

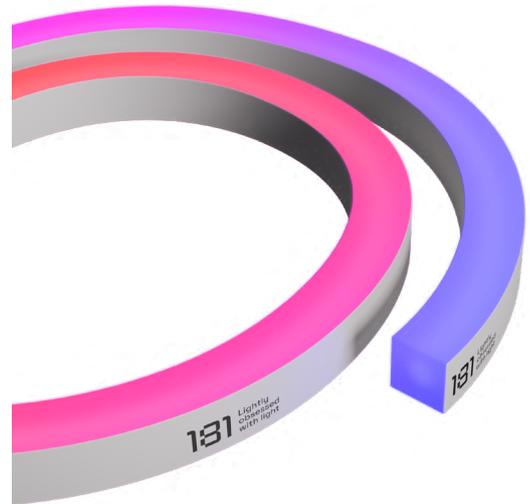
DiGi Neonflex Side Bend Multi Color RGBW 24V

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The DiGi Neonflex Side Bend Multi Color RGBW 24V 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.



Specifications

General

Power Consumption (W/m)	18
Input Voltage (V DC)	24
LEDs (/m)	70
LED Pitch (mm)	14,29
LEDs (/segment)	7
Pixels (/m)	10
Channels (/m)	40
Beam Angle (°)	1121, 1616, 2222 120
	1128 270
LED Type	4in1
Color Range	RGBW
CRI	≥80, ≥90
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 51
	@45fps 34
Maximum Run Length SPI ² (m)	@30fps 33
	@50fps 19
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

Color/CCT

- RGBW2700K
- RGBW3000K
- RGBW4000K
- RGBW5000K

Control

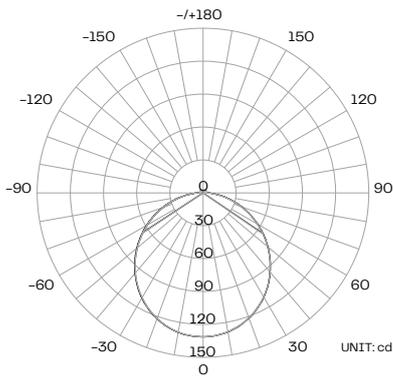
- SPI
- DMX

Lighting Specifications

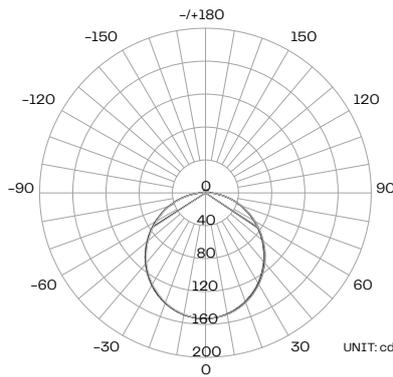
DiGi Neonflex Side Bend

	Full RGBW (lm/m)	Red (lm/m)	Green (lm/m)	Blue (lm/m)	White (lm/m)
1121 RGBW2700K SPI	397	51	155	33	176
1121 RGBW3000K SPI	357	53	145	31	155
1121 RGBW4000K SPI	371	56	150	30	160
1121 RGBW5000K SPI					
1121 RGBW2700K DMX	367	51	148	29	155
1121 RGBW3000K DMX	355	55	139	29	157
1121 RGBW4000K DMX	364	52	144	29	154
1121 RGBW5000K DMX					
1616 RGBW2700K SPI					
1616 RGBW3000K SPI					
1616 RGBW4000K SPI					
1616 RGBW5000K SPI					
1616 RGBW2700K DMX					
1616 RGBW3000K DMX					
1616 RGBW4000K DMX					
1616 RGBW5000K DMX					
1128 RGBW2700K SPI					
1128 RGBW3000K SPI					
1128 RGBW4000K SPI					
1128 RGBW5000K SPI					
1128 RGBW2700K DMX					
1128 RGBW3000K DMX					
1128 RGBW4000K DMX					
1128 RGBW5000K DMX					
2222 RGBW2700K SPI					
2222 RGBW3000K SPI					
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2222 RGBW5000K SPI					
2222 RGBW2700K DMX					
2222 RGBW3000K DMX					
2222 RGBW4000K DMX					
2222 RGBW5000K DMX					

