LED FLEX NEON

Ocean Silicon Series

DESCRIPTION

Fully extrusion LED flexible neon, IP68/69 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.

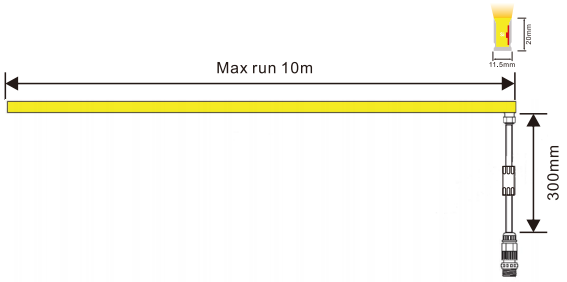
3m dive water

IP68/69 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
2: IP69K material composed of TPU+PVC

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-OSI1220-C	**14W/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	**IP68/69**

Order example: VL-OSI1220-C-930K-10m-SX

PRODUCT SPECIFICATIONS		MONO	
Electrical	Power	14W/m	
	Input Voltage	24VDC	
Physical	Minimum Length	Free-cut	
	Width x Height	11.5mm x 20mm	
	Body Finish	Premium silicone / white	
	Bend Direction	Horizontal (side bending)	
	Bend Radius	150mm	
	Cable Entry Options	Front, Side, Bottom	
	Fixture Connections	IP68/69 injection-moulded input and end cap	
Optical	LED Type	2835 LED	
	Control Protocol	0-10V or PWM or Dali	
	Lumen Output	476Lm/m (IP68, 4000K)	434Lm/m (IP69, 4000K)
	Efficacy (CRI90, 4000K)	34Lm/W	31Lm/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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PRODUCT SPECIFICATIONS

		Tunable white
Electrical	Power	14W/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
	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	140Lm/m(2700K) 364Lm/m(4000K) 182Lm/m(6500K)
	Efficacy	26Lm/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

		RGB	
Electrical	Power	14W/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	
	Cable Entry Options	Front, Side, Bottom	
	Fixture Connections	IP68/69 injection-moulded input and end cap	
Optical	LED Type	4040 LED	
	Control Protocol	PWM or Dali	
	Lumen Output	RGB: 168Lm/m (IP68)	RGB: 210Lm/m (IP69)
	Efficacy	12Lm/W	15Lm/W
	Lumen Maintenance	L70B10@54,000 hours	
Temperature Range	Storage Temperature	-25℃min, 60℃max	
	Max Ambient Temperature	50℃	
	Min Ambient Temperature	-25℃	

LED FLEX NEON

Ocean Silicon Series

PRODUCT SPECIFICATIONS

		RGBW
Electrical	Power	14W/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
	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: 154Lm/m
	Efficacy	11Lm/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-SPI
Electrical	Power	14W/m
	Input Voltage	24VDC
Physical	Minimum Length	71.4mm
	Width x Height	11.5mm x 20mm
	Body Finish	Premium silicone / white
	Bend Direction	Horizontal (side bending)
	Bend Radius	150mm
	No. of Pixels	14pixels/m, IC code UCS2904
	Cable Entry Options	Front, Side, Bottom
	Fixture Connections	IP68 injection-moulded input and end cap
Optical	LED Type	5050 LED
	Control Protocol	SPI
	Lumen Output	RGBW: 350Lm/m
	Efficacy	25Lm/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

