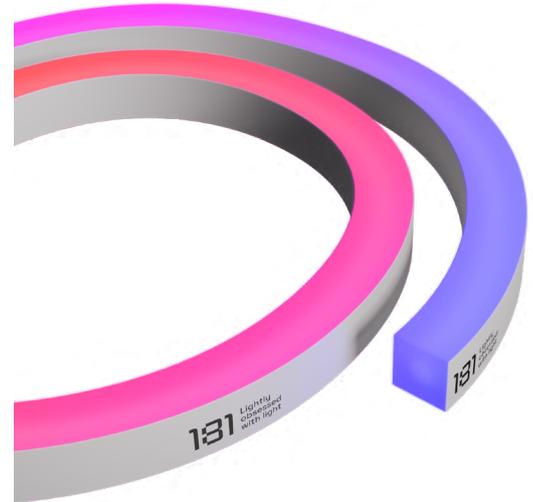


The DiGi Neonflex Side Bend Multi Color RGB 24V is a flexible linear lighting solution for clean, continuous lines of dynamic RGB lighting in architectural applications. With side-bend flexibility, it smoothly navigates tight curves, circular forms, and contours.

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.



Specifications

General	
Power Consumption (W/m)	14
Input Voltage (V DC)	24
LEDs (/m)	70
LED Pitch (mm)	14,29
LEDs (/segment)	7
Pixels (/m)	10
Channels (/m)	30
Beam Angle (°)	1121, 1616, 2222 120
	1128 270
LED Type	3in1
Color Range	RGB
Control ¹	DMX / SPI

¹ Compatible SPI protocol can be found on the fixture.

Installation Conditions & Lighting Data		
Segment Length (mm)	100	
Bending Radius (mm)	1121, 1128	80
	1616	150
	2222	400
Maximum Run Length Power ² (m)	Single Feed	8
	Double Feed	16
Maximum Run Length DMX ² (m)	@30fps	63
	@45fps	45
Maximum Run Length SPI ² (m)	@30fps	44
	@50fps	26
Maximum Leader Cable Length ² (m)	Up to 20	
Lumen Maintenance Calculated	L70 @ 25°C 70,000	
Hours (h)	L70 @ 50°C 50,000	

² 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

Control
<input type="checkbox"/> SPI
<input type="checkbox"/> DMX

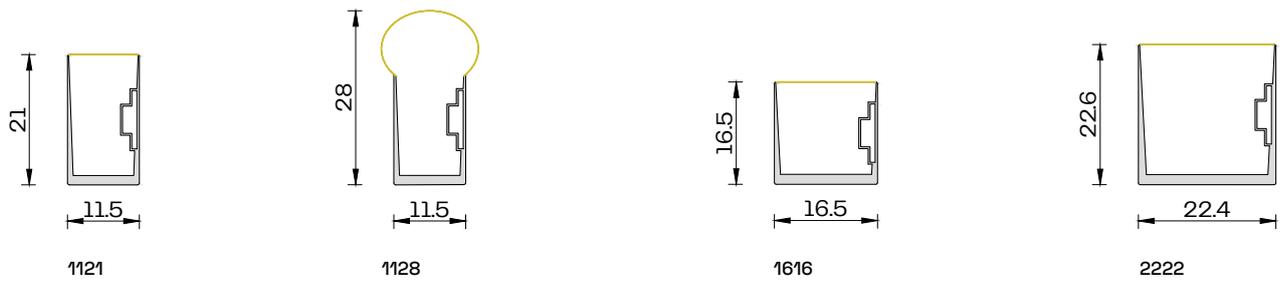
Lighting Specifications

DiGi Neonflex Side Bend

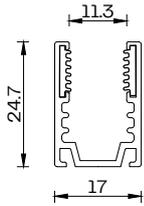
	Full RGB (lm/m)	Red (lm/m)	Green (lm/m)	Blue (lm/m)
1121 RGB SPI				
1121 RGB DMX				
1616 RGB SPI				
1616 RGB DMX				
1128 RGB SPI				
1128 RGB DMX				
2222 RGB SPI				
2222 RGB DMX				

Photometric Distribution

Dimensions

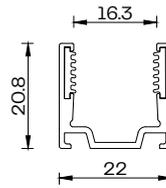


Accessory Options



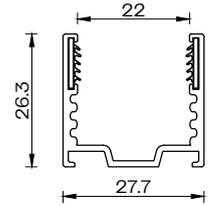
1121 / 1128¹

- ____ Straight Profile
- ____ Clip Profile²
- ____ Straight Profile Cable Duct
- ____ Straight Profile Transparent
- ____ Curved Profile



