LED FLEX NEON

Ocean Silicon Series

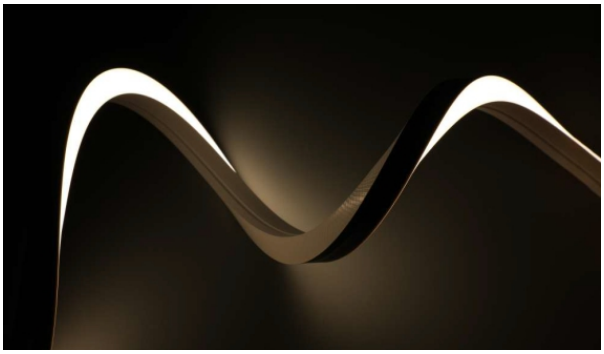
DESCRIPTION

Fully extrusion LED flexible neon, IP68 protection, specially in-feed system and end cap design enable a dot-free alignment of numerous fixtures for a homogeneous light line with uninterrupted illumination.

3m dive water

IP68 protection

3 years[1] warranty



KEY FEATURES

- High output and absolutely homogeneous illumination and dot-free light surface.
- Suitable for submersion max 3 m water deep.
- Resistant to water, saltwater, UV radiation, sunlight, and chlorine.
- Offering endless lines of light, the overlap between 2 runs is barely visible, making the light emmision over long run lengths.

1: 5-year warranty if the neon be used in indoor and outdoor application

APPLICATIONS

- Facade and bridge lighting
- Fountain, SPAs and swimming pools
- Maritime sector and industrial applications
- Decorative lighting and architecture outline
- Contour, border lighting for indoor and outdoor

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SPECIFICATION LOGIC						
FAMILY	POWER W/m	NOMINAL LENGTH	Light Color	INPUT VOLTAGE	CABLE ENTRY	IP RATING
VL-OSI2020-3D	**14.4W/m**	Maximum length **- 10m**	**MONO** **RGB** **RGBW**	**24VDC**	**FF -** Front + Front **SS -** Side + Side **BB -** Bottom + Bottom **FX -** Front + Closed **SX -** Side + Closed **BX -** Bottom + Closed	**IP68**

Order example: VL-OSI2020-3D-930K-10m-SX

PRODUCT SPECIFICATIONS		MONO
Electrical	Power	14.4W/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)
	Cable Entry Options	Front, Side, Bottom
	Fixture Connections	IP68 injection-moulded input and end cap
Optical	LED Type	2835 LED
	Control Protocol	0-10V or PWM or Dali
	Lumen Output	576Lm/m(3000K) 606Lm/m(4000K) 645Lm/m(6500K)
	Efficacy	40Lm/W(CRI90, 3000K)
	Lumen Maintenance	L70B10@54,000 hours
Temperature Range	Storage Temperature	-25°Cmin, 60°Cmax
	Max Ambient Temperature	50°C
	Min Ambient Temperature	-25°C

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PRODUCT SPECIFICATIONS

		RGB
Electrical	Power	14.4W/m
	Input Voltage	24VDC
Physical	Minimum Length	50mm
	Width x Height	20mm x 20mm
	Body Finish	Premium silicone / white
	Bend Direction	Side and Top bending
	Bend Radius	140mm(curve), 100mm(wave)
	Cable Entry Options	Front, Side, Bottom
	Fixture Connections	IP68 injection-moulded input and end cap
Optical	LED Type	4040 LED
	Control Protocol	PWM or Dali
	Lumen Output	RGB: 288Lm/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

PRODUCT SPECIFICATIONS

		RGBW
Electrical	Power	14.4W/m
	Input Voltage	24VDC
Physical	Minimum Length	50mm
	Width x Height	20mm x 20mm
	Body Finish	Premium silicone / white
	Bend Direction	Side and Top bending
	Bend Radius	140mm(curve), 100mm(wave)
	Cable Entry Options	Front, Side, Bottom
	Fixture Connections	IP68 injection-moulded input and end cap
Optical	LED Type	5050 LED
	Control Protocol	PWM or Dali
	Lumen Output	RGBW: 432Lm/m
	Efficacy	30Lm/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

