

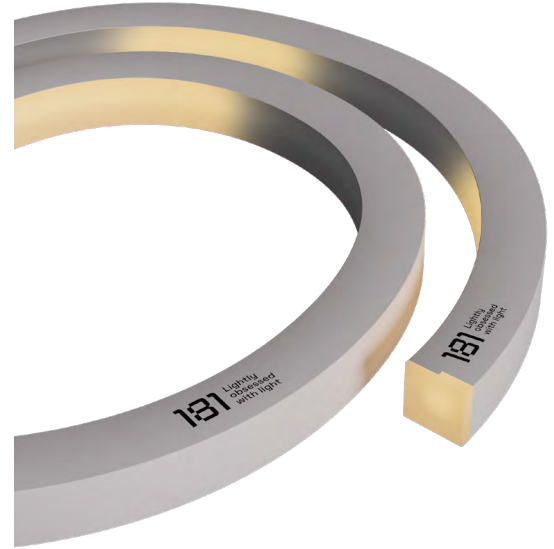
# DiGi Neonflex Top Bend White 24V

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The DiGi Neonflex Top Bend White 24V is a flexible linear lighting solution for clean, continuous lines of dynamic white lighting in architectural applications. With top-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 Top 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 (°)	1616, 2219	120
	1717	210
	3027	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)	1616, 1717	120
	3027, 2219	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	L70 @ 25°C 70,000	
Hours (h)	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)	1616, 1717	0,45
	3027, 2219	0,60
Dimensions WxH (mm)	1616, 1717	16,5 x 16,5
	3027	30 x 28
	2219	22 x 19

## 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

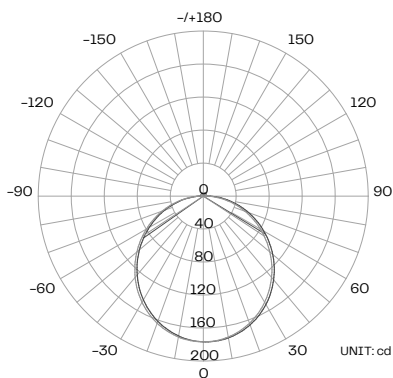
# Lighting Specifications

## DiGi Neonflex Top Bend

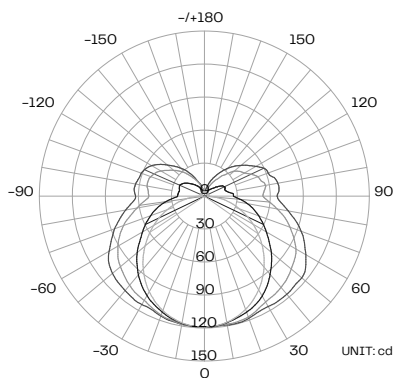
Full White (lm/m)
1616 2200K SPI
1616 2700K SPI
1616 3000K SPI
1616 3500K SPI
1616 4000K SPI
1616 4500K SPI
1616 5000K SPI
1616 6500K SPI
1616 2200K DMX
1616 2700K DMX
1616 3000K DMX
1616 3500K DMX
1616 4000K DMX
1616 4500K DMX
1616 5000K DMX
1616 6500K DMX
1717 2200K SPI
1717 2700K SPI
1717 3000K SPI
1717 3500K SPI
1717 4000K SPI
1717 4500K SPI
1717 5000K SPI
1717 6500K SPI
1717 2200K DMX
1717 2700K DMX
1717 3000K DMX
1717 3500K DMX
1717 4000K DMX
1717 4500K DMX
1717 5000K DMX
1717 6500K DMX

Full White (lm/m)
3027 2200K SPI
3027 2700K SPI
3027 3000K SPI
3027 3500K SPI
3027 4000K SPI
3027 4500K SPI
3027 5000K SPI
3027 6500K SPI
3027 2200K DMX
3027 2700K DMX
3027 3000K DMX
3027 3500K DMX
3027 4000K DMX
3027 4500K DMX
3027 5000K DMX
3027 6500K DMX
2219 2200K SPI
2219 2700K SPI
2219 3000K SPI
2219 3500K SPI
2219 4000K SPI
2219 4500K SPI
2219 5000K SPI
2219 6500K SPI
2219 2200K DMX
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2219 4000K DMX
2219 4500K DMX
2219 5000K DMX
2219 6500K DMX