LED FLEX NEON

Ocean Silicon Series

PRODUCT SPECIFICATIONS		RGBW-DMX
Electrical	Power	14W/m
	Input Voltage	24VDC
Physical	Minimum Length	71.4mm
	Width x Height	11.5mm x 20mm
	Body Finish	Premium silicone / white
	Bend Direction	Horizontal (side bending)
	Bend Radius	150mm
	No. of Pixels	14pixels/m, IC code UCS 512H4LB
	Cable Entry Options	Front, Side, Bottom
	Fixture Connections	IP68 injection-moulded input and end cap
Optical	LED Type	5050 LED
	Control Protocol	DMX512
	Lumen Output	RGBW: 350Lm/m
	Efficacy	25Lm/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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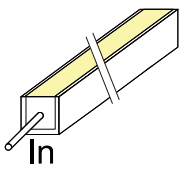
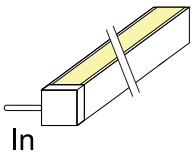
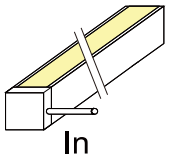
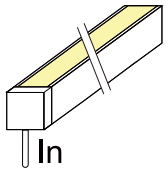
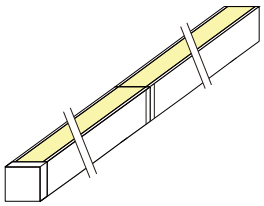
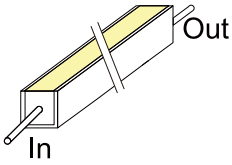
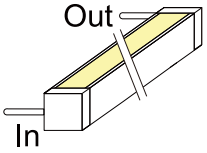
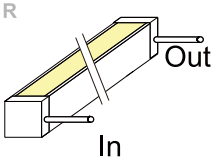
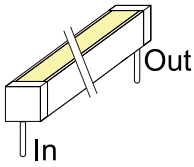
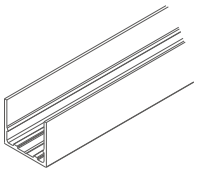
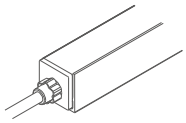
CABLE ENTRY OPTION EXAMPLES

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

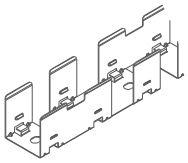
PROFILES AND MOUNTING OPTIONS

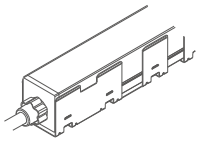
FIXED ALUMINUM PROFILE



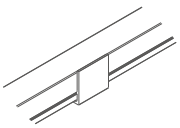
EXAMPLES OF INSTALLATION	PART NUMBER	DETAILS
	1220-FAP-_____*MM	**FAP-** Fixed aluminum profile

BENDABLE STAINLESS STEEL PROFILE

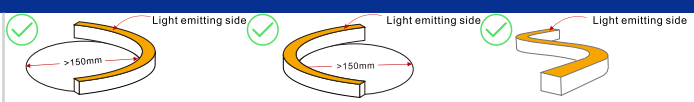
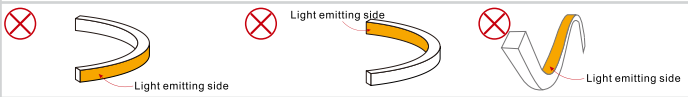


EXAMPLES OF INSTALLATION	PART NUMBER	DETAILS
	1220-BSP-_____*MM	**BSP-** Bendable stainless steel profile

MOUNTING CLIPS

EXAMPLES OF INSTALLATION	PART NUMBER	DETAILS
	1220-MC	**MC-** Mounting clips

BENDING INSTRUCTION

Bending in CURE form - horizontal		**DO NOT TWIST**
DO NOT bend in wave form - vertical		

