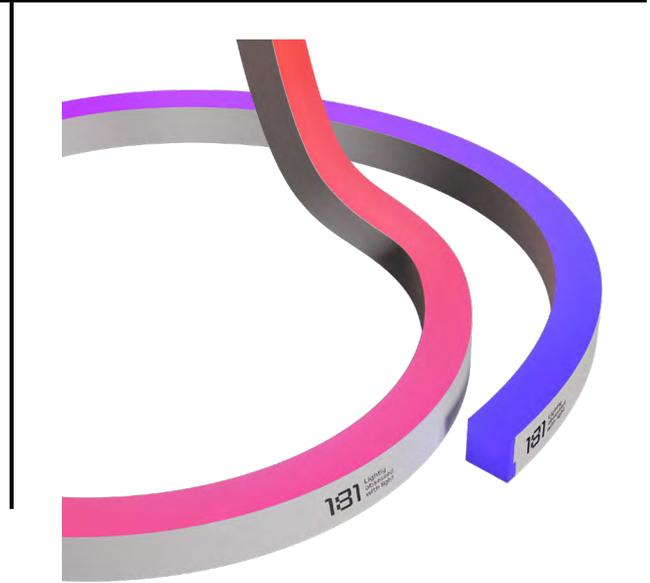


The DiGi Neonflex Dual Bend Multi Color RGBW 24V is a flexible linear lighting solution for clean, continuous lines of dynamic lighting in architectural applications. With dual-bend flexibility, it smoothly navigates tight curves, circular forms, and contours.

Ideal for curved facades, circular features, and artistic installations requiring three dimensional bending. The DiGi Neonflex Dual Bend Multi Color RGBW is perfect for a lighting scheme with high-quality dynamic 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)	20
Input Voltage (V DC)	24
LEDs (/m)	72
LED Pitch (mm)	13,89
LEDs (/segment)	6
Pixels (/m)	12
Channels (/m)	48
Beam Angle (°)	120
LED Type	4in1
Color Range	RGBW
CRI	≥80, ≥90
Control	DMX

Installation Conditions & Lighting Data		
Segment Length (mm)	83,3	
Bending Radius (mm)	Side	250
	Top	150
Maximum Run Length Power <sup>1</sup> (m)	Single Feed	4
	Double Feed	8
Maximum Run Length Data <sup>1</sup> (m)	@30fps	42
	@45fps	28
Maximum Leader Cable Length <sup>1</sup> (m)	Up to 20	
Lumen Maintenance Calculated Hours (h)	L70 @ 25°C	70,000
	L70 @ 50°C	50,000

<sup>1</sup> More details can be found in the Installation Guide document.

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	CE, RoHS, UL, UKCA, CB, FCC
Limited Warranty	5 Years

Physical		
Housing Material	Silicone	
Cable Material	Silicone	
Connector Material	Nylon (PA66)	
Housing Color	White	
Connector Type	Bare Wires / M12	
Weight (kg/m)	1618	0,5
Dimensions WxH (mm)	1618	16 x 18

## Options

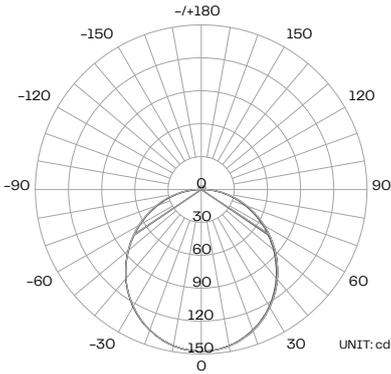
Color/CCT	
<input type="checkbox"/>	RGBW2700K
<input type="checkbox"/>	RGBW3000K
<input type="checkbox"/>	RGBW4000K
<input type="checkbox"/>	RGBW5000K

# Lighting Specifications

## DiGi Neonflex Dual Bend

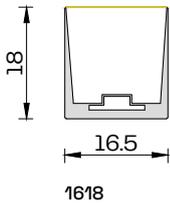
	Full RGBW (lm/m)	Red (lm/m)	Green (lm/m)	Blue (lm/m)	White (lm/m)
1618 RGBW2700K DMX					
1618 RGBW3000K DMX					
1618 RGBW4000K DMX					
1618 RGBW5000K DMX					

