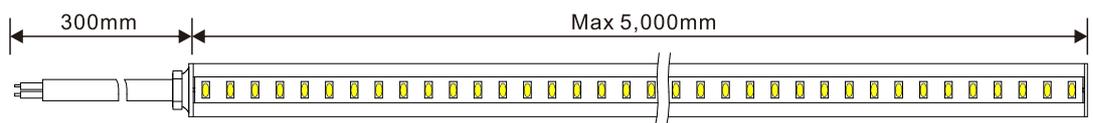
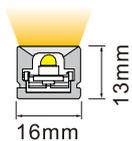


VL-LNSI1613-3D (Grazer Pro series - 3D bending)



FEATURES

Flexible Grazer 3D bend, IP67-rated suitable both indoor and outdoor, equipped with various optical lens ideal for uniform and precise illumination, making it the perfect solution for grazing straight and wave and curve surfaces.

Optics & Electronics

Beam angle available in 35°.

LED with 3-step MacAdam and CRI 90+ guaranteeing consistency and high quality of light.

Customization

Endless fixture length configurations allow for the ultimate freedom of design.

Front, bottom and side cable entry options available for different install options.

Life Cycle

Long lifetime of L70B10>54,000 hours with 5-year warranty for indoor, 3-year warranty for outdoor.

VL-LNSI1613-3D (Grazer Pro series - 3D bending)



SPECIFICATION LOGIC						
FAMILY	POWER W/m	NOMINAL LENGTH	CCT	INPUT VOLTAGE	CABLE ENTRY	IP RATING
VL-LNSI1613-3D	12W/m	Minimum length - 100mm Maximum length - 5m Increments length - 100mm	MONO  TW 	24VDC	FF - Front + Front SS - Side + Side BB - Bottom + Bottom FX - Front + Closed SX - Side + Closed BX - Bottom + Closed	IP67

Order example: VL-LNSI1613-3D-927K-5m-BB

PRODUCT SPECIFICATIONS 		
		MONO
Electrical	Power	12W/m
	Input Voltage	24VDC
	Minimum Length	100mm
Physical	Width x Height	16mm x 13mm
	Body Finish	Premium silicone / grey or white
	Bend Direction	Vertical and Horizontal
	Bend Radius	140mm(curve), 100mm(wave)
	Control mode	0-10V or PWM or Dali
	Fixture Connections	IP67 injection-moulded input and end cap
Optical	LED Type	2835 LED
	Beam Angle	35°
	Lumen Output	1,163Lm/m(3000K) 1,224Lm/m(4000K) 1,275Lm/m(6500K)
	Efficacy	102Lm/W (@4000K, CRI90+)
	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-LNSI1613-3D (Grazer Pro series - 3D bending)



PRODUCT SPECIFICATIONS 		Tunable white		
Electrical	Power	12W/m		
	Input Voltage	24VDC		
Physical	Minimum Length	100mm		
	Width x Height	16mm x 13mm		
	Body Finish	Premium silicone / grey or white		
	Bend Direction	Vertical and Horizontal		
	Bend Radius	140mm(curve), 100mm(wave)		
	Control mode	0-10V or PWM or Dali		
	Fixture Connections	IP67 injection-moulded input and end cap		
Optical	LED Type	5050 LED		
	Beam Angle	35°		
	Lumen Output	577Lm/m(2700K)	1,149Lm/m(4000K)	600Lm/m(6500K)
	Efficacy	95Lm/W (@4000K, CRI90+)		
	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-LNSI1613-3D (Grazer Pro series - 3D bending)

