

Neonflex Dual Bend Single Color 24V is a flexible linear lighting solution for clean, continuous lines of light in architectural applications. With dual-bend flexibility, it smoothly navigates tight curves, circular forms, and contours.

Ideal for curved facades, circular features, and artistic installations requiring three dimensional bending. The Neonflex Dual Bend Single color is perfect for a lighting scheme with high-quality light and saturated color, all with optimal color accuracy.

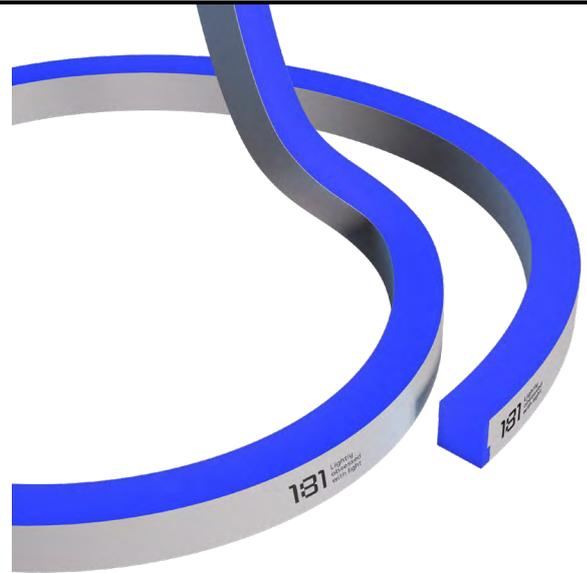
↳ Dual-bending – With optimal radius options to enable seamless integration into curved architectural elements and circular installations.

↳ Durability – IP68/IK08 rating with saltwater resistance and over 70,000 hour lifespan ensures reliable performance in harsh outdoor environments.









## Specifications

### General

Power Consumption (W/m)	13
Input Voltage (V DC)	24
LEDs (/m)	72
LED Pitch (mm)	13,89
Pixels (/m)	12
Color Range	Single Color
Beam Angle (°)	120
LEDs (/segment)	6
CRI	≥80, ≥90
Control	PWM

### Installation Conditions & Lighting Data

Segment Length (mm)	83,3
Bending Radius (mm)	H/Side 250
	V/Top 150
Maximum Run Length (m)	Single Feed 8
	Double Feed 16
Lumen Maintenance Calculated Hours (h)	70,000 Hours L70 @ 25°C
	50,000 Hours L70 @ 50°C

### Operating

Environment	Outdoor
Installation Temperature (°C)	0 to +50
Working Temperature (°C)	-40 to +55
Saltwater Resistant	Yes
UV Resistant	Yes
Flame Resistant	Yes
IK Rating	IK08
IP Rating	IP68
Certification	RoHs/CE/UL/UKCA/CB/FCC
Limited Warranty	5 Years

### Physical

Housing Material	Silicon
Cover Material	Silicon
Connector Material	Nylon (PA66)
Housing Color	White
Cable Color	Black
Connector Type	Bare Wire/M12
Weight (kg/m)	1618 0,50
Dimensions WxH (mm)	1618 16 x 18

## Options

### Color/CCT

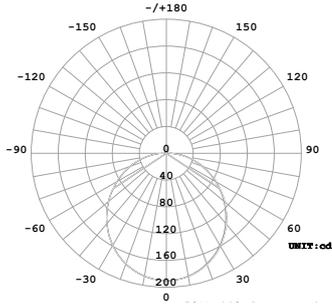
- Red
- Green
- Blue
- Yellow
- Pink

# Lighting Specifications

## Neonflex Dual Bend

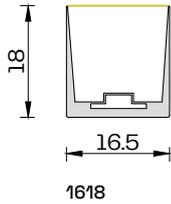
	Full Color (mm)
1618 Green	
1618 Blue	
1618 Lemon Yellow	
1618 Pink	
1618 Red	

