

# 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  
warranty



### KEY FEATURES

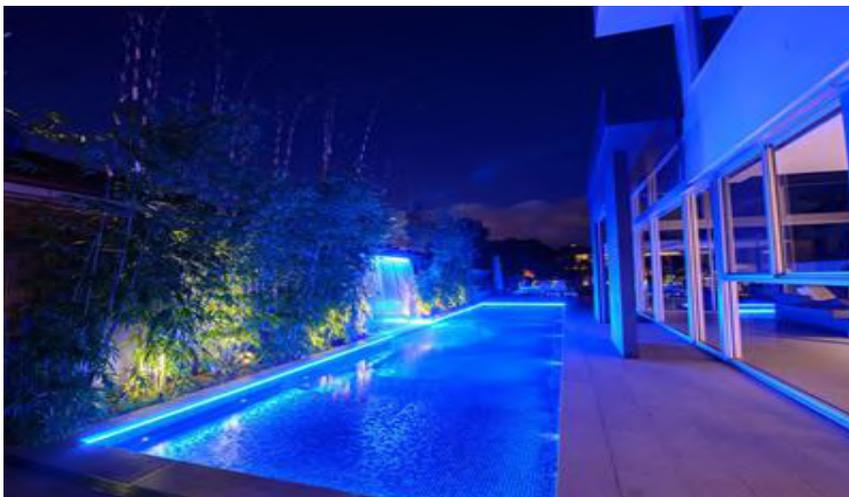
- High output and absolutely homogeneous illumination and dot-free light surface.
- Suitable for submersion max 3 m water deep.
- Resistant to water, saltwater, UV radiation, sunlight, and chlorine.
- Offering endless lines of light, the overlap between 2 runs is barely visible, making the light emission 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-OSI1616-C	14W/m	Maximum length - 10m	<b>MONO</b> ● <b>TW</b> ● <b>RGB</b> ● <b>RGBW</b> ● <b>DMX</b> ●	24VDC	<b>FF</b> - Front + Front <b>SS</b> - Side + Side <b>BB</b> - Bottom + Bottom <b>FX</b> - Front + Closed <b>SX</b> - Side + Closed <b>BX</b> - Bottom + Closed	<b>IP68</b>

Order example: VL-OSI1616-C-10m-930K-SX

PRODUCT SPECIFICATIONS ●			
		MONO	
Electrical	Power	14W/m	
	Input Voltage	24VDC	
Physical	Minimum Length	Free-cut	
	Width x Height	16mm x 16mm	
	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	625Lm/m(3000K)	658Lm/m(4000K) 731Lm/m(6500K)
	Efficacy	47Lm/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	

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PRODUCT SPECIFICATIONS 		
		Tunable white
Electrical	Power	14W/m
	Input Voltage	24VDC
Physical	Minimum Length	Free-cut
	Width x Height	16mm x 16mm
	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	280Lm/m(2700K)    630Lm/m(4000K)    315Lm/m(6500K)
	Efficacy	45Lm/W(CRI90, 4000K)
	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 		
		RGB
Electrical	Power	14W/m
	Input Voltage	24VDC
Physical	Minimum Length	50mm
	Width x Height	16mm x 16mm
	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	4040 LED
	Control Protocol	PWM or Dali
	Lumen Output	RGB: 280Lm/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

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## Ocean Silicon Series

PRODUCT SPECIFICATIONS 		
		RGBW
Electrical	Power	14W/m
	Input Voltage	24VDC
Physical	Minimum Length	50mm
	Width x Height	16mm x 16mm
	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: 336Lm/m
	Efficacy	24Lm/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	125mm
	Width x Height	16mm x 16mm
	Body Finish	Premium silicone / white
	Bend Direction	Horizontal (side bending)
	Bend Radius	150mm
	No. of Pixels	8pixels/m, IC code UCS2903B
	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: 294Lm/m
	Efficacy	21Lm/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