Light Distribution

Light distribution example

Narrow



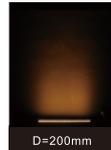
Beam Angle 35°



D=50mm



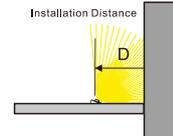
D=100mm



D=200mm



D=300mm



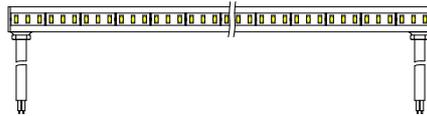
Installation Distance

CABLE ENTRY OPTION EXAMPLES

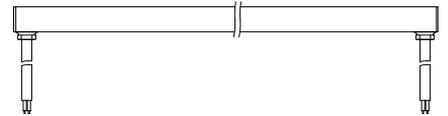
FF - front + front



SS - side + side

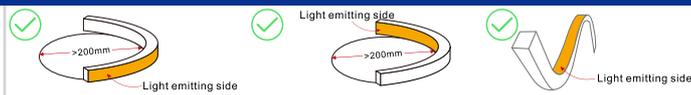


BB - bottom + bottom

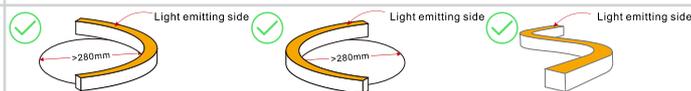


BENDING INSTRUCTION

Bending in wave form - vertical



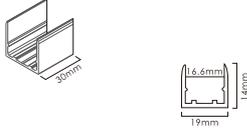
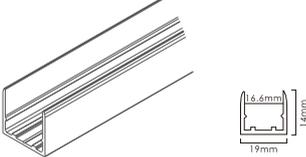
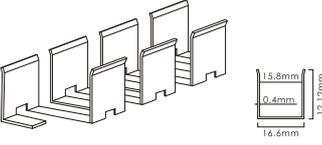
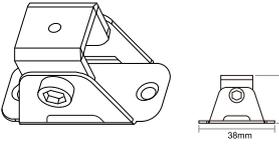
Bending in curve form - horizontal



TWIST <180°



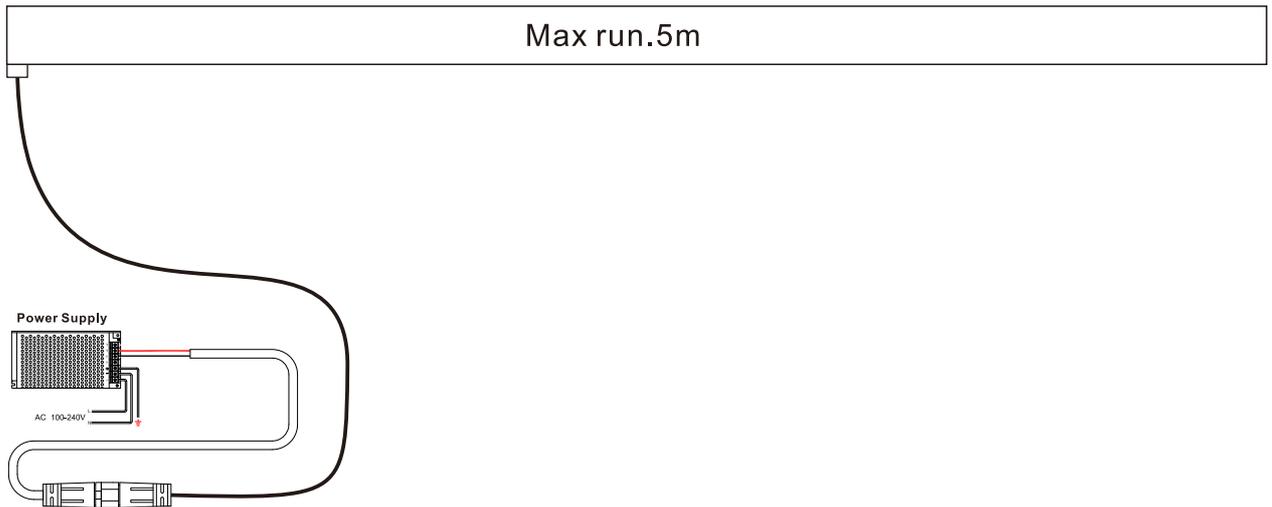
VL-LNSI1613-3D (Grazer Pro series - 3D bending)

PROFILES AND MOUNTING OPTIONS			
FRONT CLIPS			
 	EXAMPLES OF INSTALLATION 	PART NUMBER 1613-FC	DETAILS FC- Front mounting clips
MOUNTING CLIPS			
	EXAMPLES OF INSTALLATION 	PART NUMBER 1613-MC	DETAILS MC- Mounting clips
ALUMINUM PROFILE			
	EXAMPLES OF INSTALLATION 	PART NUMBER 1613 - FAP * _ MM	DETAILS FAP - Aluminum profile
BENDABLE PROFILE			
	EXAMPLES OF INSTALLATION 	PART NUMBER 1613 - BSP * _ MM	DETAILS BSP - Bendable profile
ADJUSTABLE BRACKET			
	EXAMPLES OF INSTALLATION 	PART NUMBER 1613 -BRK	DETAILS BRK- Bracket

WIRING ELECTRICAL DIAGRAM

MONO

Input by one end



WIRING ELECTRICAL DIAGRAM

Tunable white

