

# DiGi Neonflex Side Bend White 24V

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The DiGi Neonflex Side Bend White 24V 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)	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	Discrete
Color Range	White
CRI	≥80, ≥90
Control <sup>1</sup>	DMX / SPI

<sup>1</sup> 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 <sup>2</sup> (m)	Single Feed	8
	Double Feed	16
Maximum Run Length DMX <sup>2</sup> (m)	@30fps	68
	@45fps	45
Maximum Run Length SPI <sup>2</sup> (m)	@30fps	44
	@50fps	26
Maximum Leader Cable Length <sup>2</sup> (m)	Up to 20	
Lumen Maintenance Calculated Hours (h)	L70 @ 25°C	70,000
	L70 @ 50°C	50,000

<sup>2</sup> 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"/> 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

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

# Lighting Specifications

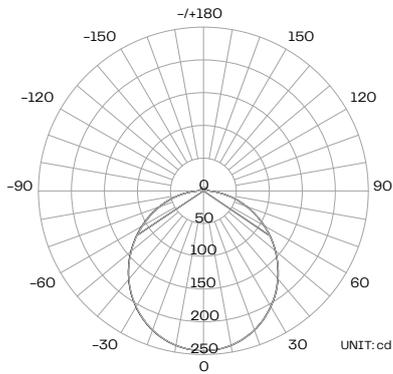
## DiGi Neonflex Side Bend

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

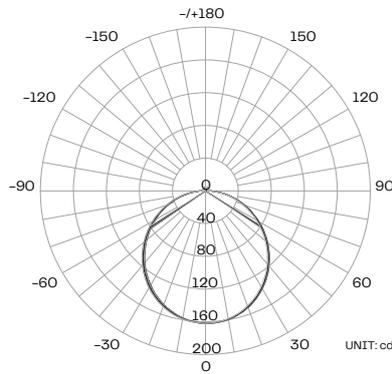
Full White (lm/m)
1616 5000K SPI
1616 6500K SPI
1616 2200K DMX
1616 2700K DMX
1616 3000K DMX
1616 3500K DMX
1616 4000K DMX
1616 4500K DMX
1616 5000K DMX
1616 6500K DMX
1128 2200K SPI
1128 2700K SPI
1128 3000K SPI
1128 3500K SPI
1128 4000K SPI
1128 4500K SPI
1128 5000K SPI
1128 6500K SPI
1128 2200K DMX
1128 2700K DMX
1128 3000K DMX
1128 3500K DMX