# LED FLEX NEON

## Ocean Silicon Series



### PRODUCT SPECIFICATIONS

		RGBW-DMX
Electrical	Power	14W/m
	Input Voltage	24VDC
Physical	Minimum Length	125mm
	Width x Height	16mm x 16mm
	Body Finish	Premium silicone / white
	Bend Direction	Horizontal (side bending)
	Bend Radius	150mm
	No. of Pixels	8pixels/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: 294Lm/m
	Efficacy	21Lm/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
<b>FX</b> 	<b>SLX</b> 	<b>SRX</b> 	<b>BX</b> 	
<b>FF</b> 	<b>SLSL</b> 	<b>SRSR</b> 	<b>BB</b> 	

### PROFILES AND MOUNTING OPTIONS

#### FIXED ALUMINUM PROFILE

	EXAMPLES OF INSTALLATION	PART NUMBER	DETAILS
 		<b>1616-FAP-_____MM</b>	<b>FAP- Fixed aluminum profile</b>

#### BENDABLE STAINLESS STEEL PROFILE

	EXAMPLES OF INSTALLATION	PART NUMBER	DETAILS
 		<b>1616-BSP-_____MM</b>	<b>BSP- Bendable stainless steel profile</b>

#### MOUNTING CLIPS

	EXAMPLES OF INSTALLATION	PART NUMBER	DETAILS
 		<b>1616-MC</b>	<b>MC- Mounting clips</b>

### BENDING INSTRUCTION

<b>Bending in CURE form - horizontal</b>				<b>DO NOT TWIST</b> 
<b>DO NOT bend in wave form - vertical</b>				

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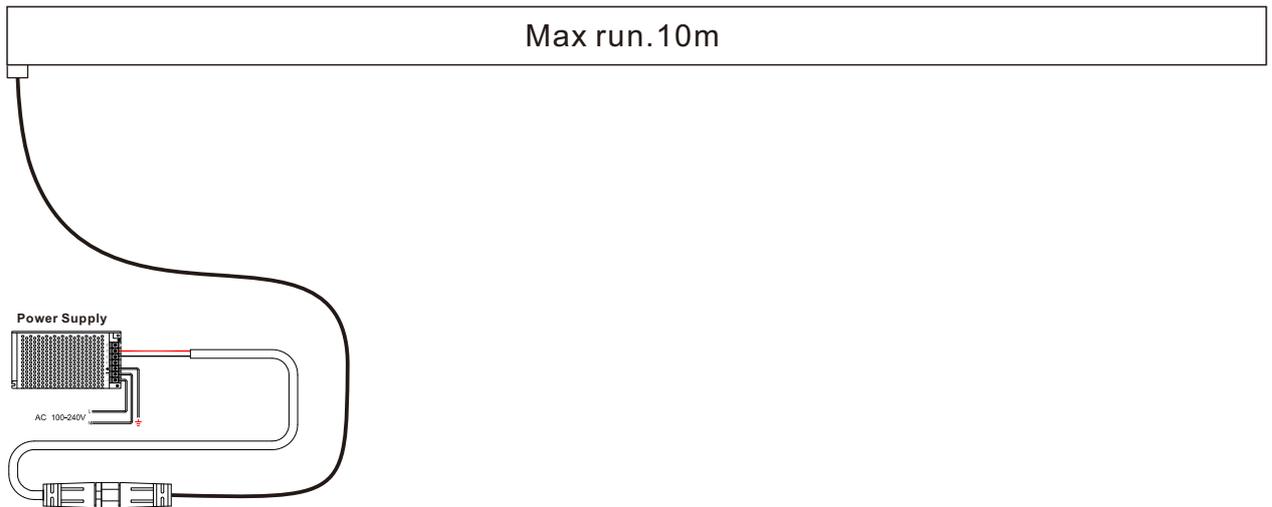
## Ocean Silicon Series