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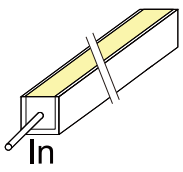
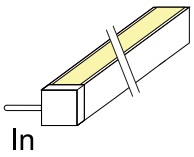
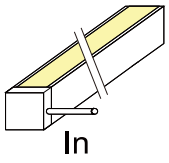
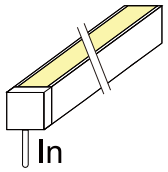
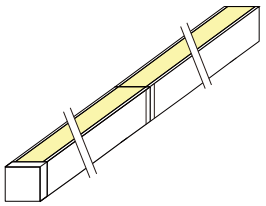
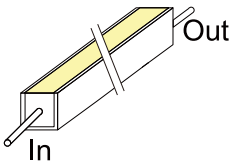
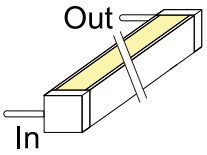
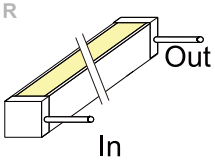
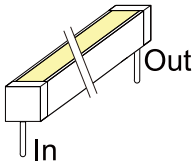
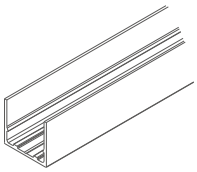
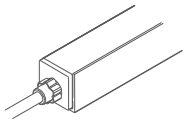
CABLE ENTRY OPTION EXAMPLES

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

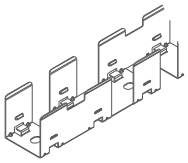
PROFILES AND MOUNTING OPTIONS

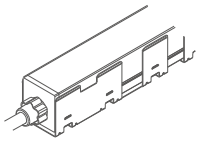
FIXED ALUMINUM PROFILE



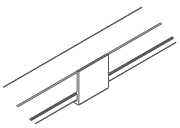
EXAMPLES OF INSTALLATION	PART NUMBER	DETAILS
	2020-FAP-_____*MM	**FAP-** Fixed aluminum profile

BENDABLE STAINLESS STEEL PROFILE

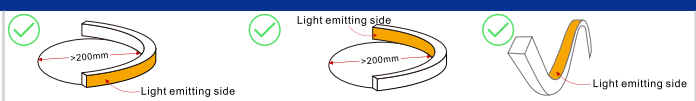
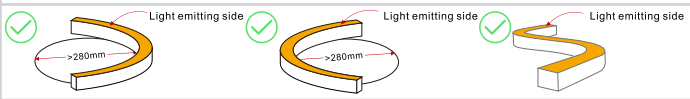


EXAMPLES OF INSTALLATION	PART NUMBER	DETAILS
	2020-BSP-_____*MM	**BSP-** Bendable stainless steel profile

MOUNTING CLIPS

EXAMPLES OF INSTALLATION	PART NUMBER	DETAILS
	2020-MC	**MC-** Mounting clips

BENDING INSTRUCTION

Bending in wave form - vertical		TWIST <180°
Bending in curve form - horizontal		

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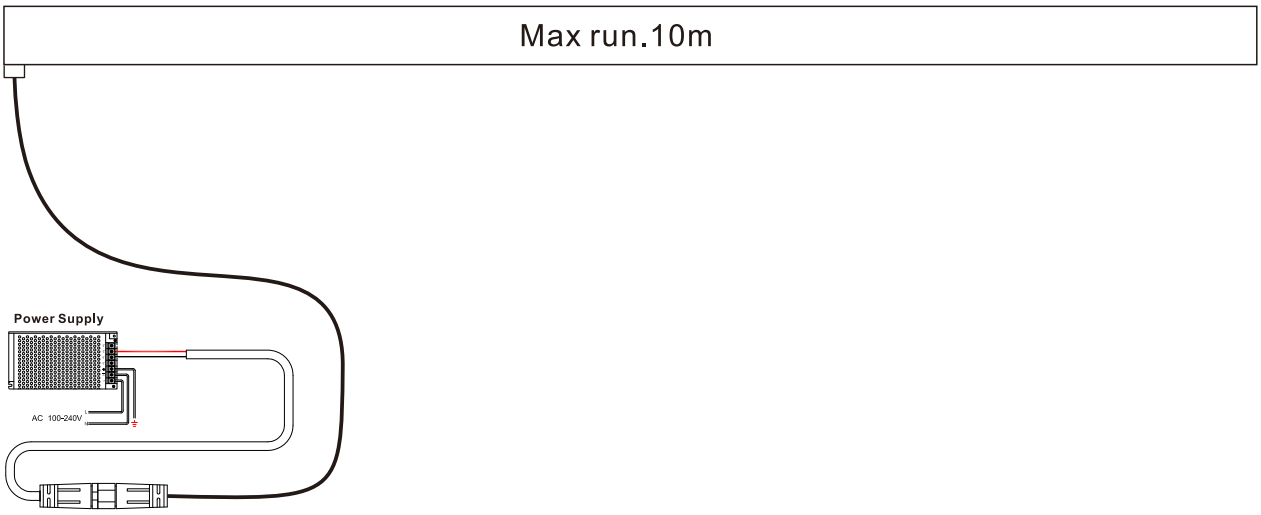
WIRING ELECTRICAL DIAGRAM