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

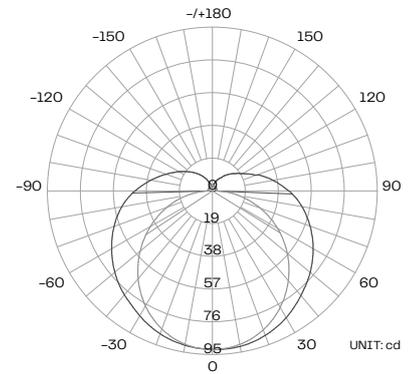
## Photometric Distribution



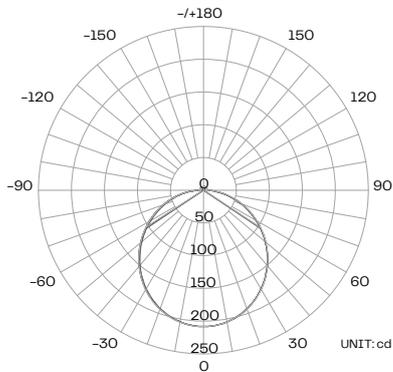
1121 - 111.5° Average Beam Angle



1616 - 113.2° Average Beam Angle

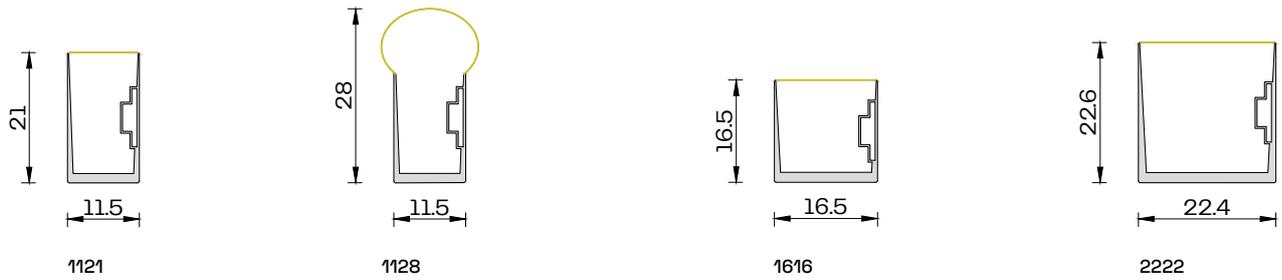


1128 - 143.2° Average Beam Angle

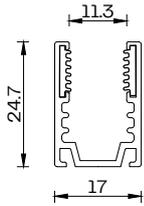


2222 - 112.9° Average Beam Angle

# Dimensions

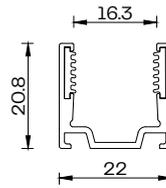


# Accessory Options



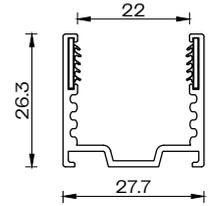
1121 / 1128<sup>1</sup>

- \_\_\_\_ Straight Profile
- \_\_\_\_ Clip Profile<sup>2</sup>
- \_\_\_\_ Straight Profile Cable Duct
- \_\_\_\_ Straight Profile Transparent
- \_\_\_\_ Curved Profile



1616<sup>1</sup>

- \_\_\_\_ Straight Profile
- \_\_\_\_ Clip Profile<sup>2</sup>
- \_\_\_\_ Straight Profile Cable Duct
- \_\_\_\_ Straight Profile Recessed
- \_\_\_\_ Straight Profile Transparent
- \_\_\_\_ Curved Profile
- \_\_\_\_ Curved Profile Cable Duct
- \_\_\_\_ Recessed Profile End Cap



2222<sup>1</sup>

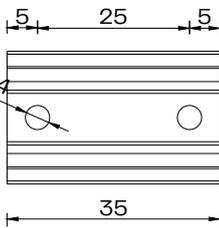
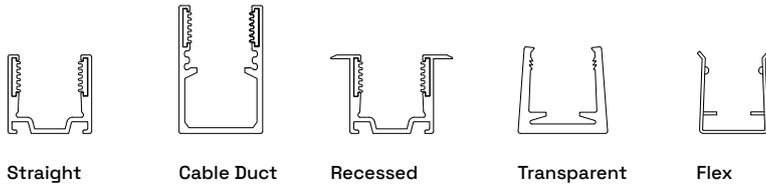
- \_\_\_\_ Straight Profile
- \_\_\_\_ Clip Profile<sup>2</sup>
- \_\_\_\_ Straight Profile Cable Duct
- \_\_\_\_ Curved Profile

<sup>1</sup> Straight Profile is shown. The dimensions shown are not to scale. Please refer to the Dimensions Sheet document for additional dimensions.  
<sup>2</sup> Straight installation has only 4 pieces per meter, while curved installation has 8 pieces per meter.