### WIRING ELECTRICAL DIAGRAM

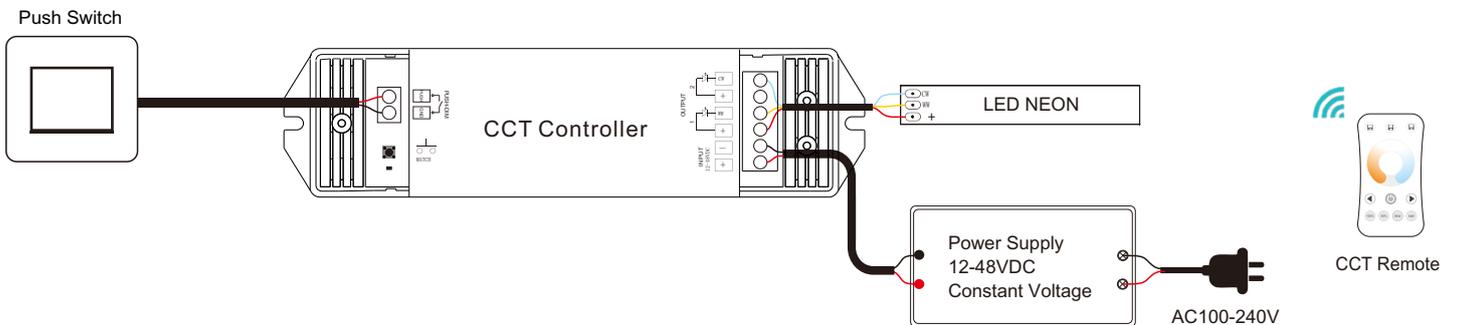
#### MONO

Input by one end



### WIRING ELECTRICAL DIAGRAM

#### Tunable white



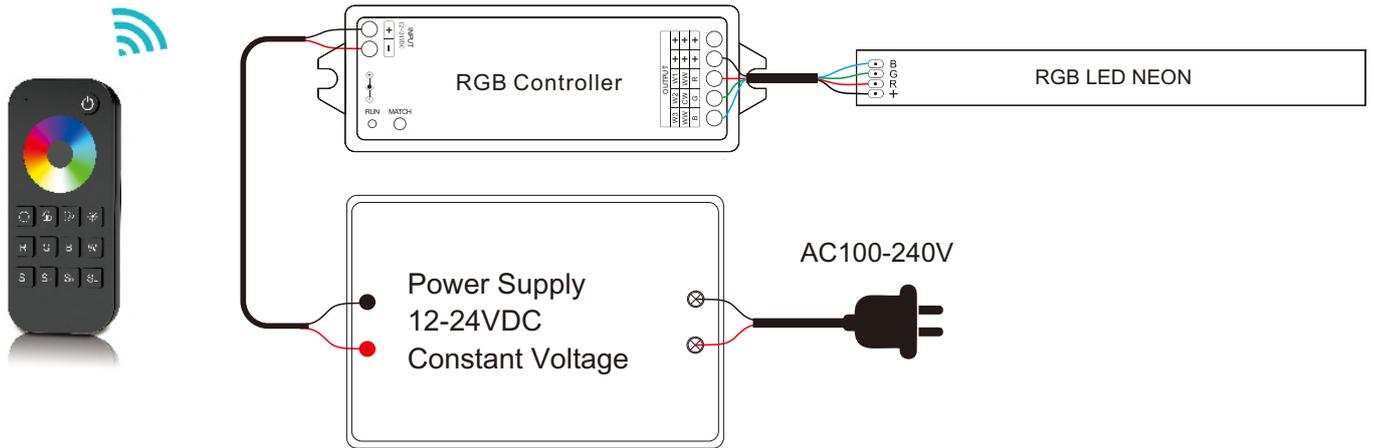
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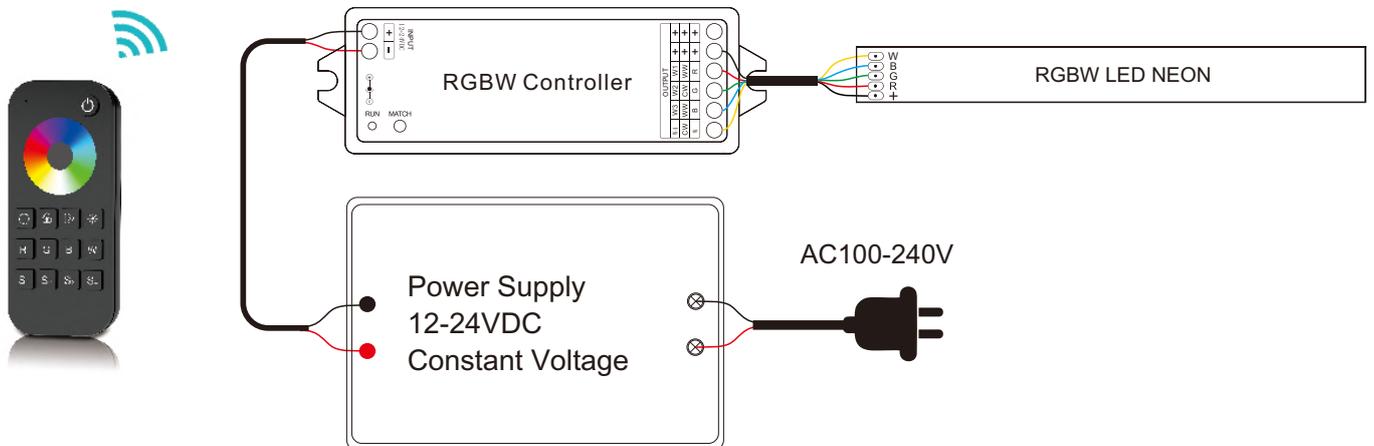
### WIRING ELECTRICAL DIAGRAM

