DiGi Neonflex Side Bend Multi Color RGBW 48V

The DiGi Neonflex Side Bend Multi Color RGBW 48V is a flexible linear lighting solution for clean, continuous lines of dynamic RGBW lighting in architectural applications. With side-bend flexibility, it smoothly navigates tight curves, circular forms, and contours.

Ideal for curved facades, circular features, and artistic installations requiring lateral bending. The DiGi Neonflex Side Bend Multi Color RGBW is perfect for dynamic lighting schemes with high-quality RGBW lighting.

↳ Application-Driven Format – Multiple shapes and sizes enable seamless integration into both compact and large-scale architectural elements.

↳ Precise Dynamic Effects – From subtle fades to sweeping movement, pixel-controlled white lighting brings dynamic expression to static tones.

CE   RoHS   IP68   IK08   UL   UKCA   FC
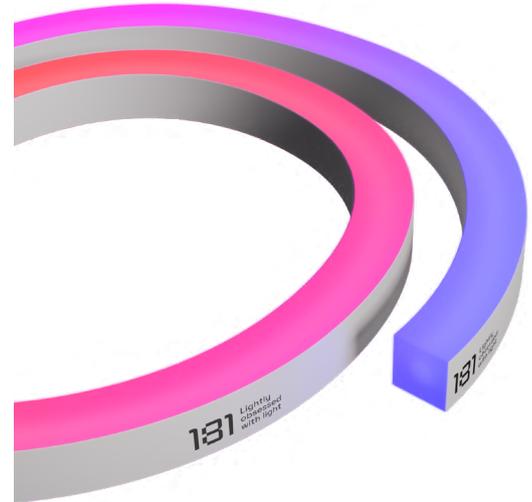
Specifications

General

Power Consumption (W/m)	20
Input Voltage (V DC)	48
LEDs (/m)	84
LED Pitch (mm)	11,9
LEDs (/segment)	14
Pixels (/m)	6
Channels (/m)	24
Beam Angle (°)	1121, 1616, 2222	120
	1128	270
LED Type	4in1
Color Range	RGBW
CRI	≥80, ≥90
Control	DMX

Installation Conditions & Lighting Data

Segment Length (mm)	167	
Bending Radius (mm)	1121, 1128	80
	1616	150
	2222	400
Maximum Run Length Power[1] (m)	Single Feed	20
	Double Feed	40
Maximum Run Length Data[1] (m)	@30fps	85
	@45fps	57
Maximum Leader Cable Length[1] (m)	Up to 20	
Lumen Maintenance Calculated Hours (h)	L70 @ 25°C 70,000 L70 @ 50°C 50,000	

[1] 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)	1121, 1616	0,45
	1128	0,55
	2222	0,6
Dimensions WxH (mm)	1121	11,5 x 21
	1616	16,5 x 16,5
	1128	11,5 x 28
	2222	22,4 x 22,6

Options

Color/CCT

☐ RGBW2700K
☐ RGBW3000K
☐ RGBW4000K
☐ RGBW5000K

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Lighting Specifications

## DiGi Neonflex Side Bend

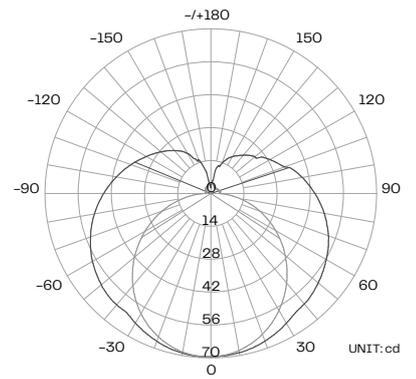|	Full RGBW (lm/m)	Red (lm/m)	Green (lm/m)	Blue (lm/m)	White (lm/m)
1121 48V RGBW2700K DMX					
1121 48V RGBW3000K DMX					
1121 48V RGBW4000K DMX					
1121 48V RGBW5000K DMX					
1616 48V RGBW2700K DMX					
1616 48V RGBW3000K DMX					
1616 48V RGBW4000K DMX					
1616 48V RGBW5000K DMX					
1128 48V RGBW2700K DMX					
1128 48V RGBW3000K DMX					
1128 48V RGBW4000K DMX					
1128 48V RGBW5000K DMX					
2222 48V RGBW2700K DMX					
2222 48V RGBW3000K DMX					
2222 48V RGBW4000K DMX					
2222 48V RGBW5000K DMX					