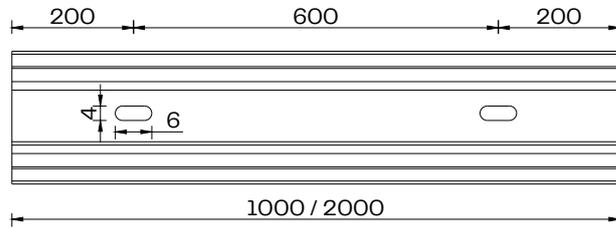
# Profile Specifications

## Physical

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



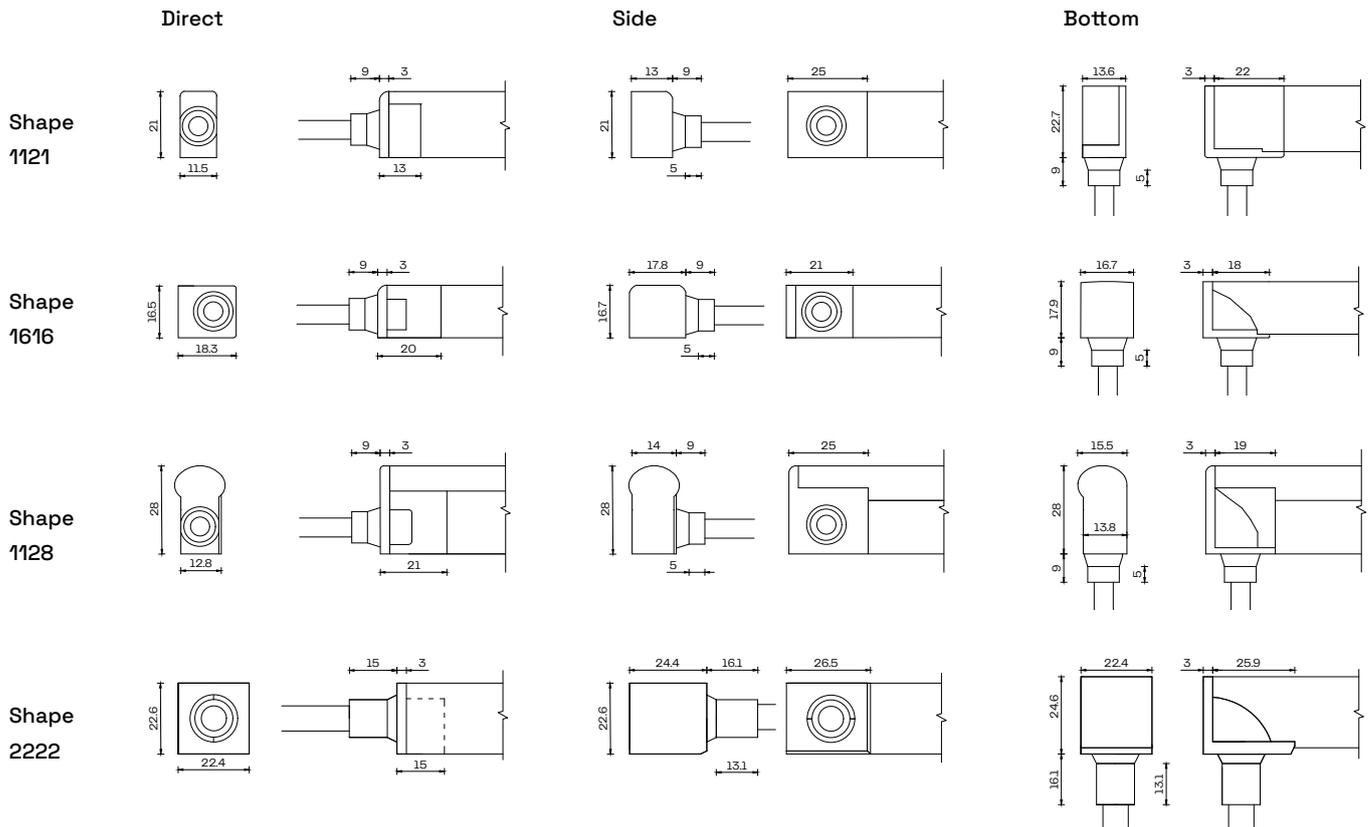
Clip Profile



Straight Profile<sup>1</sup>

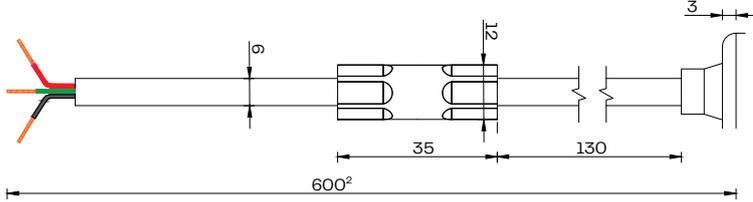
<sup>1</sup> 1000mm profile is standard. 2000mm is available to order.

# Cable Entry Options

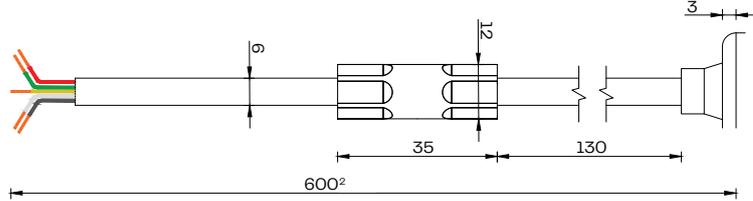


# Connection Options

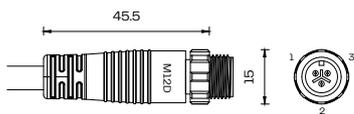
SPI Bare Wires with waterstop<sup>1</sup>



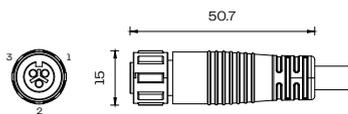
DMX Bare Wires with waterstop<sup>1</sup>



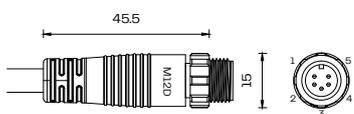
M12 Male Connector<sup>3</sup>



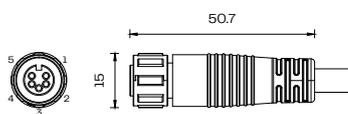
M12 Female Connector



M12 Male Connector<sup>3</sup>



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

<sup>1</sup>Removing the waterstop will void the warranty.

<sup>2</sup>600mm cable length is standard. Custom length is available on request.

<sup>3</sup>When opting for M12 connector the cable including connector is 300mm.

