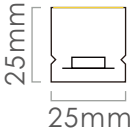
VL-UGSI2525-3D (Inground series - dual bend)

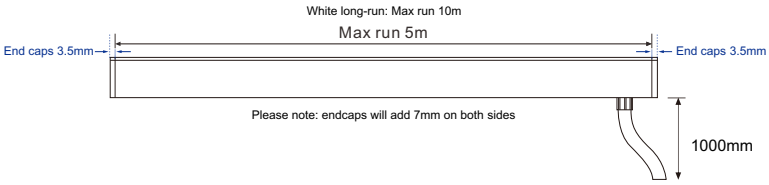
Free-bend - Flex Neon 24V
14.4W/m | 3000K CRI>90 | 742Lm/m
14.4W/m | RGBW | 406Lm/m

PROJECT		REFERENCE TYPE	
SPECIFIED BY		QUANTITY	
DATE		NOTE	









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

E533139

FEATURES

Designed for inground installations, swimming pools, seawater and saltwater environments, IP68 & IP69K-rated LED linear fixture features a self-cleaning, scratch-resistant TPU jacket that withstands high-pressure washing up to 100 bar (1,450 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, side or bottom cable entry; low- and high-profile channel 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-UGSI2525-3D (Inground series - dual bend)

SPECIFICATION LOGIC						
FAMILY	POWER W/m	NOMINAL LENGTH	Light Color	INPUT VOLTAGE	CABLE ENTRY	IP RATING
VL-UGSI2525-3D	**14.4W/m**	Maximum length **- 10m**	**MONO** **TW** **RGB** **RGBW** **SPI** **DMX**	**24VDC**	**BB -** Bottom + Bottom **BX -** Bottom + Closed	**IP68/IP69K**

Order example: VL-UGSI2525-3D-930K-10m-BB

PRODUCT SPECIFICATIONS		MONO
Electrical	Series Part Number	VL-UGSI2525-3D-930K
	Power	14.4W/m
	Input Voltage	24VDC
Physical	Minimum Length	Free-cut
	Max.Run Length	5m(one end input)
	Width x Height	25mm x 25mm
	Body Finish	Premium TPU / white
	Bend Direction	Side and Top bending
	Bend Radius	200mm(curve), 200mm(wave)
	Qty of LED	120LEDs/m
	IC Type	/
	Cable Entry Options	Bottom, Front, Side
	Fixture Connections	IP69K injection-moulded input and end cap
Optical	LED Type	2835 LED
	Control Protocol	0-10V or PWM or Dali
	Lumen Output	742Lm/m(3000K) 781Lm/m(4000K) 830Lm/m(6500K)
	Efficacy	53Lm/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-UGSI2525-3D (Inground series - dual bend)

PRODUCT SPECIFICATIONS

		White long-run
Electrical	Series Part Number	VL-UGLRSI2525-3D-930K
	Power	14.4W/m
	Input Voltage	24VDC
Physical	Minimum Length	50mm
	Max.Run Length	10m(one end input)
	Width x Height	25mm x 25mm
	Body Finish	Premium TPU / white
	Bend Direction	Side and Top bending
	Bend Radius	200mm(curve), 200mm(wave)
	Qty of LED	96LEDs/m
	IC Type	/
	Cable Entry Options	Bottom, Front, Side
	Fixture Connections	IP69K injection-moulded input and end cap
Optical	LED Type	2835 LED
	Control Protocol	0-10V or PWM or Dali
	Lumen Output	770Lm/m(3000K) 817Lm/m(4000K) 870Lm/m(6500K)
	Efficacy	55Lm/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

		Tunable white
Electrical	Series Part Number	VL-UGSI2525-3D-TW
	Power	14.4W/m
	Input Voltage	24VDC
Physical	Minimum Length	Free-cut
	Max.Run Length	5m(one end input)
	Width x Height	25mm x 25mm
	Body Finish	Premium TPU / white
	Bend Direction	Side and Top bending
	Bend Radius	200mm(curve), 200mm(wave)
	Qty of LED	240LEDs/m
	IC Type	/
	Cable Entry Options	Bottom, Front, Side
	Fixture Connections	IP69K injection-moulded input and end cap
Optical	LED Type	2835 LED
	Control Protocol	0-10V or PWM or Dali
	Lumen Output	714Lm/m(2700K) 752Lm/m(4000K) 800Lm/m(6500K)
	Efficacy	51Lm/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-UGSI2525-3D (Inground series - dual bend)

