

DiGi Neonflex Side Bend Tunable White 24V

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The DiGi Neonflex Side Bend Tunable White 24V is a flexible linear lighting solution for clean, continuous lines of dynamic tunable white 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 Tunable White is perfect for a dynamic lighting scheme with high-quality light and tunable tones of white lighting.

- Application-Driven Format – Multiple shapes and sizes enable seamless integration into both compact and large-scale architectural elements.
- Precise White 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	2in1
Color Range	Tunable White
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	68
	@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

Color/CCT
<input type="checkbox"/> 2200-5700K
<input type="checkbox"/> 2700-5700K
<input type="checkbox"/> 3000-5700K

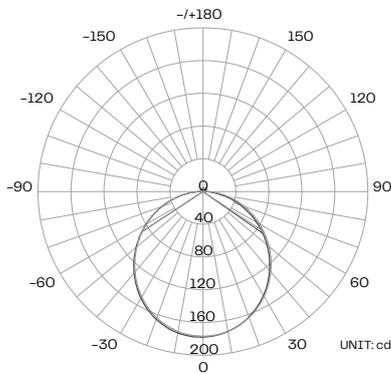
Control
<input type="checkbox"/> SPI
<input type="checkbox"/> DMX

Lighting Specifications

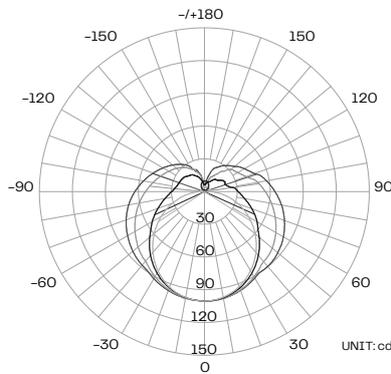
DiGi Neonflex Side Bend

	Full White (lm/m)	Warm White (lm/m)	Cold White (lm/m)
1121 Tunable White 2200-5700K SPI			
1121 Tunable White 2700-5700K SPI			
1121 Tunable White 3000-5700K SPI			
1121 Tunable White 2200-5700K DMX			
1121 Tunable White 2700-5700K DMX			
1121 Tunable White 3000-5700K DMX			
1616 Tunable White 2200-5700K SPI			
1616 Tunable White 2700-5700K SPI			
1616 Tunable White 3000-5700K SPI			
1616 Tunable White 2200-5700K DMX			
1616 Tunable White 2700-5700K DMX			
1616 Tunable White 3000-5700K DMX			
1128 Tunable White 2200-5700K SPI			
1128 Tunable White 2700-5700K SPI			
1128 Tunable White 3000-5700K SPI			
1128 Tunable White 2200-5700K DMX			
1128 Tunable White 2700-5700K DMX			
1128 Tunable White 3000-5700K DMX			
2222 Tunable White 2200-5700K SPI			
2222 Tunable White 2700-5700K SPI			
2222 Tunable White 3000-5700K SPI			
2222 Tunable White 2200-5700K DMX			
2222 Tunable White 2700-5700K DMX			
2222 Tunable White 3000-5700K DMX			