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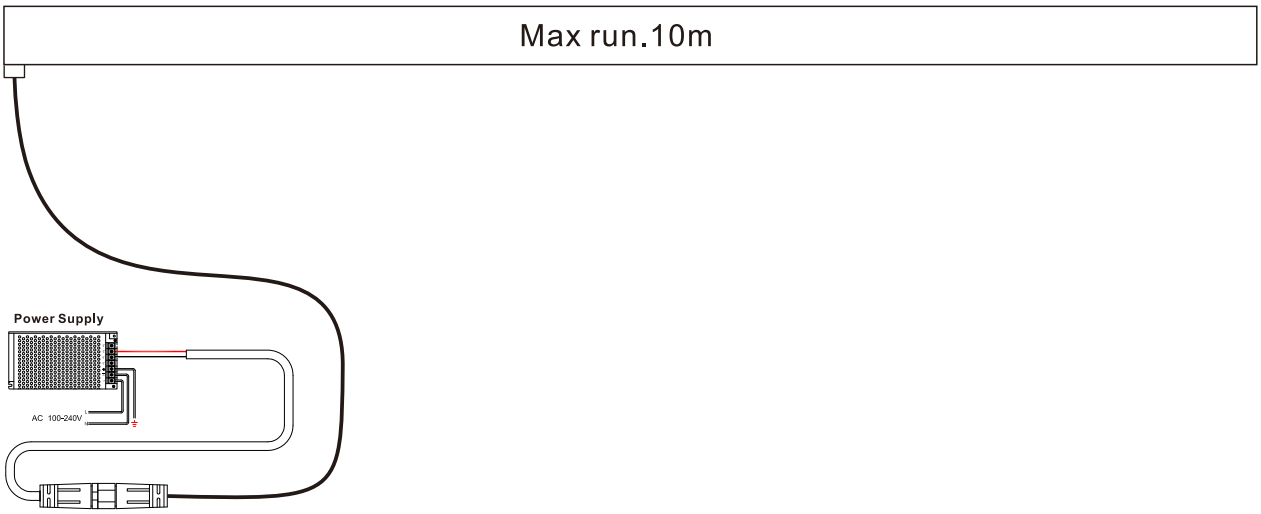
WIRING ELECTRICAL DIAGRAM