PRODUCT SPECIFICATIONS

		RGB
Electrical	Series Part Number	VL-UGSI2525-3D-RGB
	Power	14.4W/m
	Input Voltage	24VDC
Physical	Minimum Length	62.5mm
	Max.Run Length	5m(one end input)
	Width x Height	25mm x 25mm
	Body Finish	Premium TPU / white
	Bend Direction	Side and Top bending
	Bend Radius	200mm(curve), 200mm(wave)
	Qty of LED	96LEDs/m
	IC Type	/
	Cable Entry Options	Bottom, Front, Side
	Fixture Connections	IP69K injection-moulded input and end cap
Optical	LED Type	5050 LED
	Control Protocol	PWM or Dali
	Lumen Output	RGB: 294Lm/m
	Efficacy	21Lm/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	Series Part Number	VL-UGSI2525-3D-RGBW
	Power	14.4W/m
	Input Voltage	24VDC
Physical	Minimum Length	62.5mm
	Max.Run Length	5m(one end input)
	Width x Height	25mm x 25mm
	Body Finish	Premium TPU / white
	Bend Direction	Side and Top bending
	Bend Radius	200mm(curve), 200mm(wave)
	Qty of LED	96LEDs/m
	IC Type	/
	Cable Entry Options	Bottom, Front, Side
	Fixture Connections	IP69K injection-moulded input and end cap
Optical	LED Type	5050 LED
	Control Protocol	PWM or Dali
	Lumen Output	RGBW: 406Lm/m
	Efficacy	29Lm/W
	Lumen Maintenance	L70B10@54,000 hours
Temperature Range	Storage Temperature	-25℃min, 60℃max
	Max Ambient Temperature	50℃
	Min Ambient Temperature	-25℃

VL-UGSI2525-3D (Inground series - dual bend)

PRODUCT SPECIFICATIONS

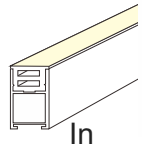
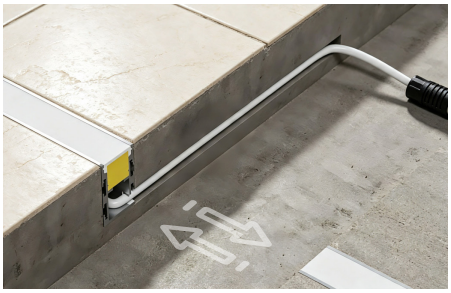
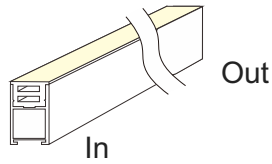
		RGBW-SPI
Electrical	Series Part Number	VL-UGSI2525-3D-PXSRGBW
	Power	14.4W/m
	Input Voltage	24VDC
Physical	Minimum Length	62.5mm
	Max.Run Length	5m(one end input)
	Width x Height	25mm x 25mm
	Body Finish	Premium TPU / white
	Bend Direction	Side and Top bending
	Bend Radius	200mm(curve), 200mm(wave)
	Qty of LED	96LEDs/m
	No. of Pixels	16pixels/m, IC code UCS8904
	Cable Entry Options	Bottom, Front, Side
	Fixture Connections	IP69K injection-moulded input and end cap
Optical	LED Type	4040 LED
	Control Protocol	SPI
	Lumen Output	RGBW: 266Lm/m
	Efficacy	19Lm/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	Series Part Number	VL-UGSI2525-3D-PXRGBW
	Power	14.4W/m
	Input Voltage	24VDC
Physical	Minimum Length	62.5mm
	Max.Run Length	5m(one end input)
	Width x Height	25mm x 25mm
	Body Finish	Premium TPU / white
	Bend Direction	Side and Top bending
	Bend Radius	200mm(curve), 200mm(wave)
	Qty of LED	96LEDs/m
	No. of Pixels	16pixels/m, IC code UCS 512H4LB
	Cable Entry Options	Bottom, Front, Side
	Fixture Connections	IP69K injection-moulded input and end cap
Optical	LED Type	4040 LED
	Control Protocol	DMX512
	Lumen Output	RGBW: 252Lm/m
	Efficacy	18Lm/W
	Lumen Maintenance	L70B10@54,000 hours
Temperature Range	Storage Temperature	-25℃min, 60℃max
	Max Ambient Temperature	50℃
	Min Ambient Temperature	-25℃