Photometric Distribution
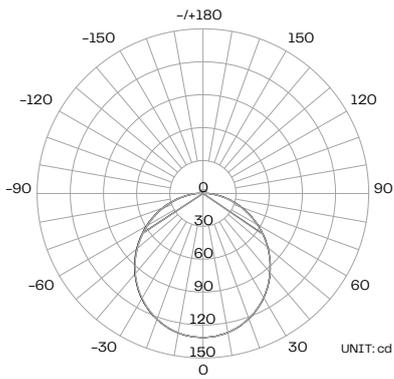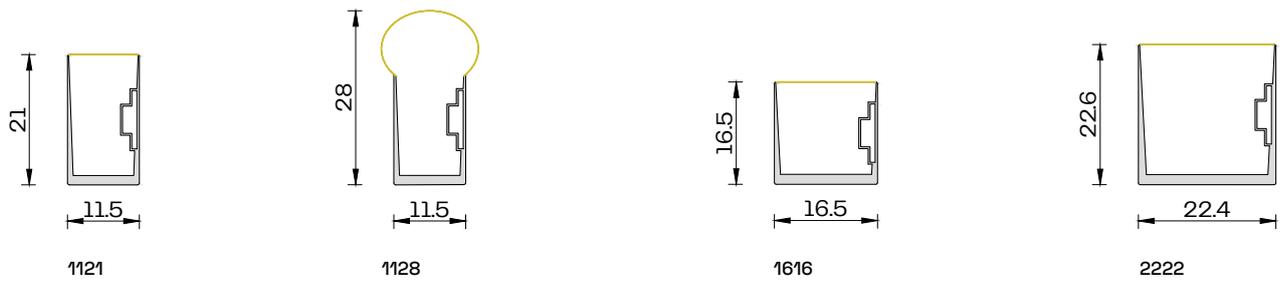

1121 - 111.9° Average Beam Angle
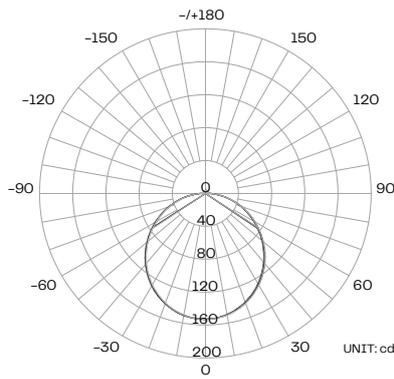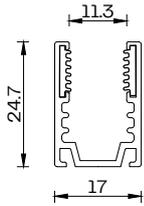

1616 - 113.1° Average Beam Angle

1128 - 167.6° Average Beam Angle

Dimensions
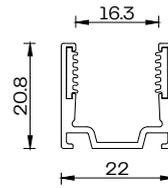
21 | 11.5 | **1121**

28 | 11.5 | **1128**

16.5 | 16.5 | **1616**

22.6 | 22.4 | **2222**

Accessory Options

24.7 | 11.3 | 17

1121 / 1128 [1]

| Straight Profile |
| Clip Profile [2] |
| Straight Profile Cable Duct |
| Straight Profile Transparent |
| Curved Profile |

20.8 | 16.3 | 22

1616 [1]

| Straight Profile |
| Clip Profile [2] |
| Straight Profile Cable Duct |
| Straight Profile Recessed |
| Straight Profile Transparent |
| Curved Profile |
| Curved Profile Cable Duct |
| Recessed Profile End Cap |

26.3 | 22 | 27.7
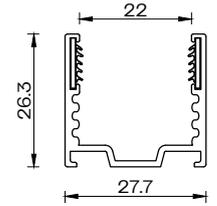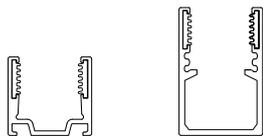
2222 [1]

| Straight Profile |
| Clip Profile [2] |
| Straight Profile Cable Duct |
| Curved Profile |

[1] Straight Profile is shown. The dimensions shown are not to scale. Please refer to the Dimensions Sheet document for additional dimensions.
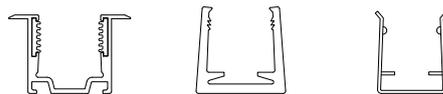[2] Straight installation has only 4 pieces per meter, while curved installation has 8 pieces per meter.
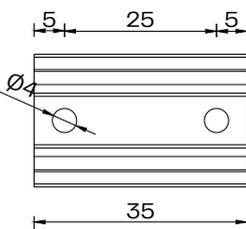
Profile Specifications