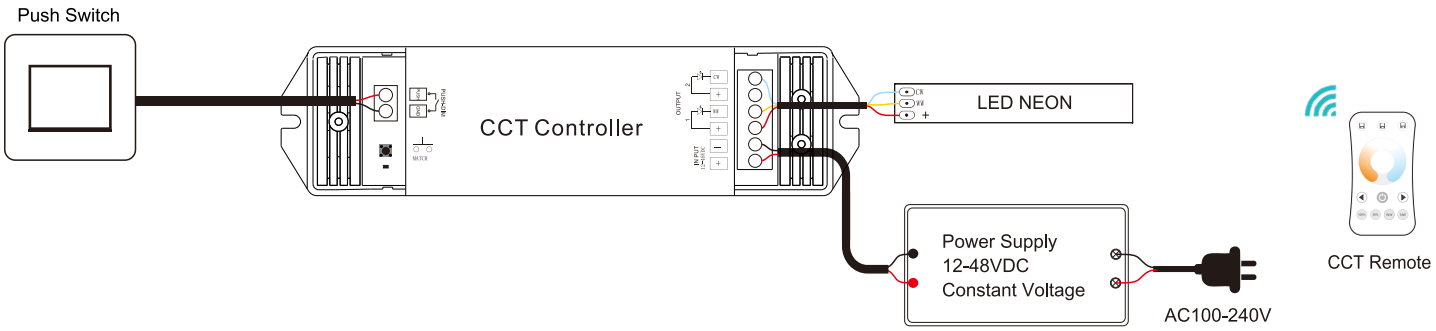
MONO

Input by one end



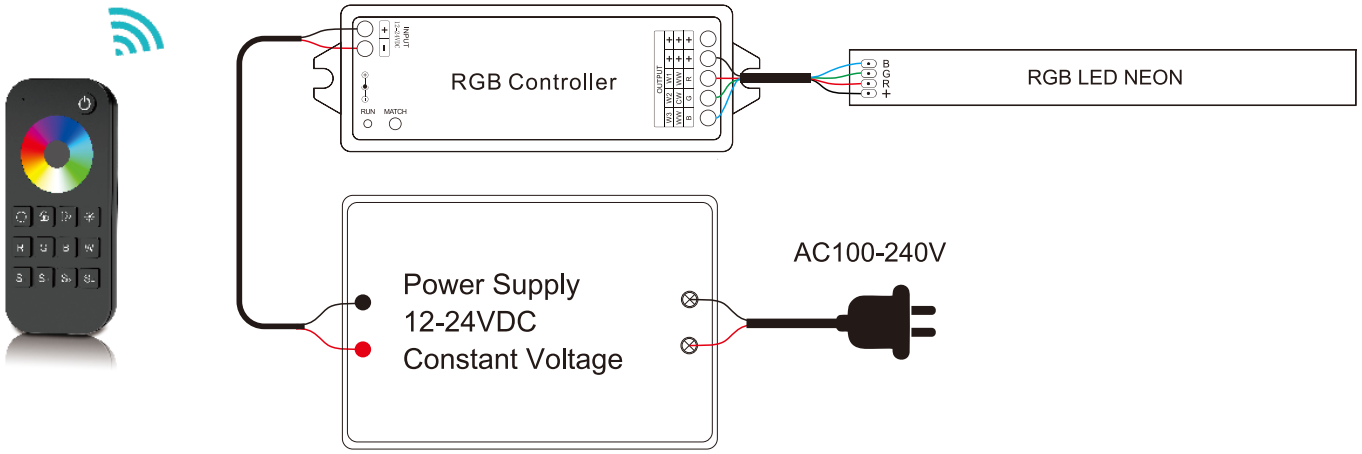
WIRING ELECTRICAL DIAGRAM

Tunable white



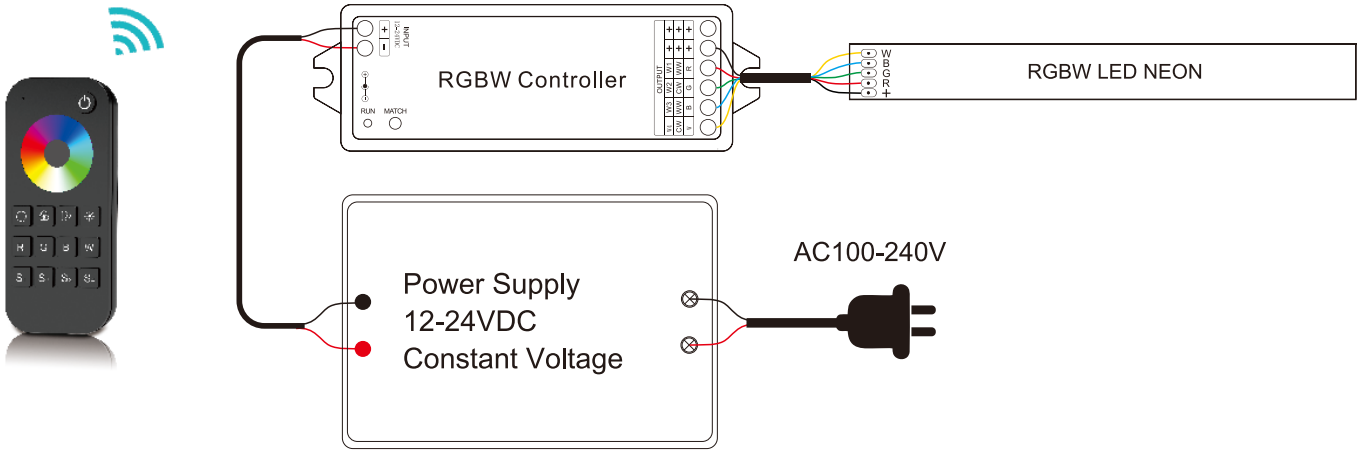
WIRING ELECTRICAL DIAGRAM

RGB



WIRING ELECTRICAL DIAGRAM

RGBW