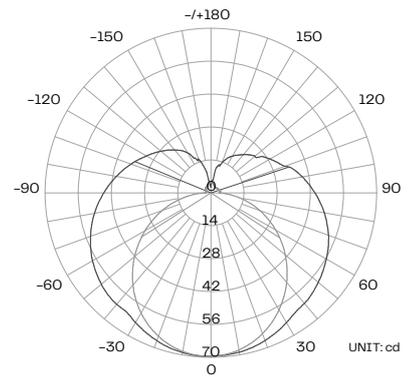
Photometric Distribution



1121 - 111.9° Average Beam Angle

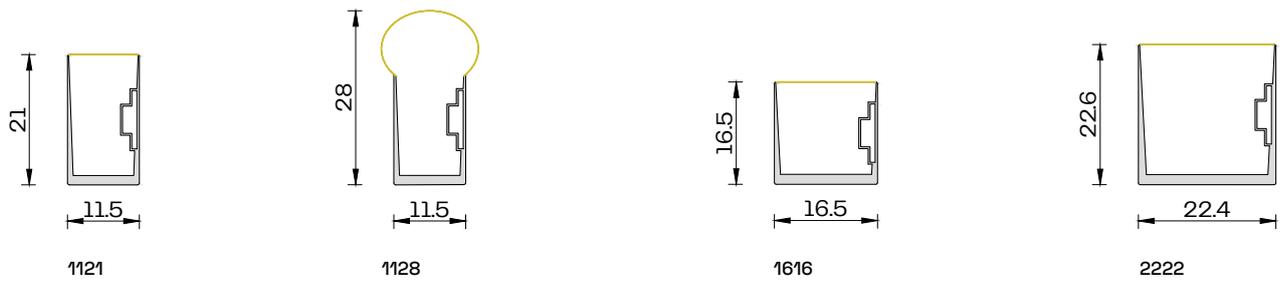


1616 - 113.1° Average Beam Angle

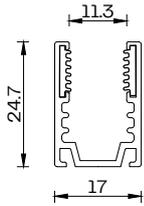


1128 - 167.6° Average Beam Angle

Dimensions

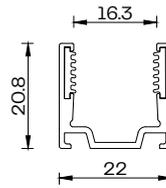


Accessory Options



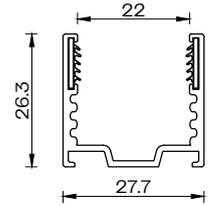
1121 / 1128¹

- ____ 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

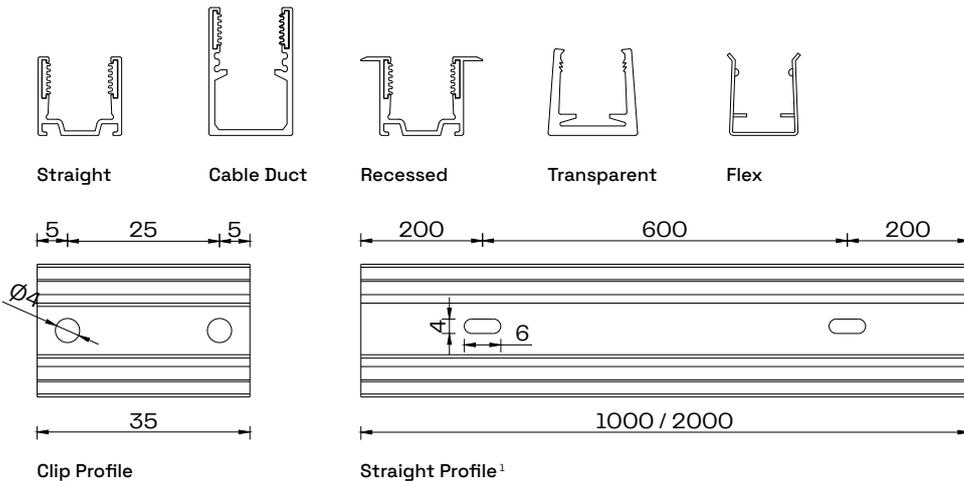
- ____ Straight Profile
- ____ Clip Profile²
- ____ Straight Profile Cable Duct
- ____ Curved Profile