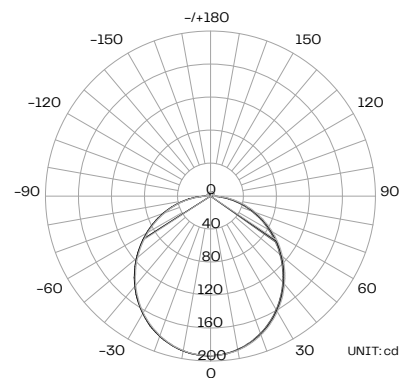
## Photometric Distribution



1616 - 113.5° Average Beam Angle

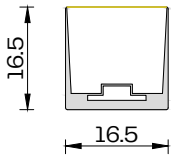


1717 - 158.9° Average Beam Angle

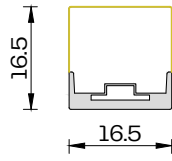


2219 - 112.7° Average Beam Angle

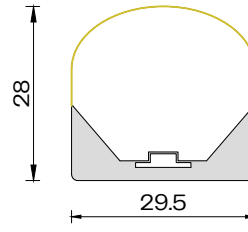
# Dimensions



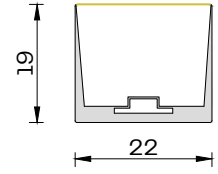
1616



1717

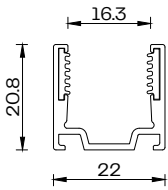


3027



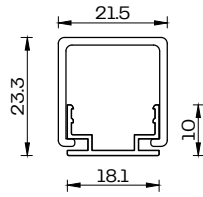
2219

# Accessory Options



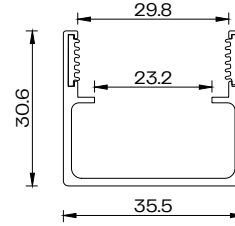
1616<sup>1</sup>

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



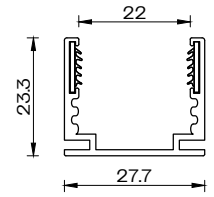
1717<sup>1</sup>

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



3027<sup>1</sup>

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

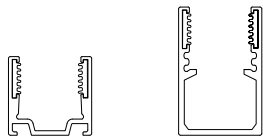


2219<sup>1</sup>

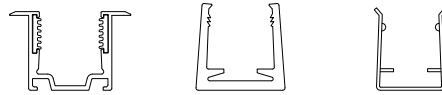
- \_\_\_\_ Straight Profile
- \_\_\_\_ Clip Profile<sup>2</sup>
- \_\_\_\_ Straight Profile Cable Duct
- \_\_\_\_ Curved Profile

<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.