## Photometric Distribution

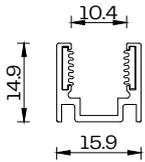


1618 - 112.6° Average Beam Angle

## Dimensions



## Accessory Options



1616 / 1618<sup>1</sup>

Straight Profile

Clip Profile

Straight Profile Cable Duct

Straight Profile Recessed

Straight Profile Transparent

Curved Profile

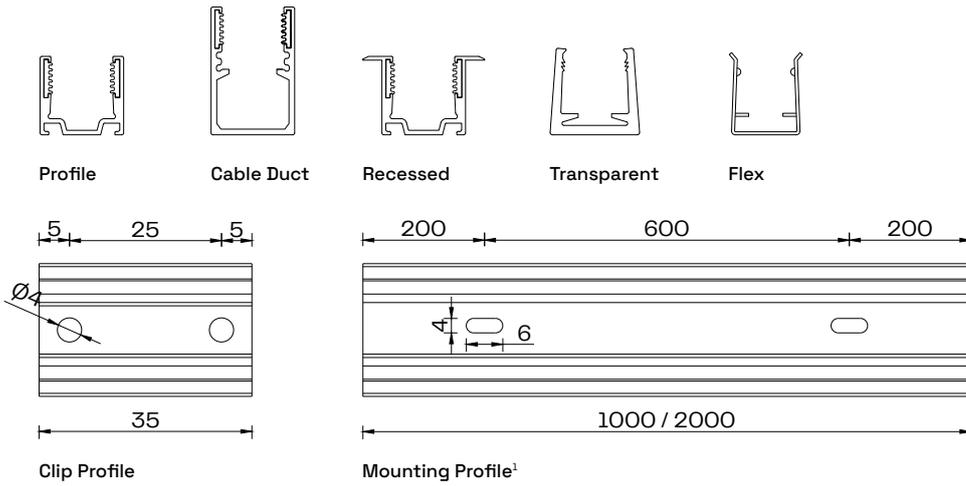
Curved Profile Cable Duct

Flex Profile

Recessed Profile End Cap

<sup>1</sup>Straight Profile is shown. The dimensions shown are not to scale. Please refer to the Dimension Sheet document for additional dimensions.

# Profile Specifications

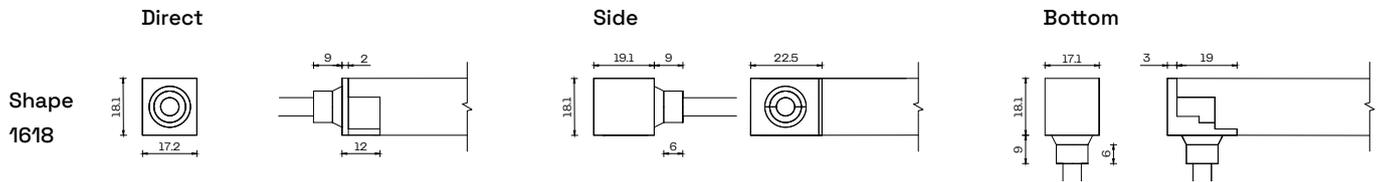


## Physical

Profile Material	Aluminum Alloy 6063
Transparent Profile Material	Polycarbonate
Aluminum Profile finish	Blank Anodized

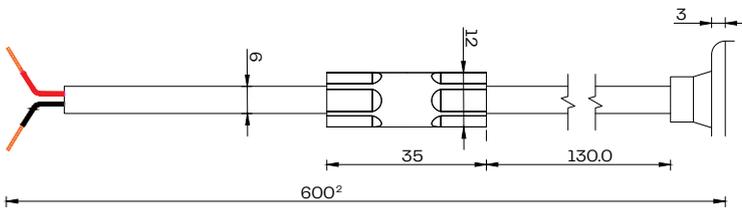
<sup>1</sup>1000mm profile is standard. 2000mm is available to order.

# Cable Entry



# Connection Options

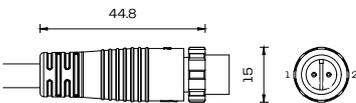
## Single Color Bare Wires with waterstop<sup>1</sup>



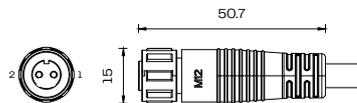
## Wire Color

Red	24 V+
Black	GND

## M12 Male Connector<sup>3</sup>



## M12 Female Connector



## Connector Pin

Pin 1	Red	24 V+
Pin 2	Black	GND

<sup>1</sup>Removing the waterstop will void the warranty.

<sup>2</sup>600 mm cable length is standard. Custom length is available on request.

<sup>3</sup>When opting for M12 connector the cable including connector is 300 mm.

# Product References

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## Neonflex

Reference	Description
3171242	Neonflex Dual Bend 1618 Green
3171243	Neonflex Dual Bend 1618 Blue
3171239	Neonflex Dual Bend 1618 Lemon Yellow
3171240	Neonflex Dual Bend 1618 Pink
3171241	Neonflex Dual Bend 1618 Red

## Accessories

### Straight Profiles

Reference	Description
3167904	Neonflex 1616 Straight Profile 1000
3167926	Neonflex 1616 Straight Profile 2000
3167934	Neonflex 1616 Clip Profile
3167967	Neonflex 1616 Straight Profile Cable Duct 1000
3167968	Neonflex 1616 Straight Profile Cable Duct 2000
3167909	Neonflex 1616 Straight Profile Recessed 1000
3167913	Neonflex 1616 Straight Profile Recessed 2000
3167960	Neonflex 1616 Recessed Profile End Cap 2pcs
3167969	Neonflex 1616/1717 Straight Profile Transparent

### Curved Profiles

Reference	Description
3167917	Neonflex Side Bend 1616 Curved Profile 1000
3167931	Neonflex Side Bend 1616 Curved Profile 2000
3167955	Neonflex Side Bend 1616 Curved Profile Cable Duct 1000
3167956	Neonflex Side Bend 1616 Curved Profile Cable Duct 2000
3167918	Neonflex Top Bend 1616 Curved Profile 1000
3167942	Neonflex Top Bend 1616 Curved Profile 2000
3167958	Neonflex Dual Bend 1616/1618 Flex Profile