1616¹

- ____ Straight Profile
- ____ Clip Profile²
- ____ Straight Profile Cable Duct
- ____ Straight Profile Recessed
- ____ Straight Profile Transparent
- ____ Curved Profile
- ____ Curved Profile Cable Duct
- ____ Recessed Profile End Cap



2222¹

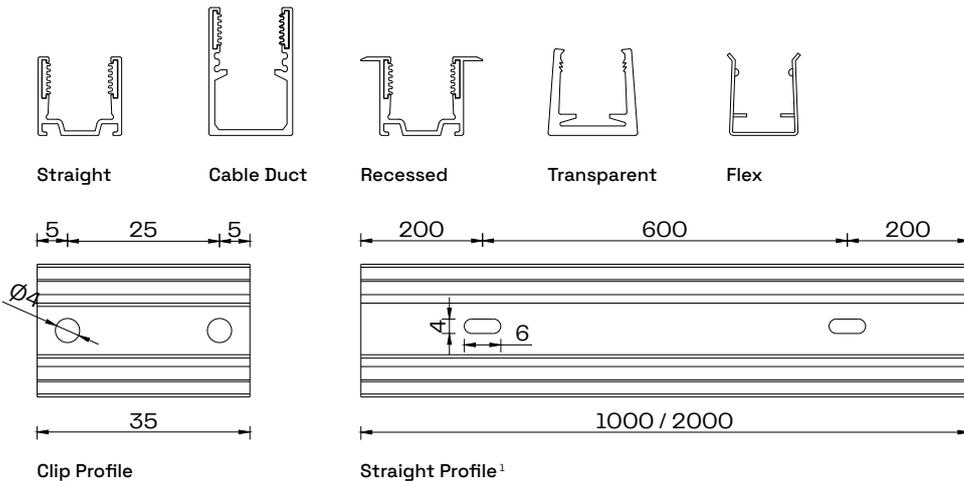
- ____ Straight Profile
- ____ Clip Profile²
- ____ Straight Profile Cable Duct
- ____ Curved Profile