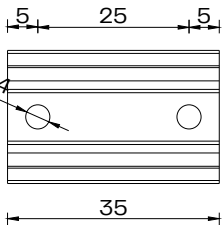
# Profile Specifications



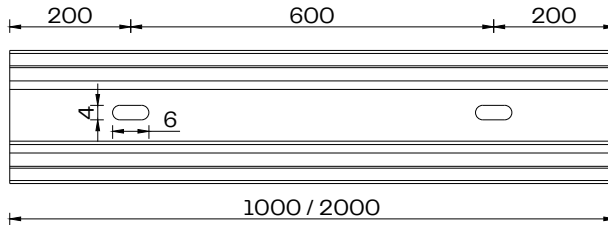
Straight Cable Duct



Recessed Transparent Flex



Clip Profile



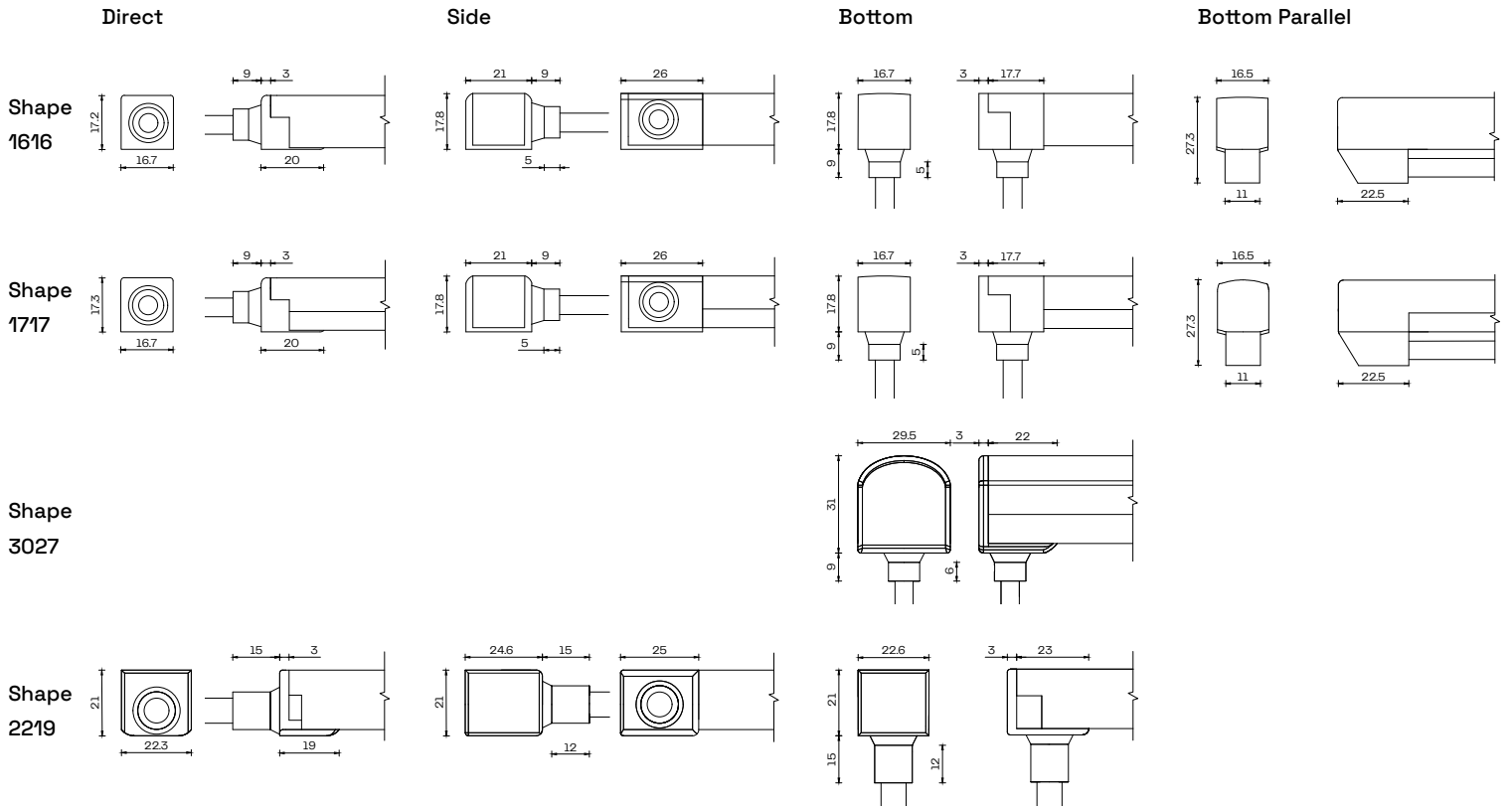
Straight Profile<sup>1</sup>

## Physical

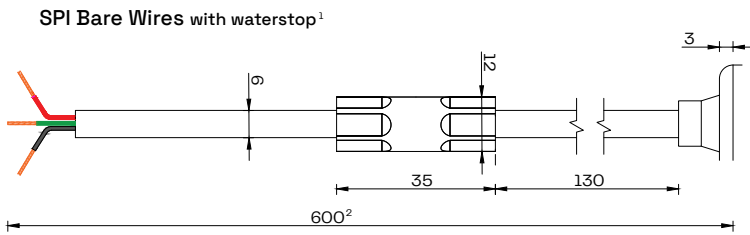
Profile Material	Aluminum Alloy 6063
Transparent Profile Material	Polycarbonate
Aluminum Profile Finish	Blank Anodized