# Product References

## DiGi Neonflex

Reference	Description
3171584	DiGi Neonflex Side Bend 1121 2200K SPI
3171585	DiGi Neonflex Side Bend 1121 2700K SPI
3171586	DiGi Neonflex Side Bend 1121 3000K SPI
3171587	DiGi Neonflex Side Bend 1121 3500K SPI
3171588	DiGi Neonflex Side Bend 1121 4000K SPI
3171589	DiGi Neonflex Side Bend 1121 4500K SPI
3171590	DiGi Neonflex Side Bend 1121 5000K SPI
3171591	DiGi Neonflex Side Bend 1121 6500K SPI
3171576	DiGi Neonflex Side Bend 1121 2200K DMX
3171577	DiGi Neonflex Side Bend 1121 2700K DMX
3171578	DiGi Neonflex Side Bend 1121 3000K DMX
3171579	DiGi Neonflex Side Bend 1121 3500K DMX
3171580	DiGi Neonflex Side Bend 1121 4000K DMX
3171581	DiGi Neonflex Side Bend 1121 4500K DMX
3171582	DiGi Neonflex Side Bend 1121 5000K DMX
3171583	DiGi Neonflex Side Bend 1121 6500K DMX
3171600	DiGi Neonflex Side Bend 1616 2200K SPI
3171601	DiGi Neonflex Side Bend 1616 2700K SPI
3171602	DiGi Neonflex Side Bend 1616 3000K SPI
3171603	DiGi Neonflex Side Bend 1616 3500K SPI
3171604	DiGi Neonflex Side Bend 1616 4000K SPI
3171605	DiGi Neonflex Side Bend 1616 4500K SPI
3171606	DiGi Neonflex Side Bend 1616 5000K SPI
3171607	DiGi Neonflex Side Bend 1616 6500K SPI
3171592	DiGi Neonflex Side Bend 1616 2200K DMX
3171593	DiGi Neonflex Side Bend 1616 2700K DMX
3171594	DiGi Neonflex Side Bend 1616 3000K DMX
3171595	DiGi Neonflex Side Bend 1616 3500K DMX
3171596	DiGi Neonflex Side Bend 1616 4000K DMX
3171597	DiGi Neonflex Side Bend 1616 4500K DMX
3171598	DiGi Neonflex Side Bend 1616 5000K DMX
3171599	DiGi Neonflex Side Bend 1616 6500K DMX

3171616	DiGi Neonflex Side Bend 1128 2200K SPI
3171617	DiGi Neonflex Side Bend 1128 2700K SPI
3171618	DiGi Neonflex Side Bend 1128 3000K SPI
3171619	DiGi Neonflex Side Bend 1128 3500K SPI
3171620	DiGi Neonflex Side Bend 1128 4000K SPI
3171621	DiGi Neonflex Side Bend 1128 4500K SPI
3171622	DiGi Neonflex Side Bend 1128 5000K SPI
3171623	DiGi Neonflex Side Bend 1128 6500K SPI
3171608	DiGi Neonflex Side Bend 1128 2200K DMX
3171609	DiGi Neonflex Side Bend 1128 2700K DMX
3171610	DiGi Neonflex Side Bend 1128 3000K DMX
3171611	DiGi Neonflex Side Bend 1128 3500K DMX
3171612	DiGi Neonflex Side Bend 1128 4000K DMX
3171613	DiGi Neonflex Side Bend 1128 4500K DMX
3171614	DiGi Neonflex Side Bend 1128 5000K DMX
3171615	DiGi Neonflex Side Bend 1128 6500K DMX
3171632	DiGi Neonflex Side Bend 2222 2200K SPI
3171633	DiGi Neonflex Side Bend 2222 2700K SPI
3171634	DiGi Neonflex Side Bend 2222 3000K SPI
3171635	DiGi Neonflex Side Bend 2222 3500K SPI
3171636	DiGi Neonflex Side Bend 2222 4000K SPI
3171637	DiGi Neonflex Side Bend 2222 4500K SPI
3171638	DiGi Neonflex Side Bend 2222 5000K SPI
3171639	DiGi Neonflex Side Bend 2222 6500K SPI
3171624	DiGi Neonflex Side Bend 2222 2200K DMX
3171625	DiGi Neonflex Side Bend 2222 2700K DMX
3171626	DiGi Neonflex Side Bend 2222 3000K DMX
3171627	DiGi Neonflex Side Bend 2222 3500K DMX
3171628	DiGi Neonflex Side Bend 2222 4000K DMX
3171629	DiGi Neonflex Side Bend 2222 4500K DMX
3171630	DiGi Neonflex Side Bend 2222 5000K DMX
3171631	DiGi Neonflex Side Bend 2222 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