## Photometric Distribution

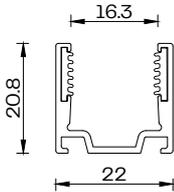


1618 - 111.8° Average Beam Angle

## Dimensions



## Accessory Options



1616 / 1618<sup>1</sup>

Straight Profile

Clip Profile<sup>2</sup>

Straight Profile Cable Duct

Straight Profile Recessed

Straight Profile Transparent

Curved Profile

Curved Profile Cable Duct

Flex Profile

Recessed Profile End Cap

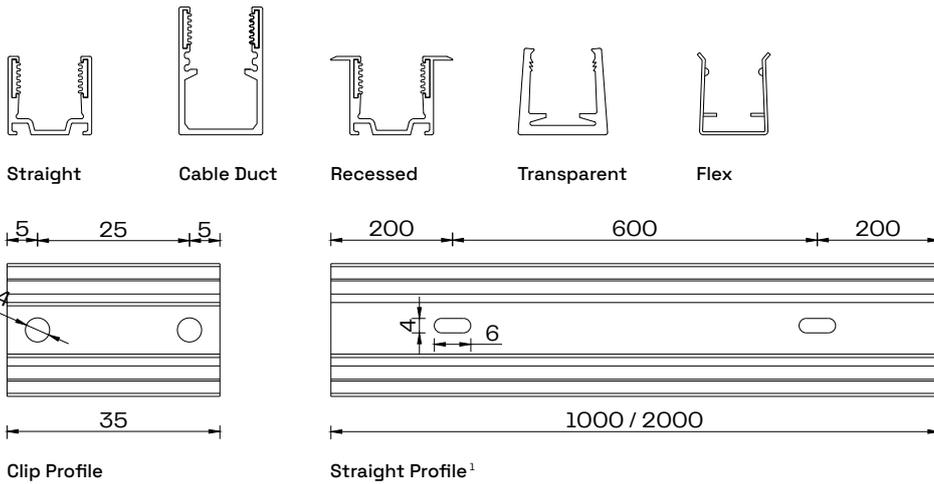
<sup>1</sup> Straight Profile is shown. The dimensions shown are not to scale. Please refer to the Dimensions Sheet document for additional dimensions.

<sup>2</sup> Straight installation has only 4 pieces per meter, while curved installation has 8 pieces per meter.

# Profile Specifications

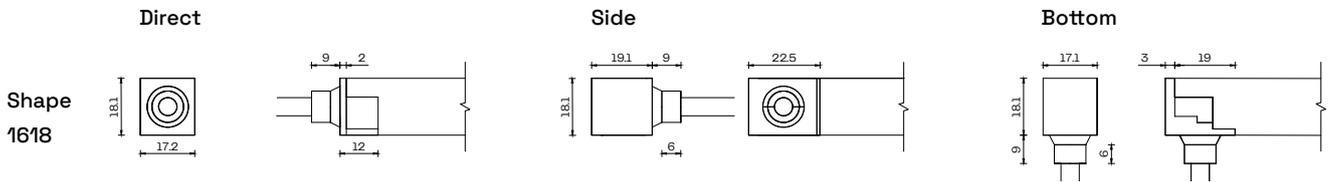
## Physical

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



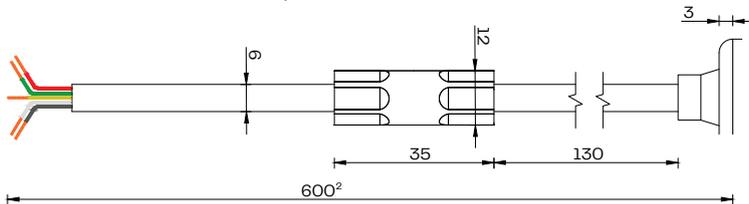
<sup>1</sup>1000mm profile is standard. 2000mm is available to order.

# Cable Entry



# Connection Options

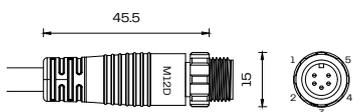
## DMX Bare Wires with waterstop<sup>1</sup>



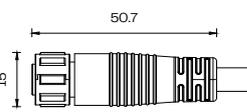
## Wire Color

Red	24 V+
Green	Data +
Yellow	Data -
White	Program
Black	GND

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



## M12 Female Connector



## Connector Pin

Pin 1	Red	24 V+
Pin 2	Green	Data +
Pin 3	White	Program
Pin 4	Yellow	Data -
Pin 5	Black	GND

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

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

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

# Product References

---

## Neonflex

Reference	Description
3171244	DiGi Neonflex Dual Bend 1618 RGBW2700K DMX
3171245	DiGi Neonflex Dual Bend 1618 RGBW3000K DMX
3171246	DiGi Neonflex Dual Bend 1618 RGBW4000K DMX
3171247	DiGi Neonflex Dual Bend 1618 RGBW5000K DMX

## 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