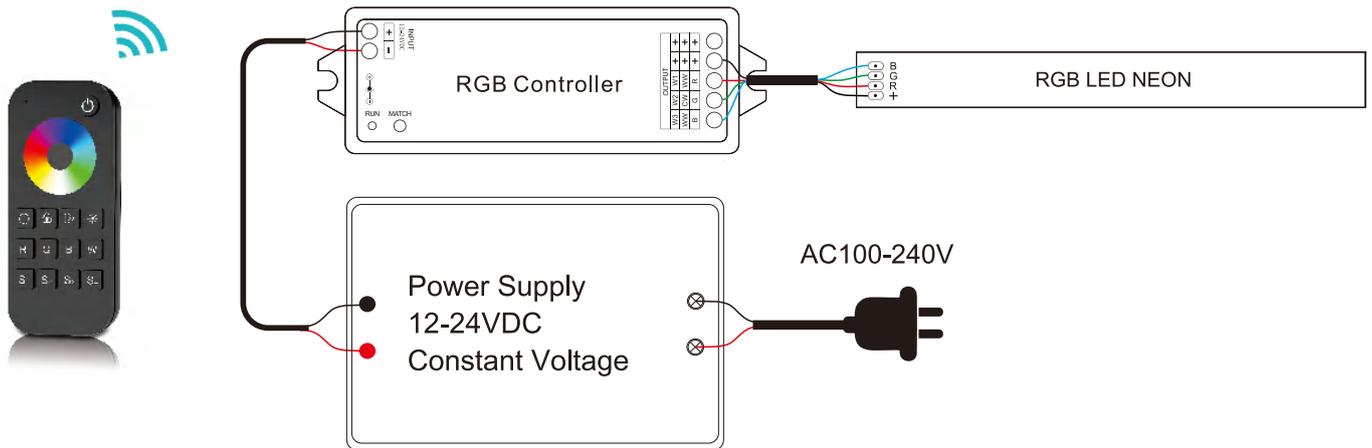
Tunable white



VL-UGSI2020-3D (Inground series - dual bend)

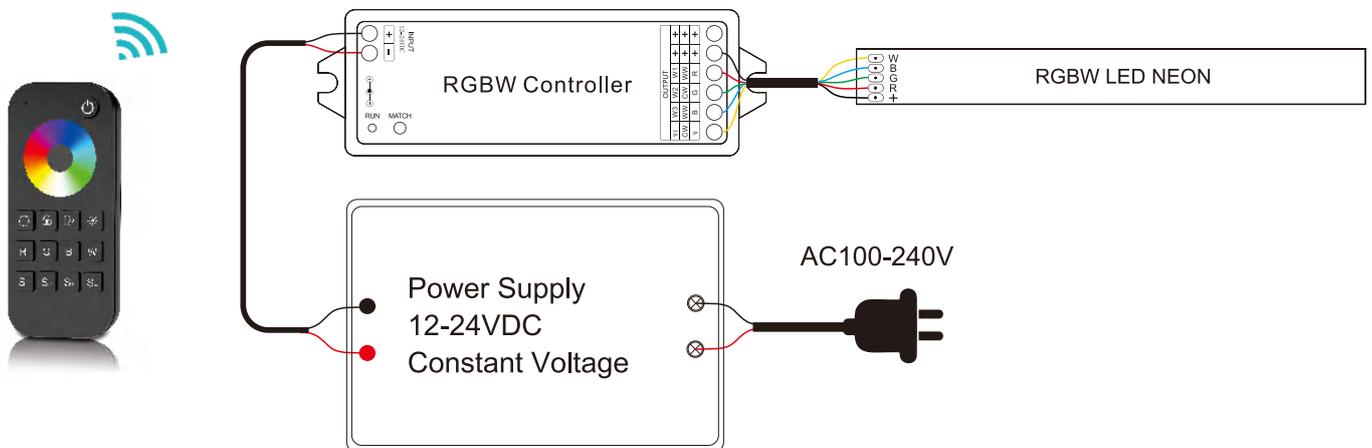
WIRING ELECTRICAL DIAGRAM

RGB



WIRING ELECTRICAL DIAGRAM

RGBW



VL-UGSI2020-3D (Inground series - dual bend)

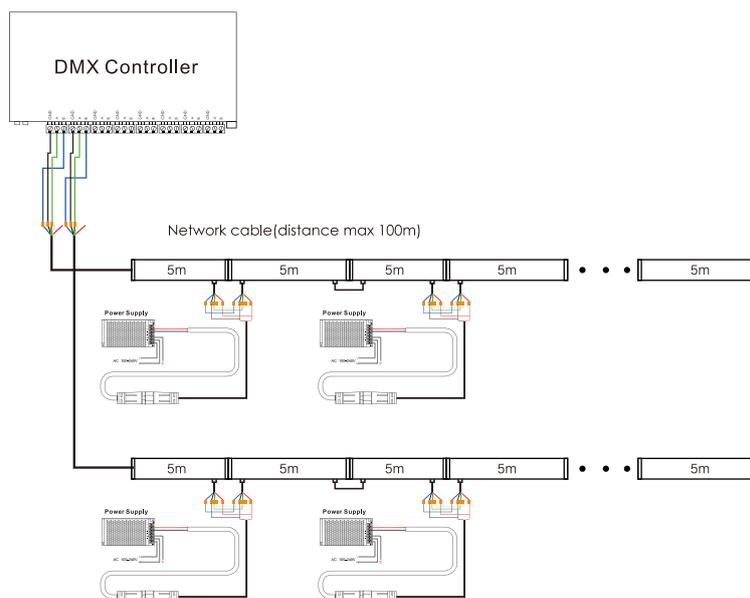
WIRING ELECTRICAL DIAGRAM

RGBW-SPI



WIRING ELECTRICAL DIAGRAM

RGBW-DMX-Offline



VL-UGSI2020-3D (Inground series - dual bend)

WIRING ELECTRICAL DIAGRAM

RGBW-SPI



WIRING ELECTRICAL DIAGRAM

RGBW-DMX-Offline