Photometric Distribution

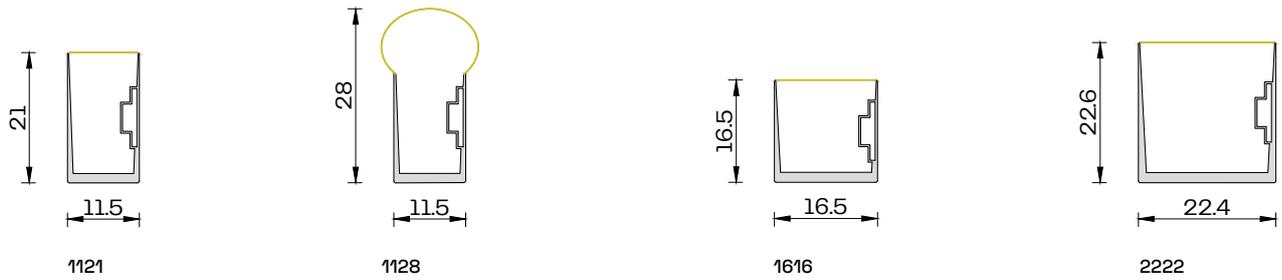


1121 - 112.1° Average Beam Angle

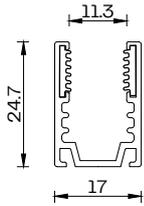


1128 - 164.2° Average Beam Angle

Dimensions

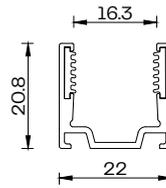


Accessory Options



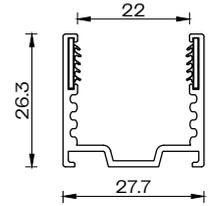
1121 / 1128¹

- ____ 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

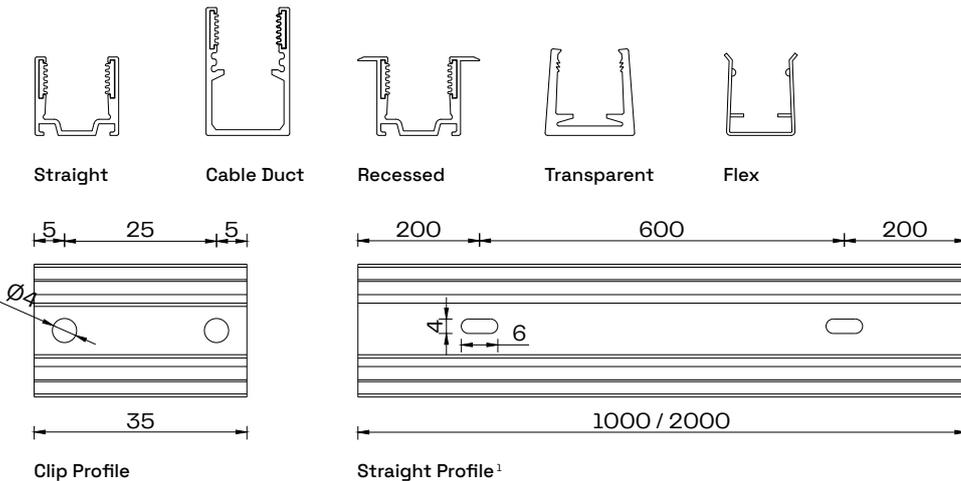
- ____ Straight Profile
- ____ Clip Profile²
- ____ Straight Profile Cable Duct
- ____ Curved Profile

