

The DiGi Neonflex Side Bend White 48V is a flexible linear lighting solution for clean, continuous lines of dynamic 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 White is perfect for a lighting scheme with high-quality dynamic 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)	17
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	Discrete
Color Range	White
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	114
	@45fps	76
Maximum Leader Cable Length ¹ (m)	Up to 20	
Lumen Maintenance Calculated	L70 @ 25°C 70,000	
Hours (h)	L70 @ 50°C 50,000	

¹More 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"/> 2200K	<input type="checkbox"/> 4000K
<input type="checkbox"/> 2700K	<input type="checkbox"/> 4500K
<input type="checkbox"/> 3000K	<input type="checkbox"/> 5000K
<input type="checkbox"/> 3500K	<input type="checkbox"/> 6500K

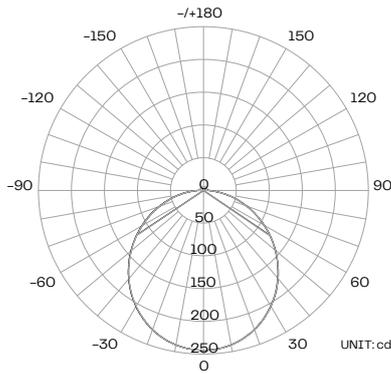
Lighting Specifications

DiGi Neonflex Side Bend

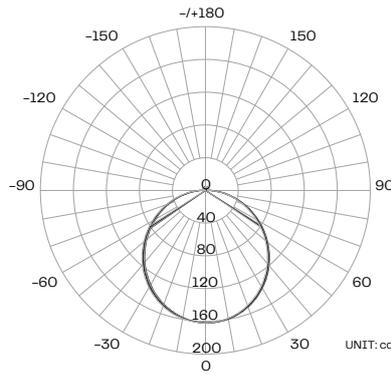
Full White (lm/m)
1121 48V 2200K DMX
1121 48V 2700K DMX
1121 48V 3000K DMX
1121 48V 3500K DMX
1121 48V 4000K DMX
1121 48V 4500K DMX
1121 48V 5000K DMX
1121 48V 6500K DMX
1616 48V 2200K DMX
1616 48V 2700K DMX
1616 48V 3000K DMX
1616 48V 3500K DMX
1616 48V 4000K DMX
1616 48V 4500K DMX
1616 48V 5000K DMX
1616 48V 6500K DMX

Full White (lm/m)
1128 48V 2200K DMX
1128 48V 2700K DMX
1128 48V 3000K DMX
1128 48V 3500K DMX
1128 48V 4000K DMX
1128 48V 4500K DMX
1128 48V 5000K DMX
1128 48V 6500K DMX
2222 48V 2200K DMX
2222 48V 2700K DMX
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2222 48V 4000K DMX
2222 48V 4500K DMX
2222 48V 5000K DMX
2222 48V 6500K DMX