#### RGB



### WIRING ELECTRICAL DIAGRAM

#### RGBW



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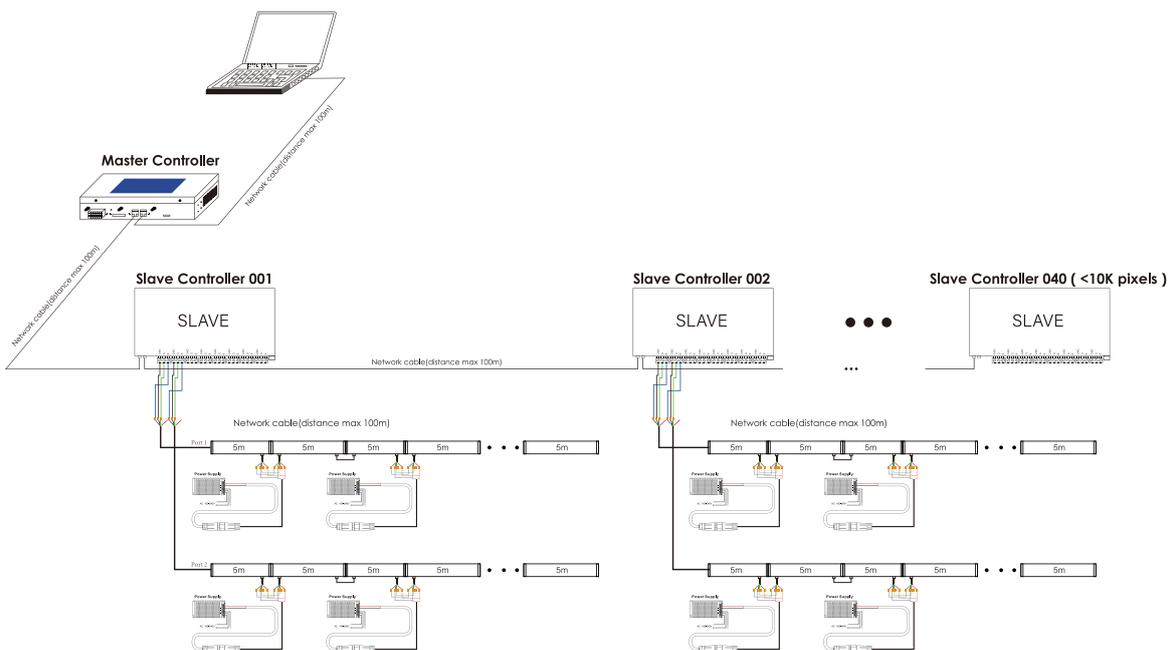
### WIRING ELECTRICAL DIAGRAM

#### RGBW-SPI



### WIRING ELECTRICAL DIAGRAM

#### RGBW-DMX-Online



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### WIRING ELECTRICAL DIAGRAM

#### RGBW-DMX-Offline