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

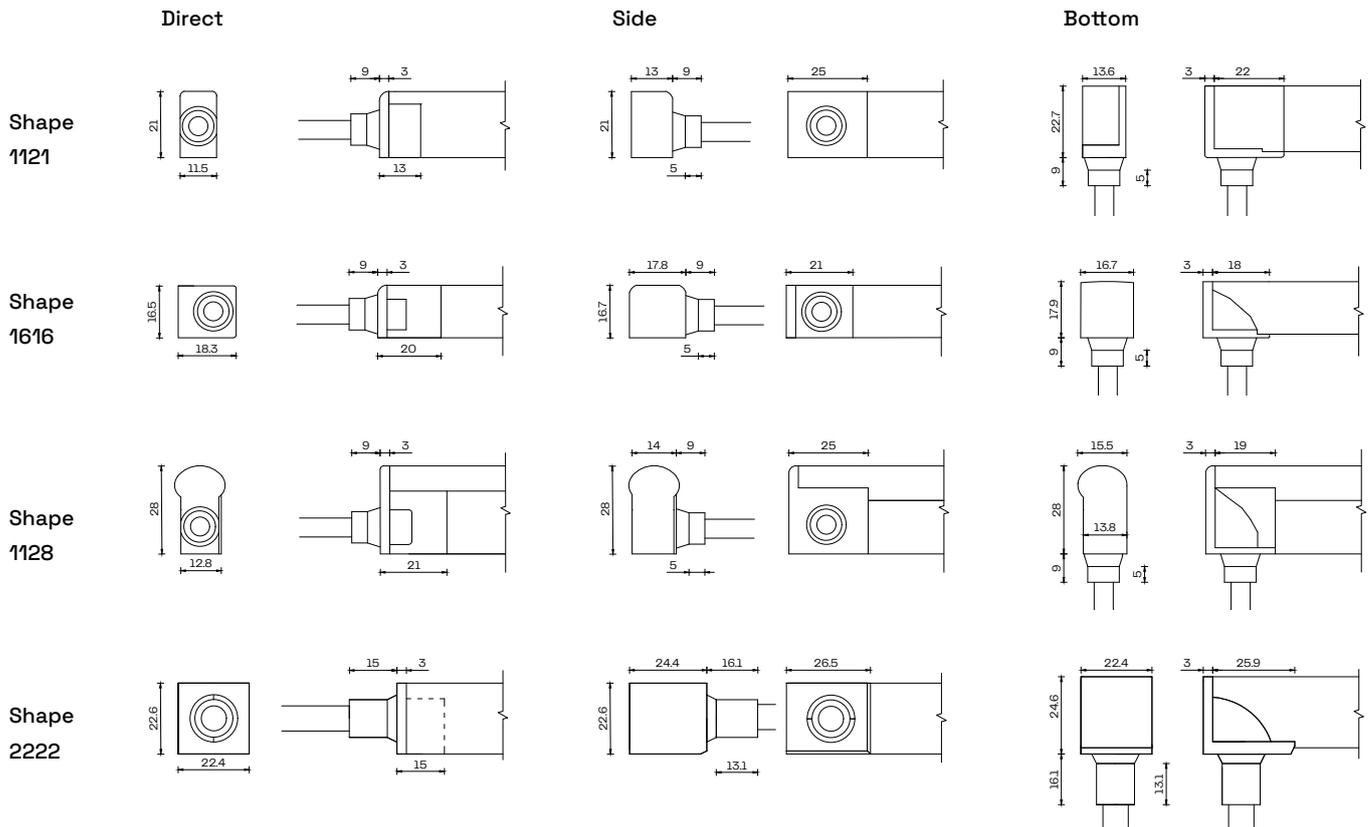
Physical

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



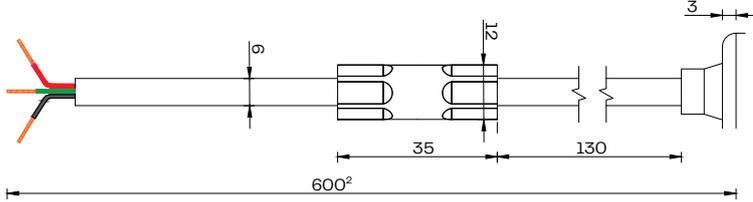
¹ 1000mm profile is standard. 2000mm is available to order.

Cable Entry Options

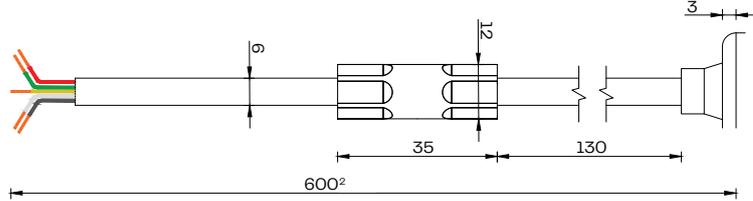


Connection Options

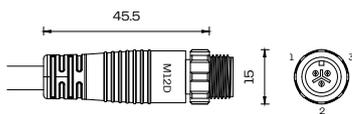
SPI Bare Wires with waterstop¹



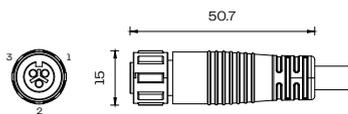
DMX Bare Wires with waterstop¹



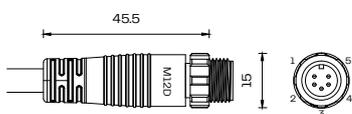
M12 Male Connector³



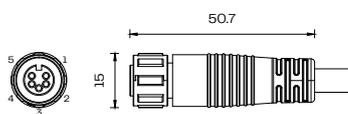
M12 Female Connector



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
3171676	DiGi Neonflex Side Bend 1121 Tunable White 2200-5700K SPI
3171677	DiGi Neonflex Side Bend 1121 Tunable White 2700-5700K SPI
3171678	DiGi Neonflex Side Bend 1121 Tunable White 3000-5700K SPI
3171679	DiGi Neonflex Side Bend 1121 Tunable White 2200-5700K DMX
3171680	DiGi Neonflex Side Bend 1121 Tunable White 2700-5700K DMX
3171681	DiGi Neonflex Side Bend 1121 Tunable White 3000-5700K DMX
3171682	DiGi Neonflex Side Bend 1616 Tunable White 2200-5700K SPI
3171683	DiGi Neonflex Side Bend 1616 Tunable White 2700-5700K SPI
3171684	DiGi Neonflex Side Bend 1616 Tunable White 3000-5700K SPI
3171685	DiGi Neonflex Side Bend 1616 Tunable White 2200-5700K DMX
3171686	DiGi Neonflex Side Bend 1616 Tunable White 2700-5700K DMX
3171687	DiGi Neonflex Side Bend 1616 Tunable White 3000-5700K DMX

3171688	DiGi Neonflex Side Bend 1128 Tunable White 2200-5700K SPI
3171689	DiGi Neonflex Side Bend 1128 Tunable White 2700-5700K SPI
3171690	DiGi Neonflex Side Bend 1128 Tunable White 3000-5700K SPI
3171691	DiGi Neonflex Side Bend 1128 Tunable White 2200-5700K DMX
3171692	DiGi Neonflex Side Bend 1128 Tunable White 2700-5700K DMX
3171693	DiGi Neonflex Side Bend 1128 Tunable White 3000-5700K DMX
3171694	DiGi Neonflex Side Bend 2222 Tunable White 2200-5700K SPI
3171695	DiGi Neonflex Side Bend 2222 Tunable White 2700-5700K SPI
3171696	DiGi Neonflex Side Bend 2222 Tunable White 3000-5700K SPI
3171697	DiGi Neonflex Side Bend 2222 Tunable White 2200-5700K DMX
3171698	DiGi Neonflex Side Bend 2222 Tunable White 2700-5700K DMX
3171699	DiGi Neonflex Side Bend 2222 Tunable White 3000-5700K 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