DiGi Neonflex Side Bend Multi Color RGB 48V

The DiGi Neonflex Side Bend Multi Color RGB 48V is a flexible linear lighting solution for clean, continuous lines of dynamic RGB 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 RGB is perfect for dynamic lighting schemes with high-quality RGB 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
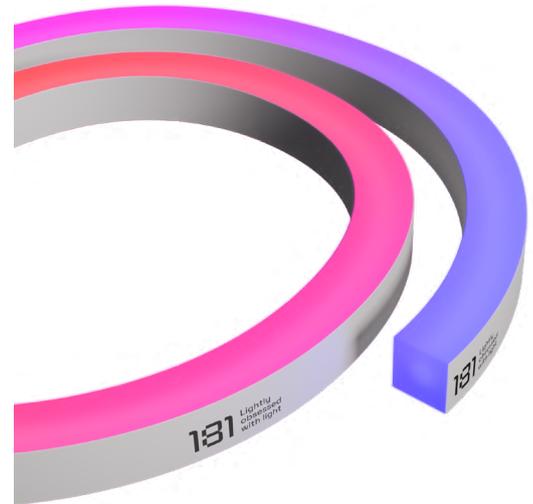
Specifications

General

Power Consumption (W/m)	1121, 1616	17
	1128, 2222	15
Input Voltage (V DC)	48	
LEDs (/m)	84	
LED Pitch (mm)	11,9	
LEDs (/segment)	14	
Pixels (/m)	6	
Channels (/m)	18	
Beam Angle (°)	1121, 1616, 2222	120
	1128	270
LED Type	3in1	
Color Range	RGB	
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	114
	@45fps	76
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

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Lighting Specifications

DiGi Neonflex Side Bend

	Full RGB (lm/m)	Red (lm/m)	Green (lm/m)	Blue (lm/m)
1121 48V RGB DMX				
1616 48V RGB DMX				
1128 48V RGB DMX				
2222 48V RGB DMX				

Photometric Distribution

Dimensions

21

11.5

1121

28

11.5

1128

16.5

16.5

1616

22.6

22.4

2222
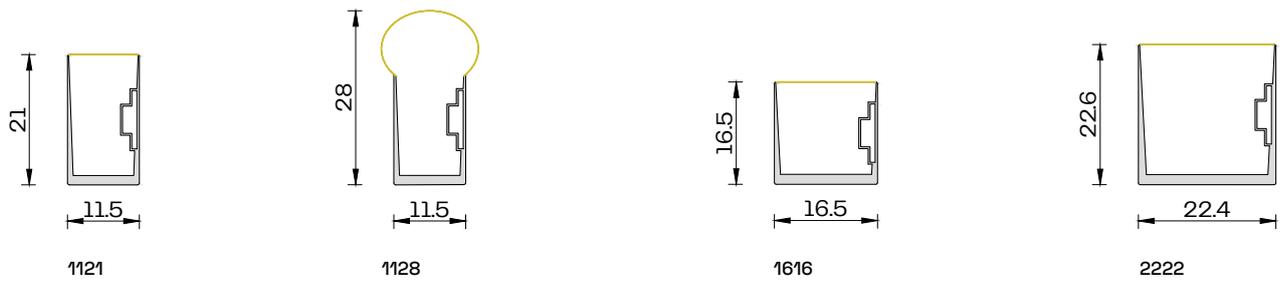
Accessory Options

11.3

24.7

17
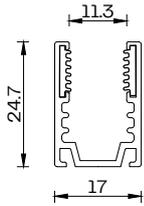
1121 / 1128 [1]

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

16.3

20.8

22
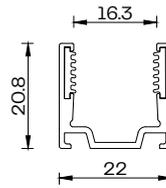
1616 [1]

| 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 |

22

26.3

27.7
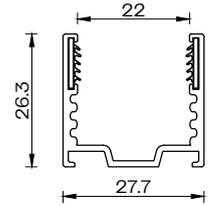
2222 [1]