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

# Cable Entry Options

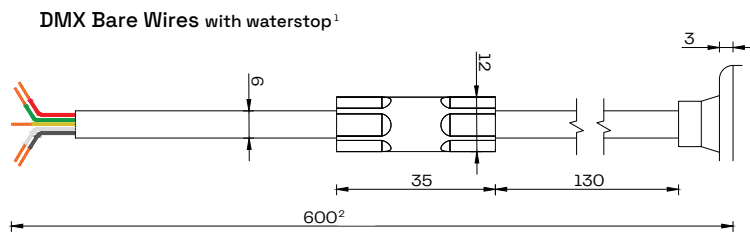


# Connection Options



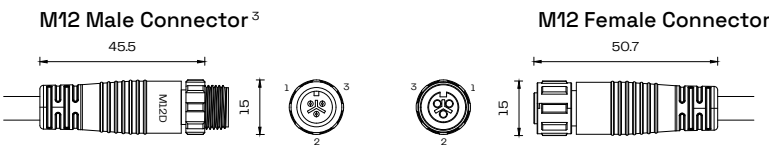
**Wire Color**

Red	24 V+
Green	Data
Black	GND



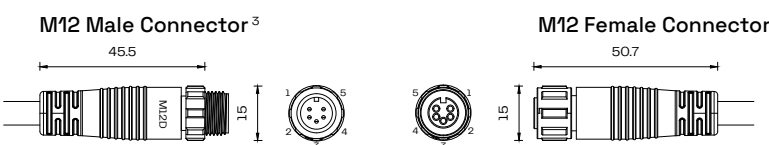
**Wire Color**

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
3171784	DiGi Neonflex Top Bend 1616 2200K SPI
3171785	DiGi Neonflex Top Bend 1616 2700K SPI
3171786	DiGi Neonflex Top Bend 1616 3000K SPI
3171787	DiGi Neonflex Top Bend 1616 3500K SPI
3171788	DiGi Neonflex Top Bend 1616 4000K SPI
3171789	DiGi Neonflex Top Bend 1616 4500K SPI
3171790	DiGi Neonflex Top Bend 1616 5000K SPI
3171791	DiGi Neonflex Top Bend 1616 6500K SPI
3171776	DiGi Neonflex Top Bend 1616 2200K DMX
3171777	DiGi Neonflex Top Bend 1616 2700K DMX
3171778	DiGi Neonflex Top Bend 1616 3000K DMX
3171779	DiGi Neonflex Top Bend 1616 3500K DMX
3171780	DiGi Neonflex Top Bend 1616 4000K DMX
3171781	DiGi Neonflex Top Bend 1616 4500K DMX
3171782	DiGi Neonflex Top Bend 1616 5000K DMX
3171783	DiGi Neonflex Top Bend 1616 6500K DMX
3171800	DiGi Neonflex Top Bend 1717 2200K SPI
3171801	DiGi Neonflex Top Bend 1717 2700K SPI
3171802	DiGi Neonflex Top Bend 1717 3000K SPI
3171803	DiGi Neonflex Top Bend 1717 3500K SPI
3171804	DiGi Neonflex Top Bend 1717 4000K SPI
3171805	DiGi Neonflex Top Bend 1717 4500K SPI
3171806	DiGi Neonflex Top Bend 1717 5000K SPI
3171807	DiGi Neonflex Top Bend 1717 6500K SPI
3171792	DiGi Neonflex Top Bend 1717 2200K DMX
3171793	DiGi Neonflex Top Bend 1717 2700K DMX
3171794	DiGi Neonflex Top Bend 1717 3000K DMX
3171795	DiGi Neonflex Top Bend 1717 3500K DMX
3171796	DiGi Neonflex Top Bend 1717 4000K DMX
3171797	DiGi Neonflex Top Bend 1717 4500K DMX
3171798	DiGi Neonflex Top Bend 1717 5000K DMX
3171799	DiGi Neonflex Top Bend 1717 6500K DMX