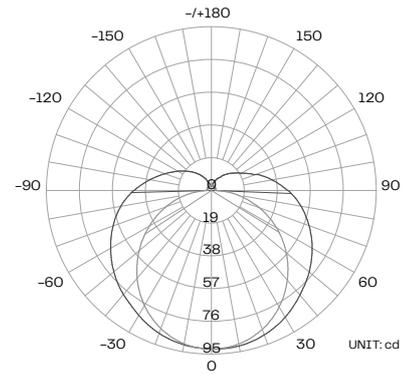
Photometric Distribution



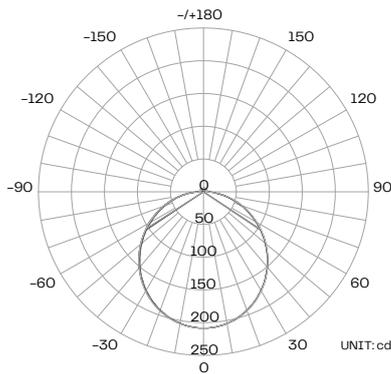
1121 - 111.5° Average Beam Angle



1616 - 113.2° Average Beam Angle

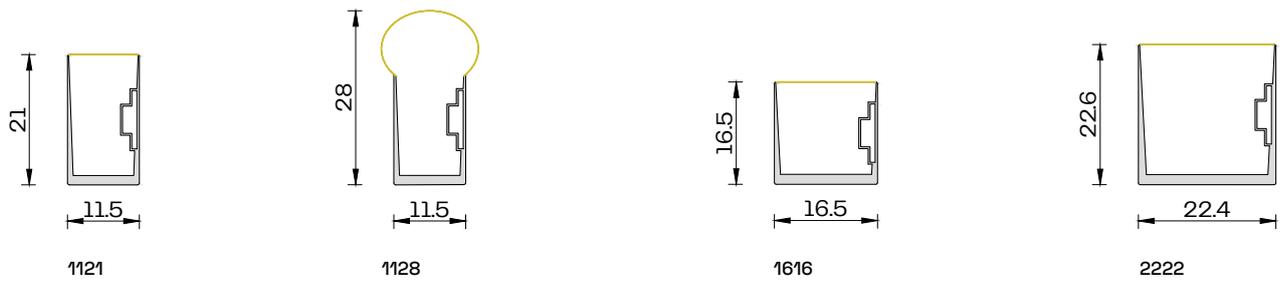


1128 - 143.2° Average Beam Angle

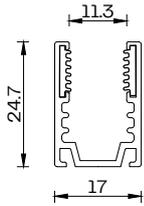


2222 - 112.9° Average Beam Angle

Dimensions

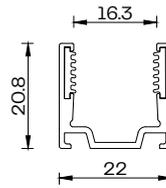


Accessory Options



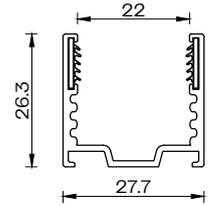
1121 / 1128¹

- ____ 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

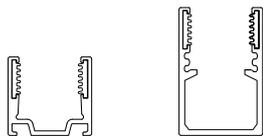
- ____ Straight Profile
- ____ Clip Profile²
- ____ Straight Profile Cable Duct
- ____ Curved Profile

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.

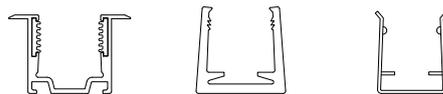
Profile Specifications

Physical

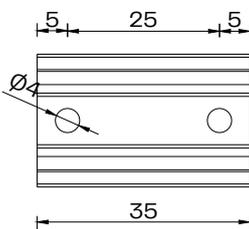
Profile Material	Aluminum Alloy 6063
Transparent Profile Material	Polycarbonate
Aluminum Profile Finish	Blank Anodized