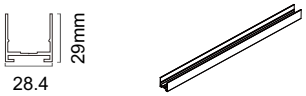
VL-UGSI2525-3D (Inground series - dual bend)

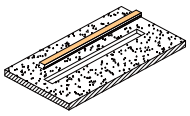
CABLE ENTRY OPTION EXAMPLES

B-BOTTOM	SEAMLESS SPLICING
BX 	 
BB 	

PROFILES AND MOUNTING OPTIONS

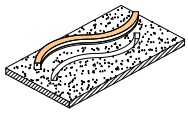
Fixed Aluminum Profile Channel



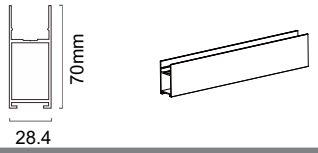
EXAMPLES OF INSTALLATION	PART NUMBER	DETAILS
	**2525-FAP-___*MM**	**FAP-** Fixed aluminum profile

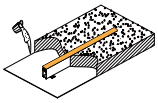
Bendable Aluminum Profile Channel



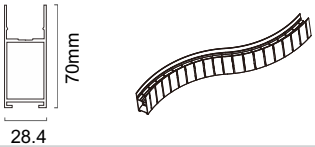
EXAMPLES OF INSTALLATION	PART NUMBER	DETAILS
	**2525-BAP-___*MM**	**BAP-** Bendable aluminum profile

Wireway fixed Aluminum Profile Channel



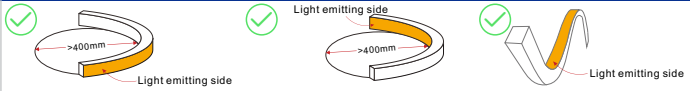
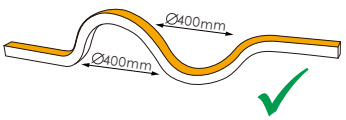
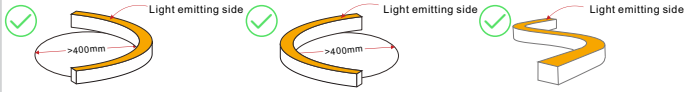
EXAMPLES OF INSTALLATION	PART NUMBER	DETAILS
	**2525-WFAP-**	**FAP-** Fixed aluminum profile

Wireway Bendable Aluminum Profile Channel



EXAMPLES OF INSTALLATION	PART NUMBER	DETAILS
	**2525-WBAP-**	**BAP-** Bendable aluminum profile