3171816	DiGi Neonflex Top Bend 3027 2200K SPI
3171817	DiGi Neonflex Top Bend 3027 2700K SPI
3171818	DiGi Neonflex Top Bend 3027 3000K SPI
3171819	DiGi Neonflex Top Bend 3027 3500K SPI
3171820	DiGi Neonflex Top Bend 3027 4000K SPI
3171821	DiGi Neonflex Top Bend 3027 4500K SPI
3171822	DiGi Neonflex Top Bend 3027 5000K SPI
3171823	DiGi Neonflex Top Bend 3027 6500K SPI
3171808	DiGi Neonflex Top Bend 3027 2200K DMX
3171809	DiGi Neonflex Top Bend 3027 2700K DMX
3171810	DiGi Neonflex Top Bend 3027 3000K DMX
3171811	DiGi Neonflex Top Bend 3027 3500K DMX
3171812	DiGi Neonflex Top Bend 3027 4000K DMX
3171813	DiGi Neonflex Top Bend 3027 4500K DMX
3171814	DiGi Neonflex Top Bend 3027 5000K DMX
3171815	DiGi Neonflex Top Bend 3027 6500K DMX
3171832	DiGi Neonflex Top Bend 2219 2200K SPI
3171833	DiGi Neonflex Top Bend 2219 2700K SPI
3171834	DiGi Neonflex Top Bend 2219 3000K SPI
3171835	DiGi Neonflex Top Bend 2219 3500K SPI
3171836	DiGi Neonflex Top Bend 2219 4000K SPI
3171837	DiGi Neonflex Top Bend 2219 4500K SPI
3171838	DiGi Neonflex Top Bend 2219 5000K SPI
3171839	DiGi Neonflex Top Bend 2219 6500K SPI
3171824	DiGi Neonflex Top Bend 2219 2200K DMX
3171825	DiGi Neonflex Top Bend 2219 2700K DMX
3171826	DiGi Neonflex Top Bend 2219 3000K DMX
3171827	DiGi Neonflex Top Bend 2219 3500K DMX
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3171829	DiGi Neonflex Top Bend 2219 4500K DMX
3171830	DiGi Neonflex Top Bend 2219 5000K DMX
3171831	DiGi Neonflex Top Bend 2219 6500K DMX

## Accessories

### Straight Profiles

Reference	Description
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
3167907	Neonflex 1717 Straight Profile 1000

3167927	Neonflex 1717 Straight Profile 2000
3167935	Neonflex 1717 Clip Profile
3167908	Neonflex 3027 Straight Profile 1000
3167930	Neonflex 3027 Straight Profile 2000
3167937	Neonflex 3027 Clip Profile
3167975	Neonflex 2219 Straight Profile 1000
3167976	Neonflex 2219 Straight Profile 2000
3167977	Neonflex 2219 Clip Profile
3167978	Neonflex 2219 Straight Profile Cable Duct 1000
3167979	Neonflex 2219 Straight Profile Cable Duct 2000

### Curved Profiles

Reference	Description
3167918	Neonflex Top Bend 1616 Curved Profile 1000
3167942	Neonflex Top Bend 1616 Curved Profile 2000
3167922	Neonflex Top Bend 3027 Curved Profile 1000

3167943	Neonflex Top Bend 3027 Curved Profile 2000
3167953	Neonflex Top Bend 2219 Curved Profile 1000
3167954	Neonflex Top Bend 2219 Curved Profile 2000