Straight | **Cable Duct** | **Recessed** | **Transparent** | **Flex**

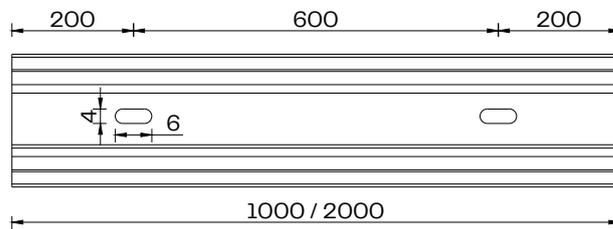| Physical	
Profile Material	Aluminum Alloy 6063
Transparent Profile Material	Polycarbonate
Aluminum Profile Finish	Blank Anodized

5 | 25 | 5

Ø4

35

Clip Profile

200 | 600 | 200

4 | 6

1000 / 2000

Straight Profile [1]

[1] 1000mm profile is standard. 2000mm is available to order.

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Cable Entry Options

	Direct	Side	Bottom
Shape 1121			
Shape 1616			
Shape 1128			
Shape 2222			
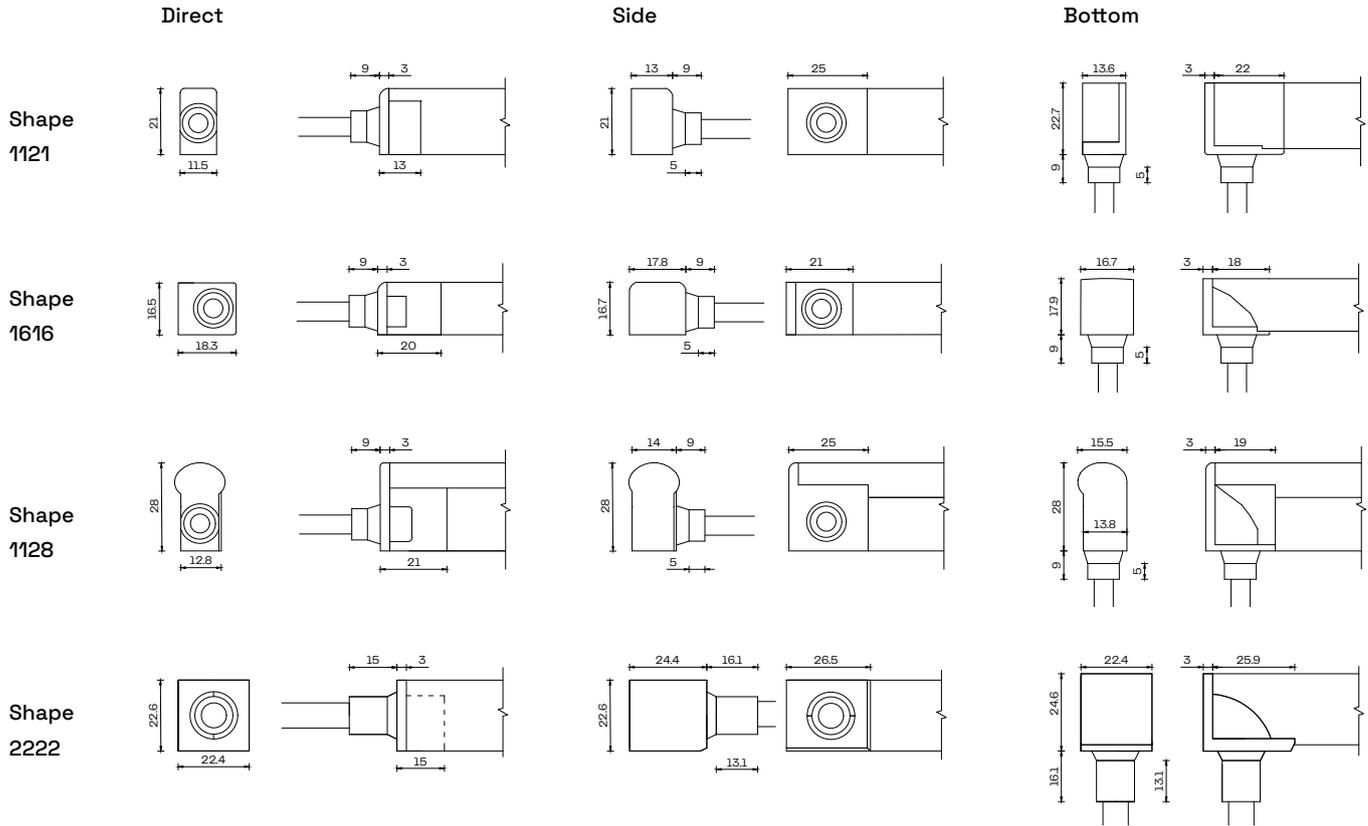
Connection Options