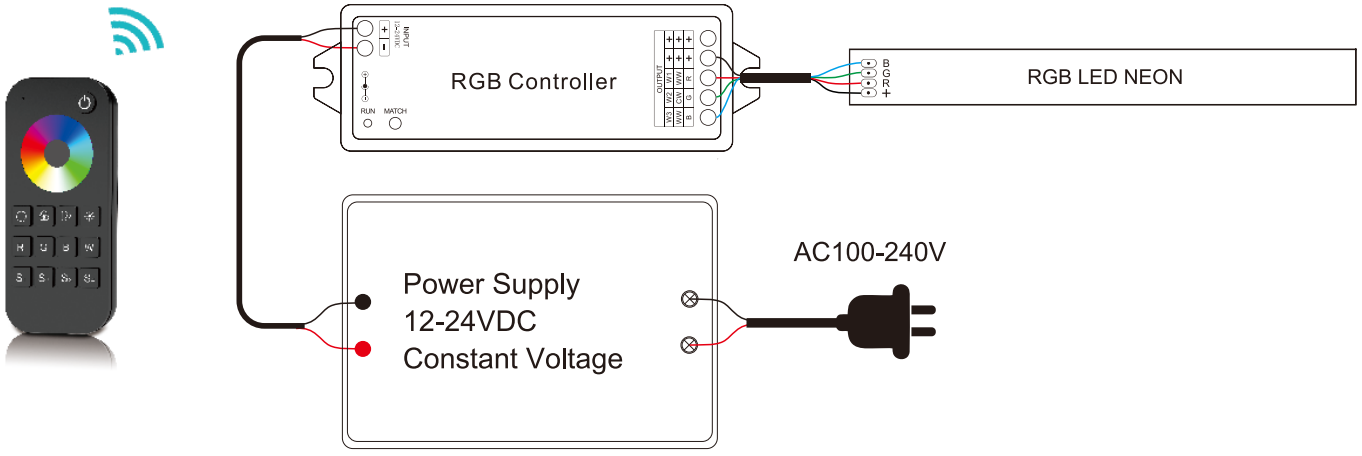
MONO

Input by one end



WIRING ELECTRICAL DIAGRAM

RGB



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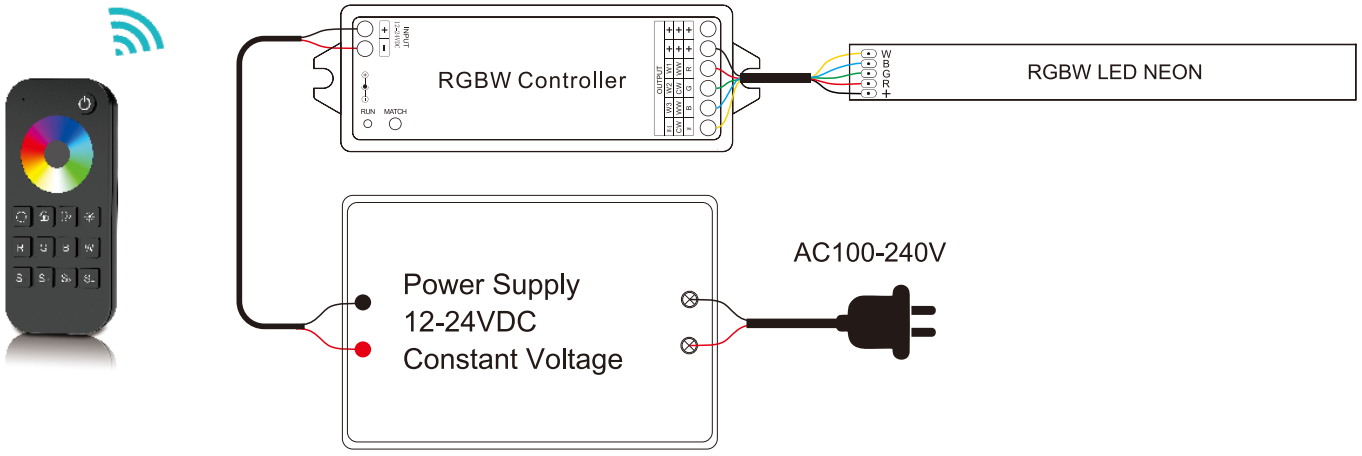
WIRING ELECTRICAL DIAGRAM

RGBW