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

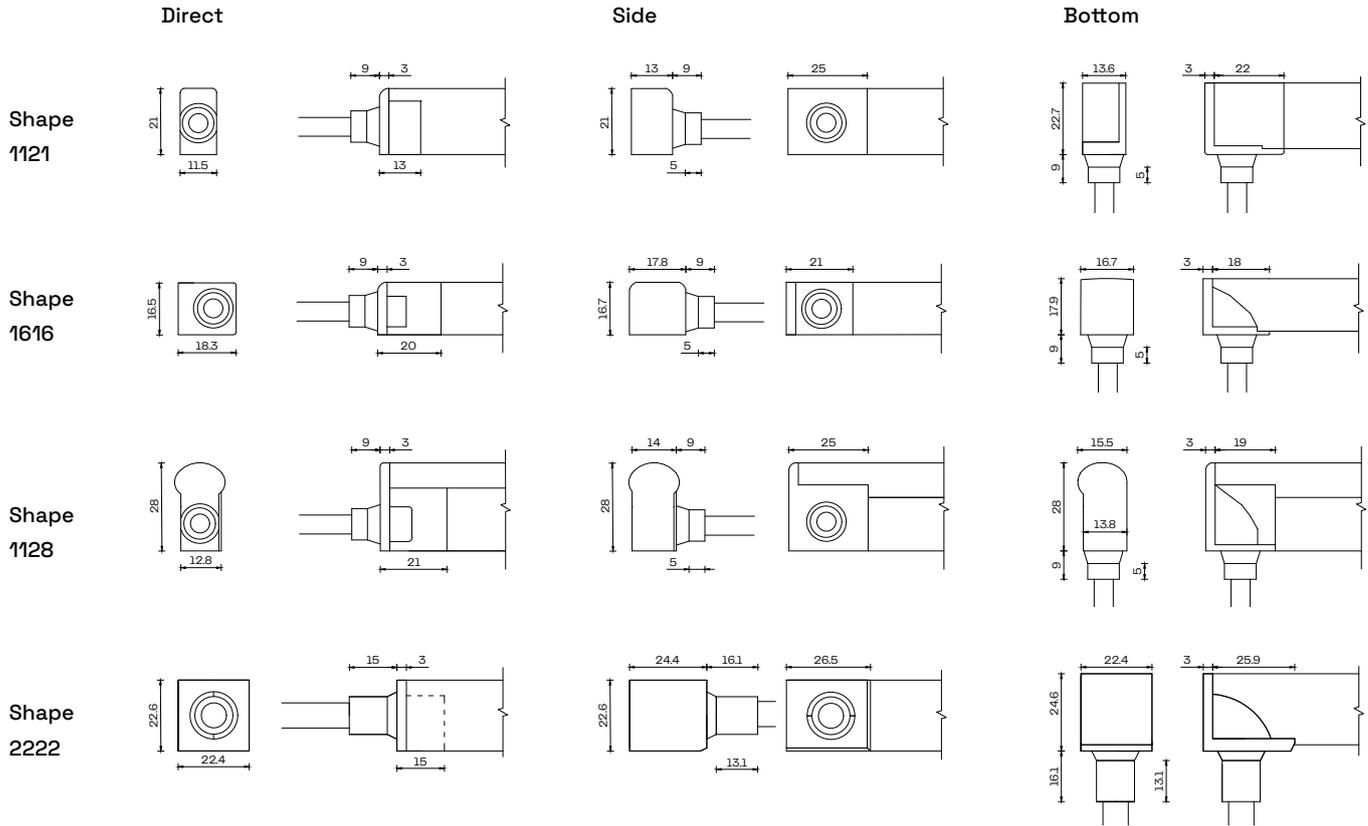
Physical

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



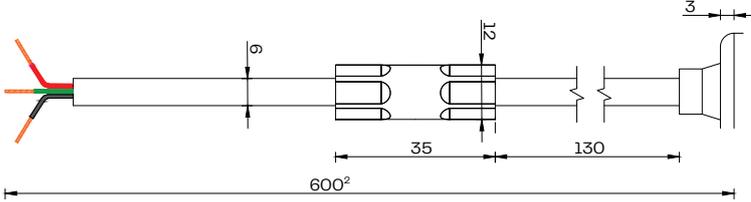
¹ 1000mm profile is standard. 2000mm is available to order.

Cable Entry Options

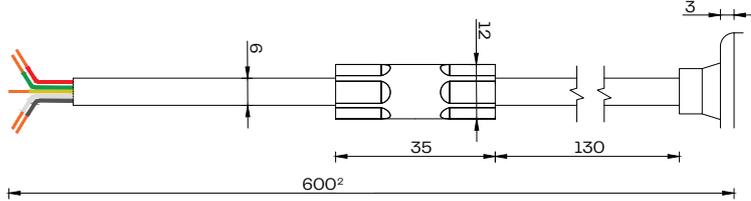


Connection Options

SPI Bare Wires with waterstop¹



DMX Bare Wires with waterstop¹



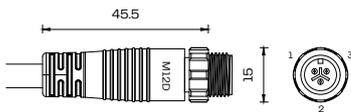
Wire Color

Red	24 V+
Green	Data
Black	GND

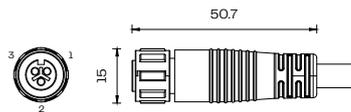
Wire Color

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

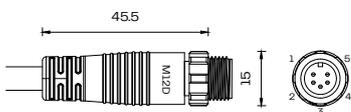
M12 Male Connector³



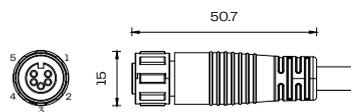
M12 Female Connector



M12 Male Connector³



M12 Female Connector



Connector Pin

Pin 1	Red	24 V+
Pin 2	Green	Data
Pin 3	Black	GND

Connector Pin

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

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

Product References

DiGi Neonflex

Reference	Description
3171717	DiGi Neonflex Side Bend 1121 RGB SPI
3171716	DiGi Neonflex Side Bend 1121 RGB DMX
3171719	DiGi Neonflex Side Bend 1616 RGB SPI
3171718	DiGi Neonflex Side Bend 1616 RGB DMX
3171721	DiGi Neonflex Side Bend 1128 RGB SPI
3171720	DiGi Neonflex Side Bend 1128 RGB DMX
3171723	DiGi Neonflex Side Bend 2222 RGB SPI
3171722	DiGi Neonflex Side Bend 2222 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