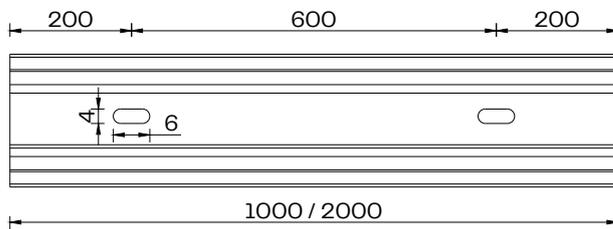
Straight Cable Duct



Recessed Transparent Flex



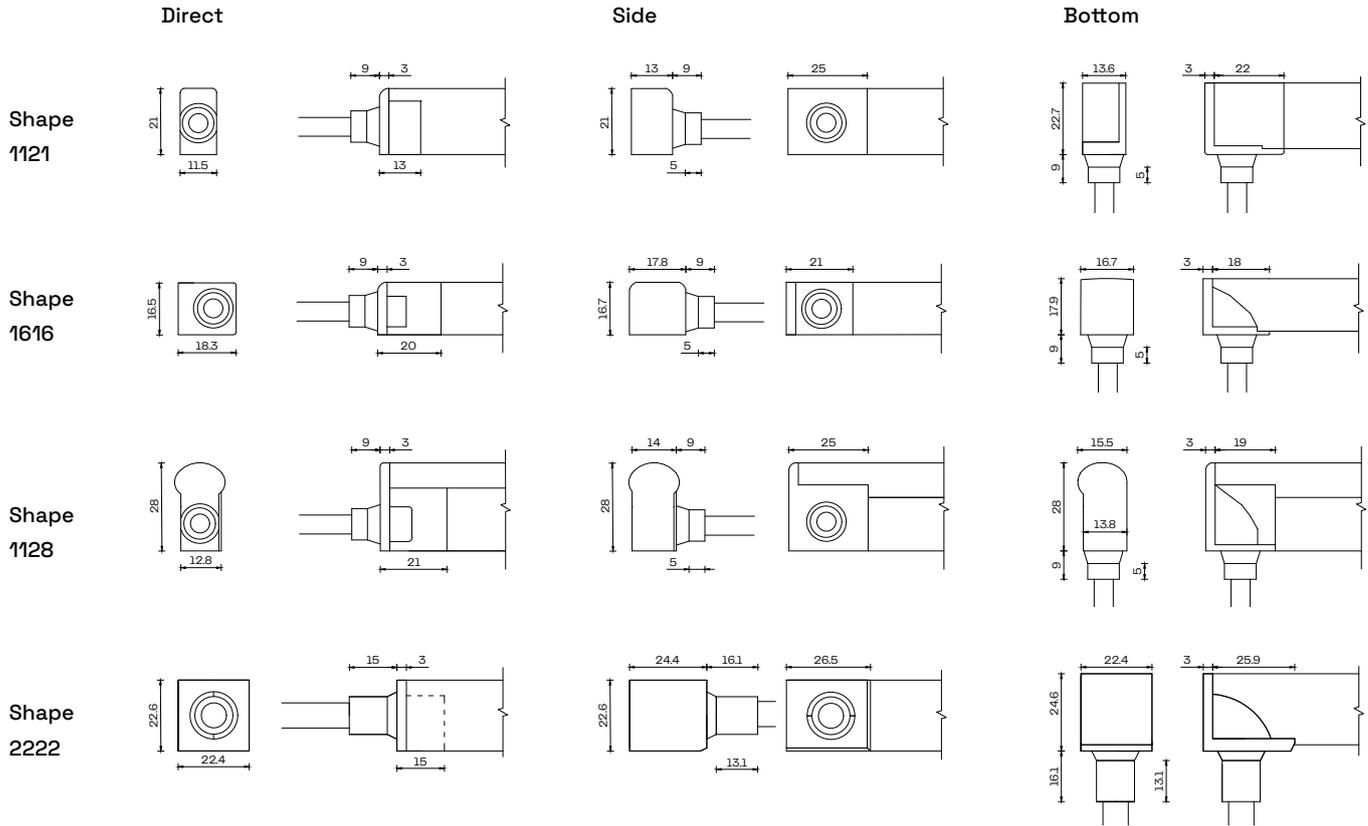
Clip Profile



Straight Profile¹

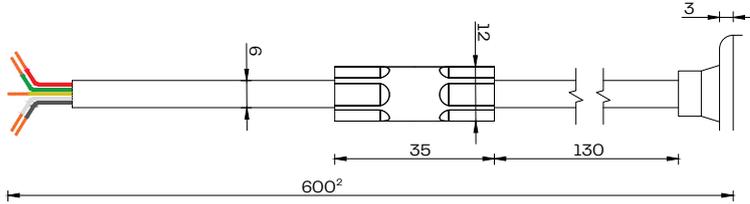
¹ 1000mm profile is standard. 2000mm is available to order.

Cable Entry Options

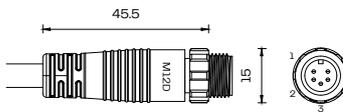


Connection Options

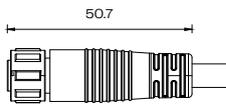
DMX Bare Wires with waterstop¹



M12 Male Connector³



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

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
3171640	DiGi Neonflex Side Bend 1121 48V 2200K DMX
3171641	DiGi Neonflex Side Bend 1121 48V 2700K DMX
3171642	DiGi Neonflex Side Bend 1121 48V 3000K DMX
3171643	DiGi Neonflex Side Bend 1121 48V 3500K DMX
3171644	DiGi Neonflex Side Bend 1121 48V 4000K DMX
3171645	DiGi Neonflex Side Bend 1121 48V 4500K DMX
3171646	DiGi Neonflex Side Bend 1121 48V 5000K DMX
3171647	DiGi Neonflex Side Bend 1121 48V 6500K DMX
3171648	DiGi Neonflex Side Bend 1616 48V 2200K DMX
3171649	DiGi Neonflex Side Bend 1616 48V 2700K DMX
3171650	DiGi Neonflex Side Bend 1616 48V 3000K DMX
3171651	DiGi Neonflex Side Bend 1616 48V 3500K DMX
3171652	DiGi Neonflex Side Bend 1616 48V 4000K DMX
3171653	DiGi Neonflex Side Bend 1616 48V 4500K DMX
3171654	DiGi Neonflex Side Bend 1616 48V 5000K DMX
3171655	DiGi Neonflex Side Bend 1616 48V 6500K DMX

3171656	DiGi Neonflex Side Bend 1128 48V 2200K DMX
3171657	DiGi Neonflex Side Bend 1128 48V 2700K DMX
3171658	DiGi Neonflex Side Bend 1128 48V 3000K DMX
3171659	DiGi Neonflex Side Bend 1128 48V 3500K DMX
3171660	DiGi Neonflex Side Bend 1128 48V 4000K DMX
3171661	DiGi Neonflex Side Bend 1128 48V 4500K DMX
3171662	DiGi Neonflex Side Bend 1128 48V 5000K DMX
3171663	DiGi Neonflex Side Bend 1128 48V 6500K DMX
3171664	DiGi Neonflex Side Bend 2222 48V 2200K DMX
3171665	DiGi Neonflex Side Bend 2222 48V 2700K DMX
3171666	DiGi Neonflex Side Bend 2222 48V 3000K DMX
3171667	DiGi Neonflex Side Bend 2222 48V 3500K DMX
3171668	DiGi Neonflex Side Bend 2222 48V 4000K DMX
3171669	DiGi Neonflex Side Bend 2222 48V 4500K DMX
3171670	DiGi Neonflex Side Bend 2222 48V 5000K DMX
3171671	DiGi Neonflex Side Bend 2222 48V 6500K 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