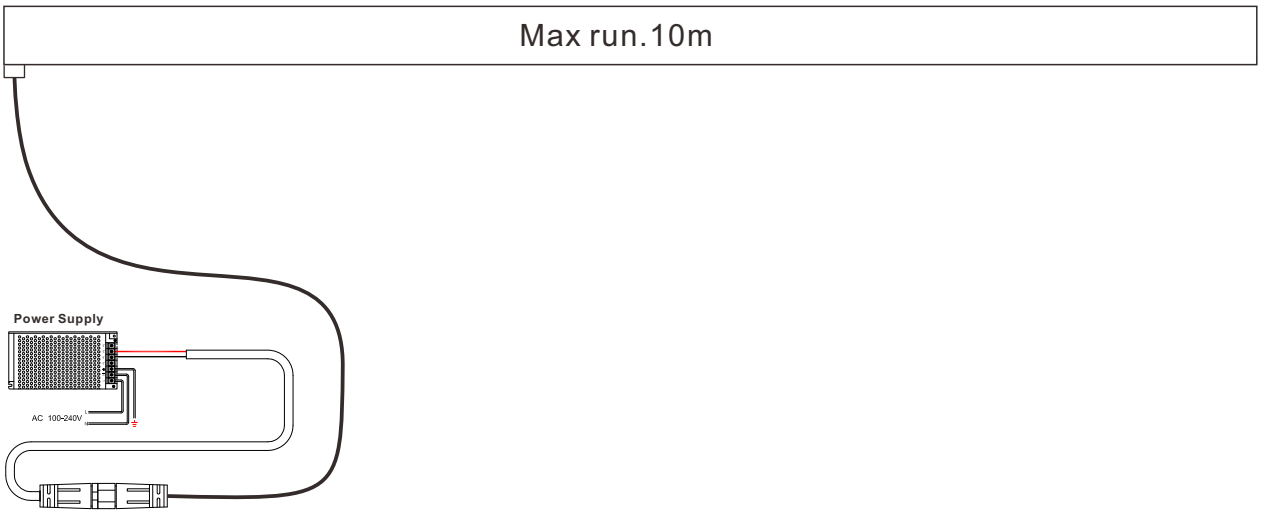
BENDING INSTRUCTION

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

WIRING ELECTRICAL DIAGRAM

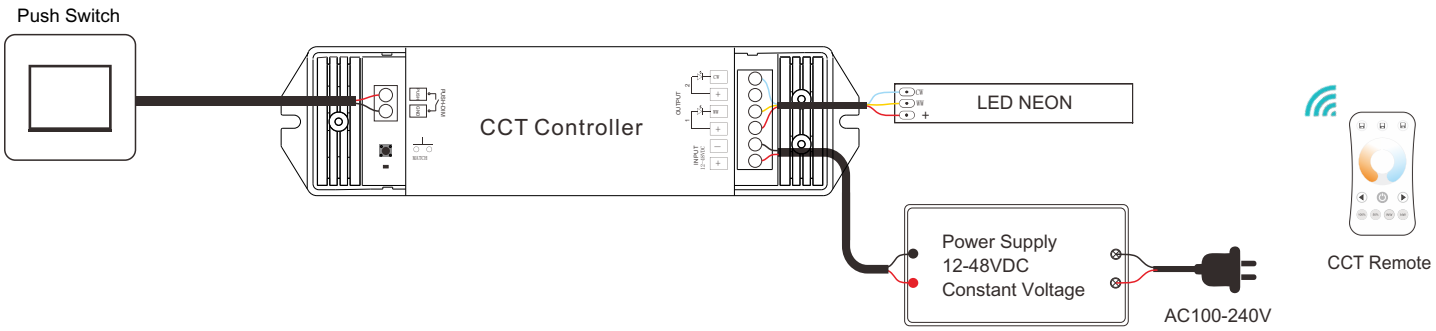
MONO

Input by one end



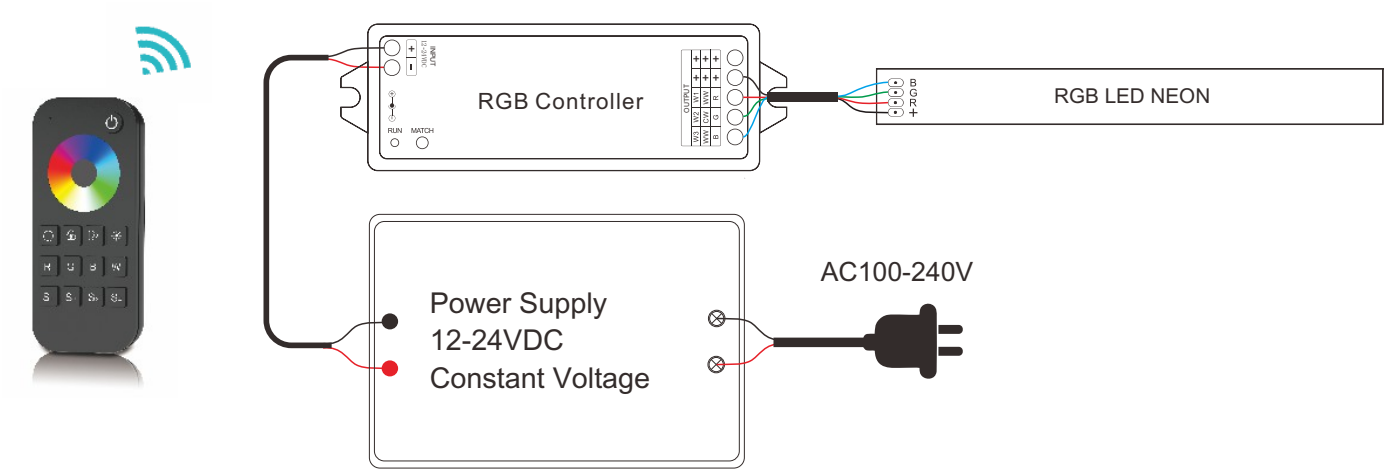
WIRING ELECTRICAL DIAGRAM

Tunable white