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

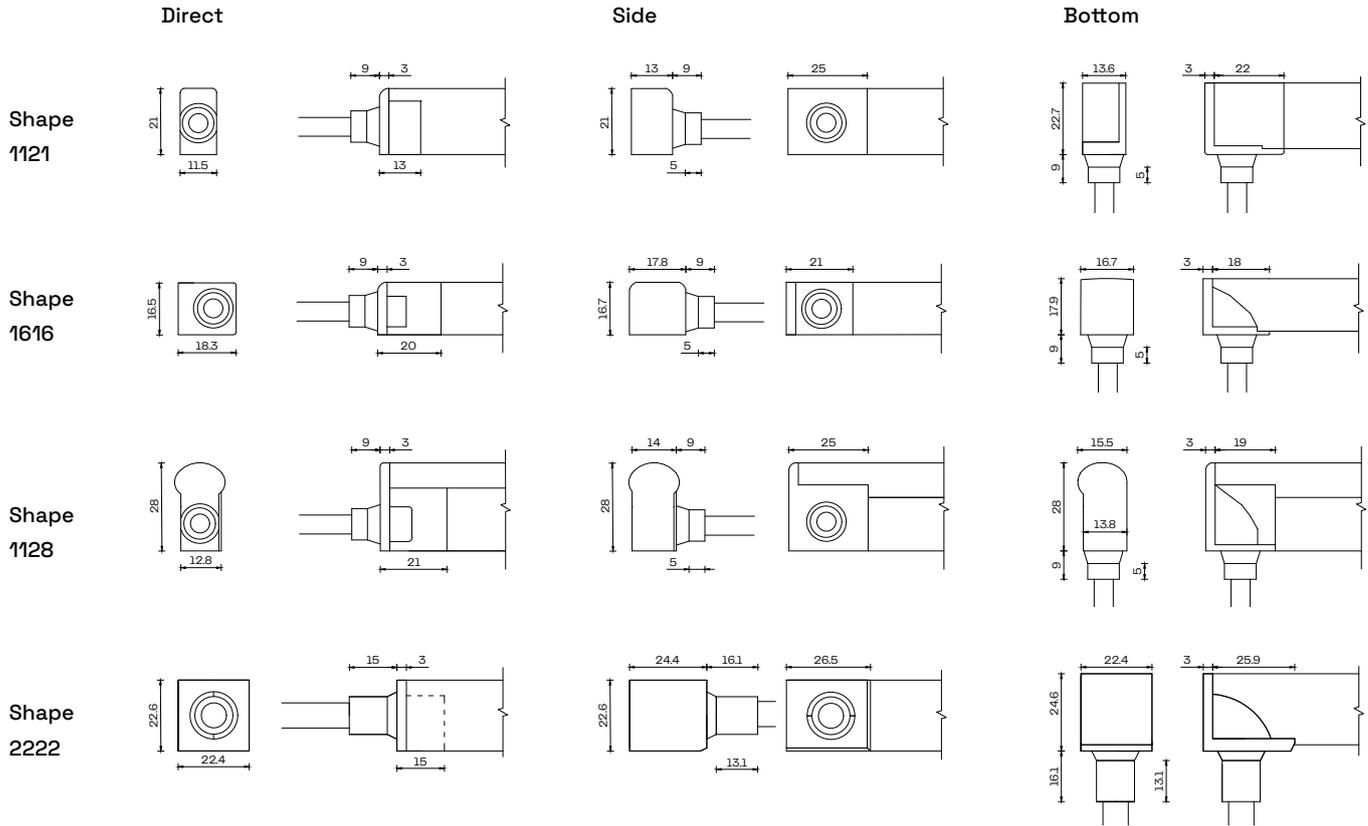
Physical

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



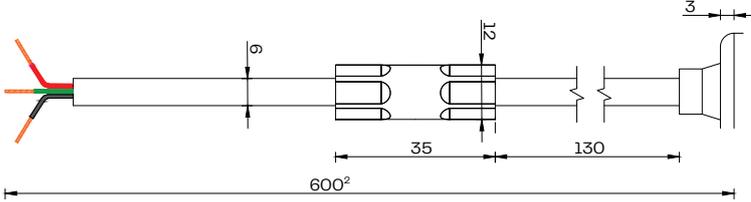
¹ 1000mm profile is standard. 2000mm is available to order.