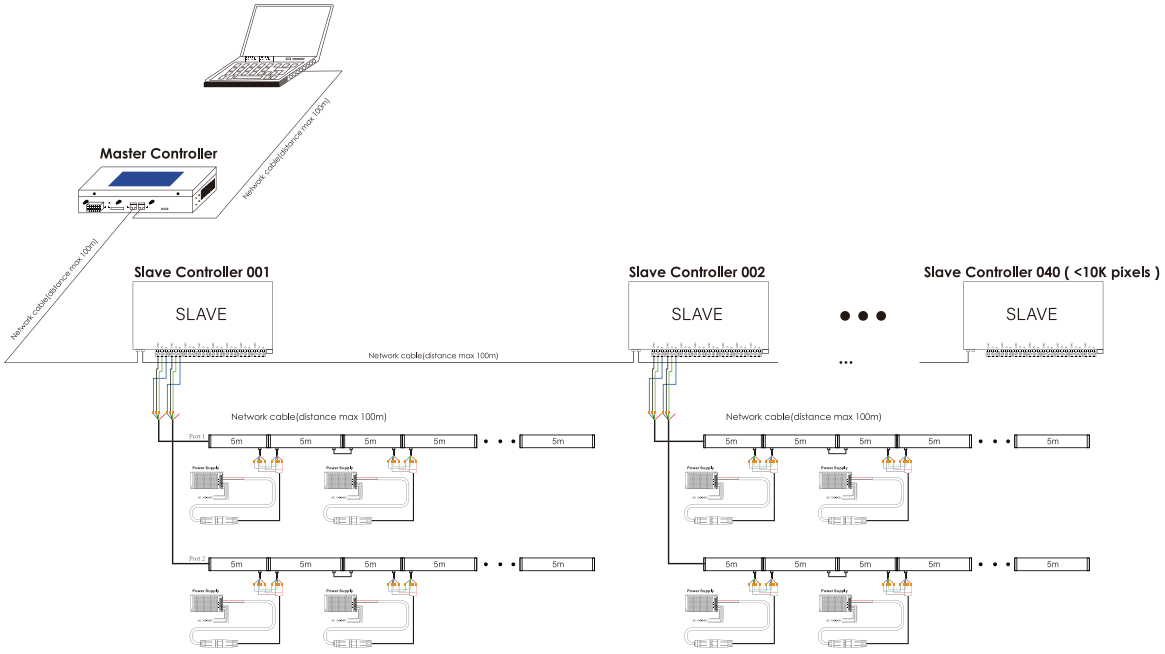


WIRING ELECTRICAL DIAGRAM

RGBW-SPI

WIRING ELECTRICAL DIAGRAM

RGBW-DMX-Online



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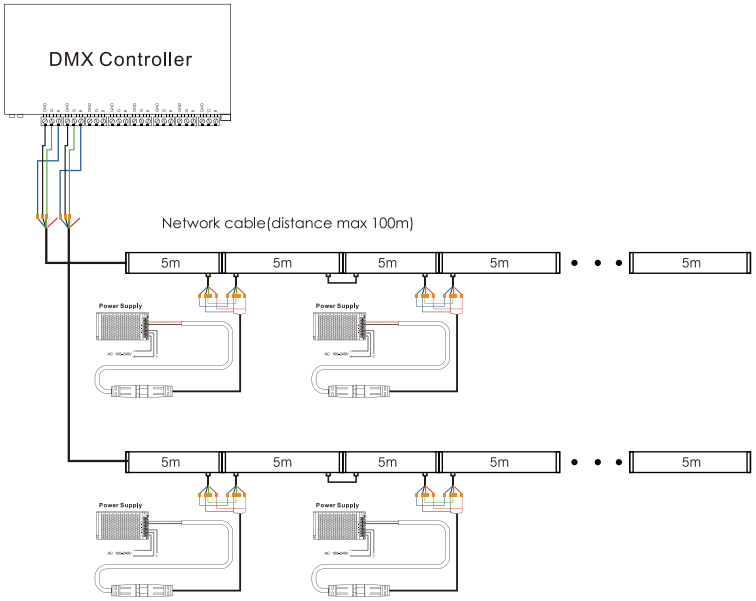
WIRING ELECTRICAL DIAGRAM

RGBW-DMX-Offline