

Neonflex Dual Bend White 24V

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Neonflex Dual Bend White 24V is a flexible linear lighting solution for clean, continuous lines of white lighting 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 White is perfect for a lighting scheme with high-quality white lighting.

- 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.

CERoHSLUL

IP68IK08



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	White
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

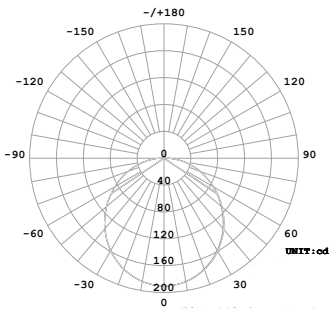
Color/CCT	
☐ 2200K	☐ 4000K
☐ 2700K	☐ 4500K
☐ 3000K	☐ 5000K
☐ 3500K	☐ 6500K

Lighting Specifications

Neonflex Dual Bend

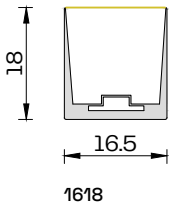
	Full White (mm)
1618 2200K	511
1618 2700K	582
1618 3000K	775
1618 3500K	618
1618 4000K	633
1618 4500K	582
1618 5000K	615
1618 6500K	

Photometric Distribution

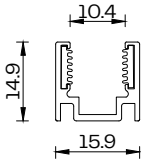


1618 - 112.6° Average Beam Angle

Dimensions



Accessory Options



- 1616 / 1618¹
- Straight Profile

Clip Profile

Straight Profile Cable Duct

Straight Profile Recessed

Straight Profile Transparent

Curved Profile

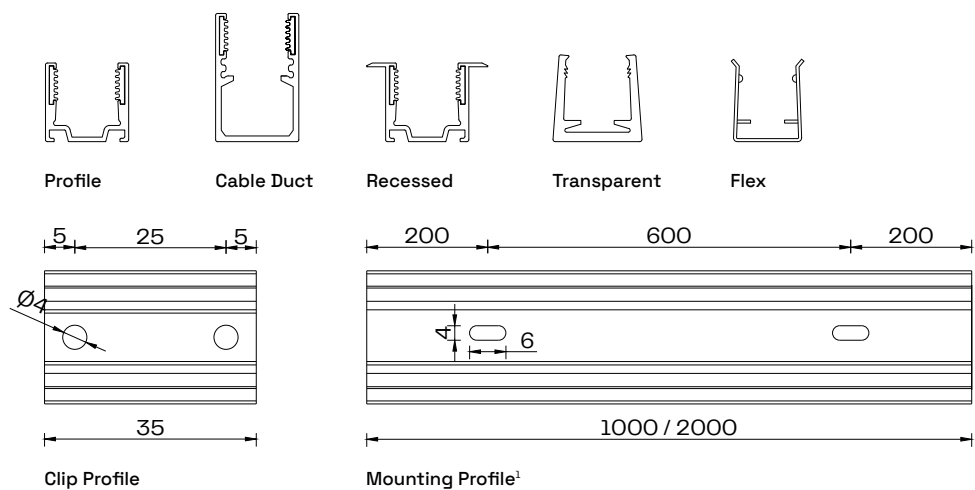
Curved Profile Cable Duct

Flex Profile

Recessed Profile End Cap

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

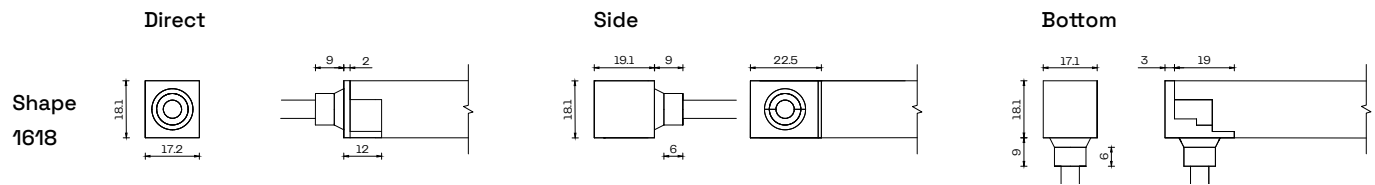
Profile Specifications



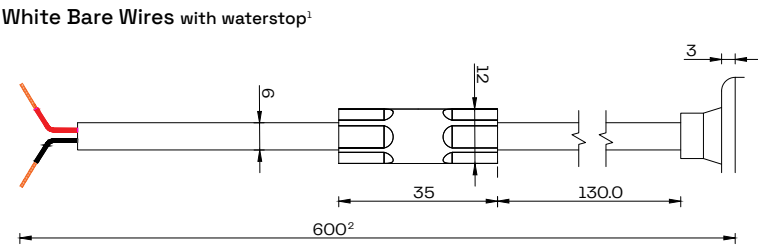
¹1000mm profile is standard. 2000mm is available to order.

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

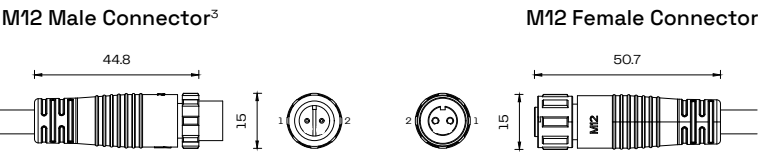
Cable Entry



Connection Options



Wire Color	
Red	24 V+
Black	GND



Connector Pin		
Pin 1	Red	24 V+
Pin 2	Black	GND

¹Removing the waterstop will void the warranty.
²600 mm cable length is standard. Custom length is available on request.
³When opting for M12 connector the cable including connector is 300 mm.

Product References

Neonflex

Reference	Description
3171231	Neonflex Dual Bend 1618 2200K
3171232	Neonflex Dual Bend 1618 2700K
3171233	Neonflex Dual Bend 1618 3000K
3171234	Neonflex Dual Bend 1618 3500K
3171235	Neonflex Dual Bend 1618 4000K
3171236	Neonflex Dual Bend 1618 4500K
3171237	Neonflex Dual Bend 1618 5000K
3171238	Neonflex Dual Bend 1618 6500K

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