DMX Bare Wires with waterstop [1]
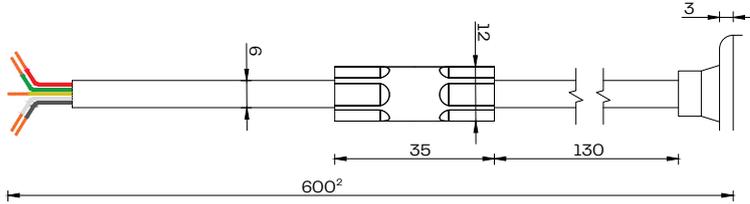
M12 Male Connector [3]
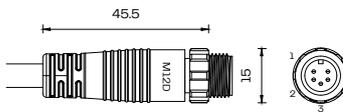
M12 Female Connector
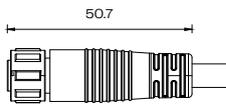
Wire Color

Red	48 V+
Green	Data +
Yellow	Data –
White	Program
Black	GND

Connector Pin

Pin 1	Red	48 V+
Pin 2	Green	Data +
Pin 3	White	Program
Pin 4	Yellow	Data –
Pin 5	Black	GND

[1] Removing the waterstop will void the warranty.
[2] 600mm cable length is standard. Custom length is available on request.
[3] When opting for M12 connector the cable including connector is 300mm.

Product References

DiGi Neonflex

Reference	Description
3171760	DiGi Neonflex Side Bend 1121 48V RGBW2700K DMX
3171761	DiGi Neonflex Side Bend 1121 48V RGBW3000K DMX
3171762	DiGi Neonflex Side Bend 1121 48V RGBW4000K DMX
3171763	DiGi Neonflex Side Bend 1121 48V RGBW5000K DMX
3171764	DiGi Neonflex Side Bend 1616 48V RGBW2700K DMX
3171765	DiGi Neonflex Side Bend 1616 48V RGBW3000K DMX
3171766	DiGi Neonflex Side Bend 1616 48V RGBW4000K DMX
3171767	DiGi Neonflex Side Bend 1616 48V RGBW5000K DMX
3171768	DiGi Neonflex Side Bend 1128 48V RGBW2700K DMX
3171769	DiGi Neonflex Side Bend 1128 48V RGBW3000K DMX
3171770	DiGi Neonflex Side Bend 1128 48V RGBW4000K DMX
3171771	DiGi Neonflex Side Bend 1128 48V RGBW5000K DMX
3171772	DiGi Neonflex Side Bend 2222 48V RGBW2700K DMX
3171773	DiGi Neonflex Side Bend 2222 48V RGBW3000K DMX
3171774	DiGi Neonflex Side Bend 2222 48V RGBW4000K DMX
3171775	DiGi Neonflex Side Bend 2222 48V RGBW5000K DMX

Accessories

Straight Profiles

Reference	Description
3167905	Neonflex 1121/1128 Straight Profile 1000
3167929	Neonflex 1121/1128 Straight Profile 2000
3167939	Neonflex 1121/1128 Clip Profile
3167964	Neonflex 1121/1128 Straight Profile Cable Duct 1000
3167965	Neonflex 1121/1128 Straight Profile Cable Duct 2000
3167966	Neonflex 1121/1128 Straight Profile Transparent
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
3167970	Neonflex 2222 Straight Profile 1000
3167971	Neonflex 2222 Straight Profile 2000
3167972	Neonflex 2222 Clip Profile
3167973	Neonflex 2222 Straight Profile Cable Duct 1000
3167974	Neonflex 2222 Straight Profile Cable Duct 2000

Curved Profiles

Reference	Description
3167919	DiGi Neonflex Side Bend 1121/1128 Curved Profile 1000
3167946	DiGi Neonflex Side Bend 1121/1128 Curved Profile 2000
3167917	DiGi Neonflex Side Bend 1616 Curved Profile 1000
3167931	DiGi Neonflex Side Bend 1616 Curved Profile 2000
3167955	DiGi Neonflex Side Bend 1616 Curved Profile Cable Duct 1000
3167956	DiGi Neonflex Side Bend 1616 Curved Profile Cable Duct 2000
3167957	DiGi Neonflex Side Bend 2222 Curved Profile 1000
3167980	DiGi Neonflex Side Bend 2222 Curved Profile 2000

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