Cable Entry Options

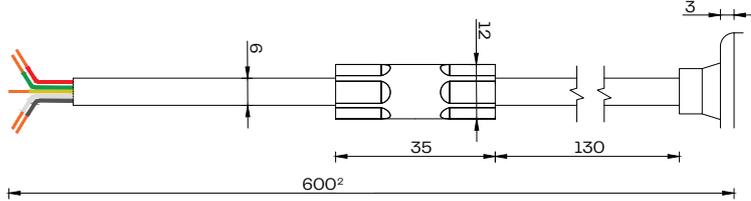


Connection Options

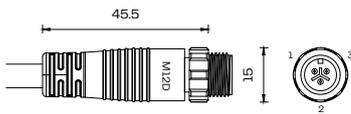
SPI Bare Wires with waterstop¹



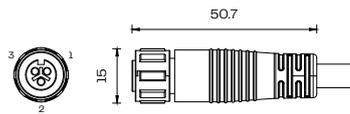
DMX Bare Wires with waterstop¹



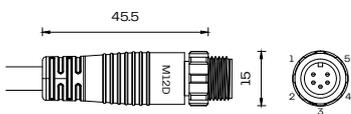
M12 Male Connector³



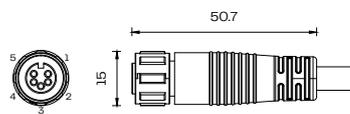
M12 Female Connector



M12 Male Connector³



M12 Female Connector



Wire Color

Red	24 V+
Green	Data
Black	GND

Wire Color

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

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
3167358	DiGi Neonflex Side Bend 1121 RGBW2700K SPI
3171733	DiGi Neonflex Side Bend 1121 RGBW3000K SPI
3171734	DiGi Neonflex Side Bend 1121 RGBW4000K SPI
3171735	DiGi Neonflex Side Bend 1121 RGBW5000K SPI
3171728	DiGi Neonflex Side Bend 1121 RGBW2700K DMX
3171729	DiGi Neonflex Side Bend 1121 RGBW3000K DMX
3171730	DiGi Neonflex Side Bend 1121 RGBW4000K DMX
3171731	DiGi Neonflex Side Bend 1121 RGBW5000K DMX
3167378	DiGi Neonflex Side Bend 1616 RGBW2700K SPI
3171741	DiGi Neonflex Side Bend 1616 RGBW3000K SPI
3171742	DiGi Neonflex Side Bend 1616 RGBW4000K SPI
3171743	DiGi Neonflex Side Bend 1616 RGBW5000K SPI
3171736	DiGi Neonflex Side Bend 1616 RGBW2700K DMX
3171737	DiGi Neonflex Side Bend 1616 RGBW3000K DMX
3171738	DiGi Neonflex Side Bend 1616 RGBW4000K DMX
3171739	DiGi Neonflex Side Bend 1616 RGBW5000K DMX

3171748	DiGi Neonflex Side Bend 1128 RGBW2700K SPI
3171749	DiGi Neonflex Side Bend 1128 RGBW3000K SPI
3171750	DiGi Neonflex Side Bend 1128 RGBW4000K SPI
3171751	DiGi Neonflex Side Bend 1128 RGBW5000K SPI
3171744	DiGi Neonflex Side Bend 1128 RGBW2700K DMX
3171745	DiGi Neonflex Side Bend 1128 RGBW3000K DMX
3171746	DiGi Neonflex Side Bend 1128 RGBW4000K DMX
3171747	DiGi Neonflex Side Bend 1128 RGBW5000K DMX
3171756	DiGi Neonflex Side Bend 2222 RGBW2700K SPI
3171757	DiGi Neonflex Side Bend 2222 RGBW3000K SPI
3171758	DiGi Neonflex Side Bend 2222 RGBW4000K SPI
3171759	DiGi Neonflex Side Bend 2222 RGBW5000K SPI
3171752	DiGi Neonflex Side Bend 2222 RGBW2700K DMX
3171753	DiGi Neonflex Side Bend 2222 RGBW3000K DMX
3171754	DiGi Neonflex Side Bend 2222 RGBW4000K DMX
3171755	DiGi Neonflex Side Bend 2222 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