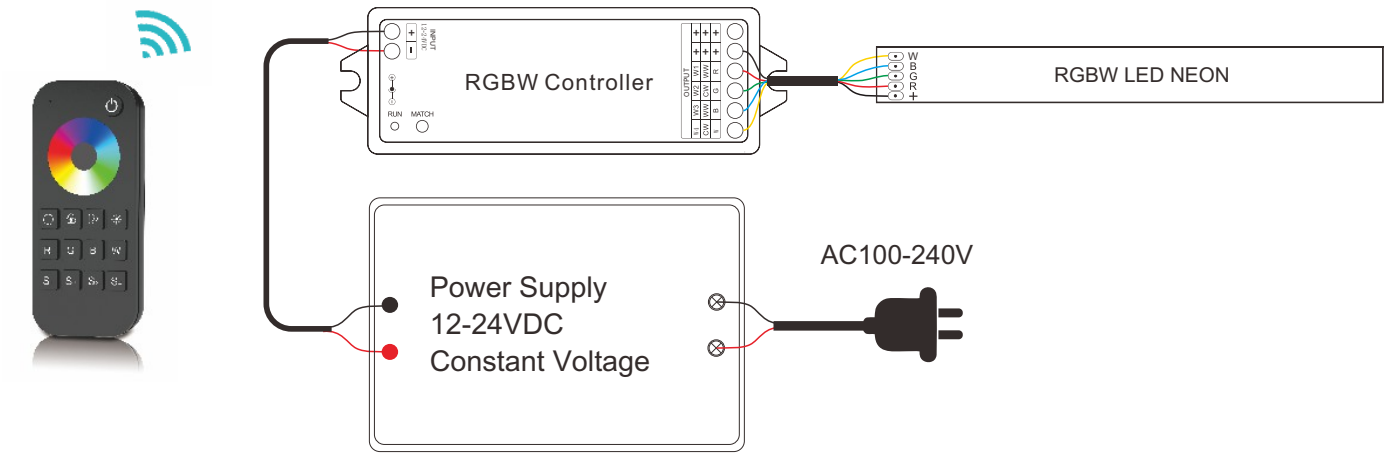
WIRING ELECTRICAL DIAGRAM

RGB



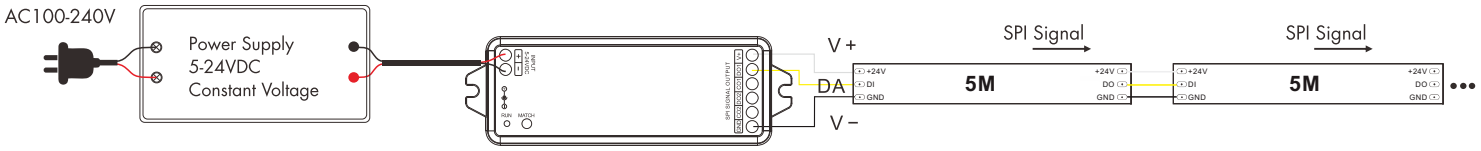
WIRING ELECTRICAL DIAGRAM

RGBW



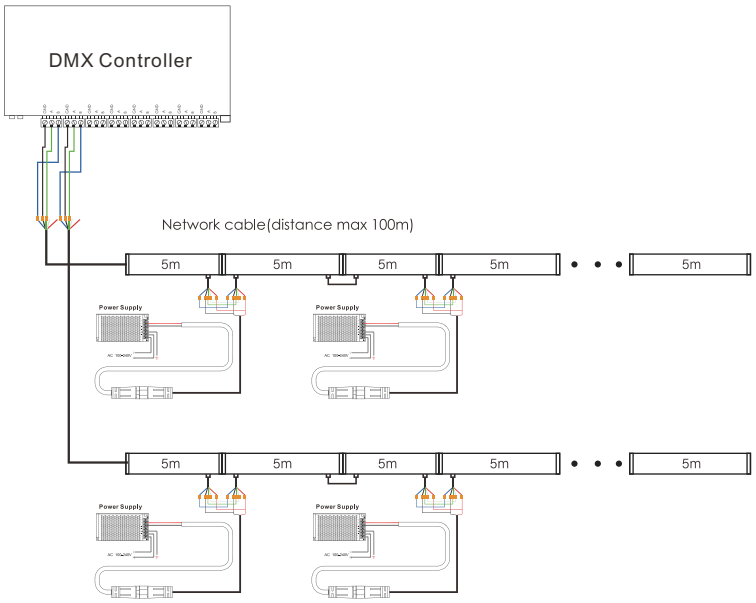
WIRING ELECTRICAL DIAGRAM

RGBW-SPI



WIRING ELECTRICAL DIAGRAM

RGBW-DMX-Offline



WIRING ELECTRICAL DIAGRAM

RGBW-DMX-Online