| 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.
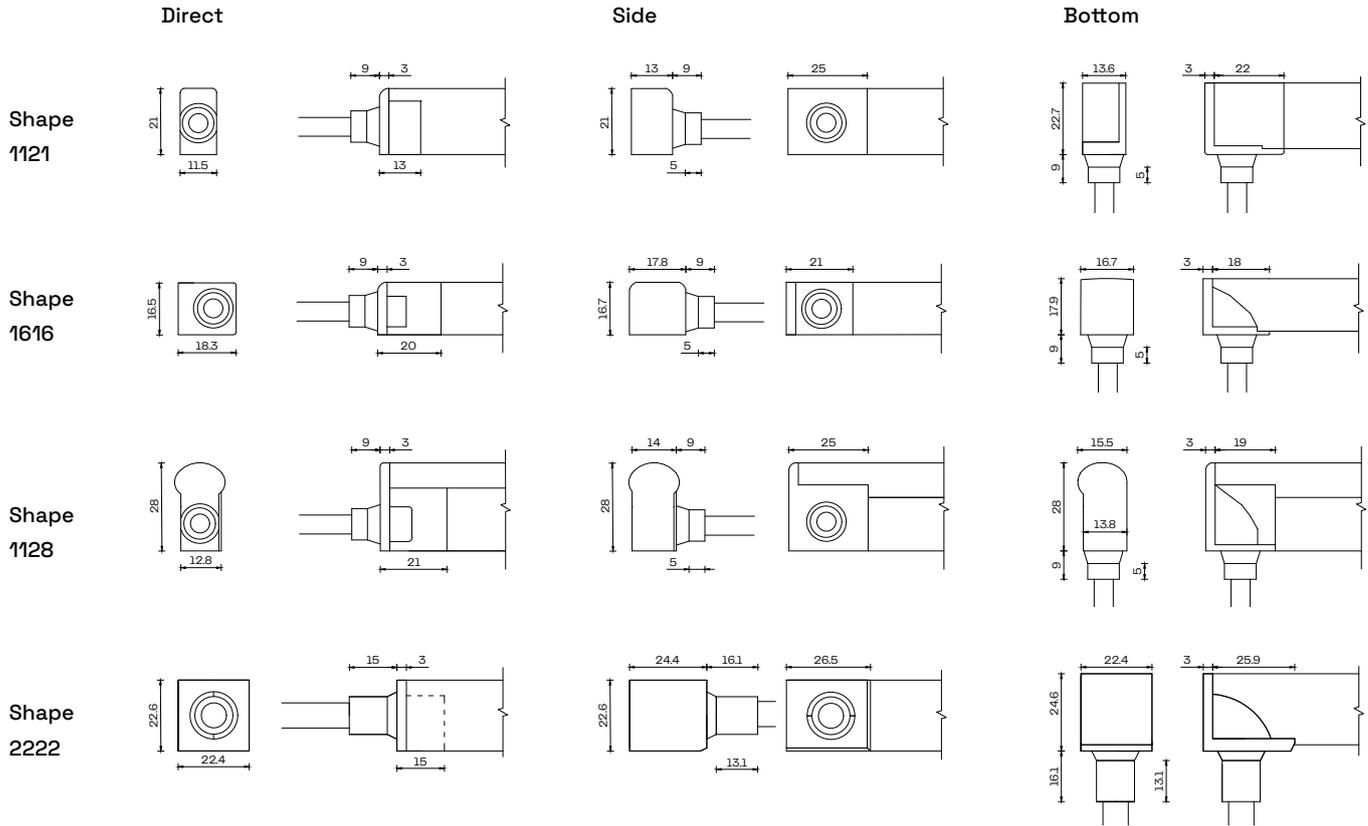
Profile Specifications

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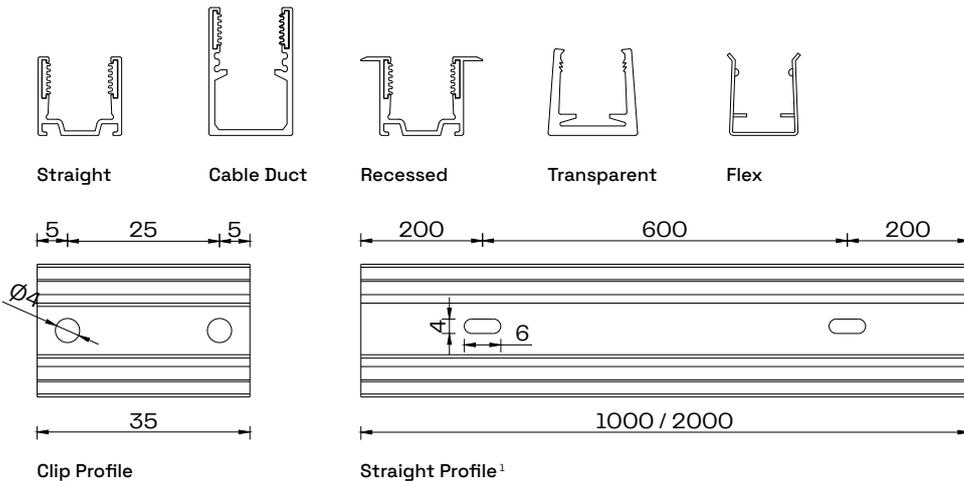
[1] 1000mm profile is standard. 2000mm is available to order.

Cable Entry Options

	Direct	Side	Bottom
Shape 1121			
Shape 1616			
Shape 1128			
Shape 2222			

Connection Options

DMX Bare Wires with waterstop [1]
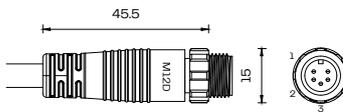
Wire Color

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

M12 Male Connector [3]

M12 Female Connector

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
3171724	DiGi Neonflex Side Bend 1121 48V RGB DMX
3171725	DiGi Neonflex Side Bend 1616 48V RGB DMX
3171726	DiGi Neonflex Side Bend 1128 48V RGB DMX
3171727	DiGi Neonflex Side Bend 2222 48V RGB 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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