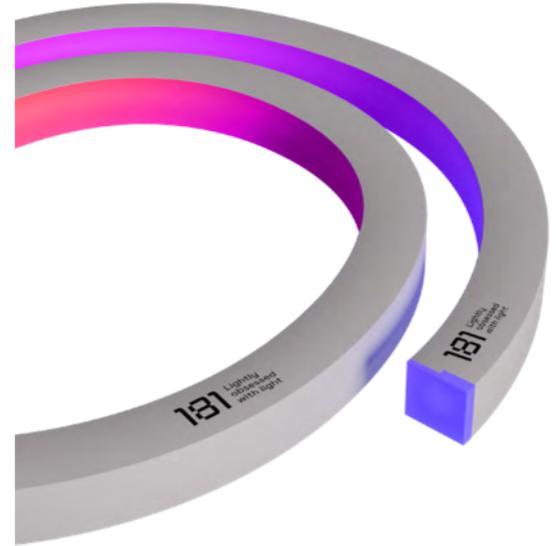


The DiGi Neonflex Top Bend Multi Color RGB 24V is a flexible linear lighting solution for clean, continuous lines of dynamic RGB lighting in architectural applications. With top-bend flexibility, it smoothly navigates tight curves, circular forms, and contours.

Ideal for curved facades, circular features, and artistic installations requiring lateral bending. The DiGi Neonflex Top Bend Multi Color RGB is perfect for dynamic lighting schemes with high-quality RGB lighting.

- Application-Driven Format – Multiple shapes and sizes enable seamless integration into both compact and large-scale architectural elements.
- Pixel-Perfect Dynamics – Individual RGB control creates seamless color flows and animated sequences, from gentle color washes to bold effects.



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	3in1	
Color Range	RGB	
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)	1616, 1717	120
	3027, 2219	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 Hours (h)	L70 @ 25°C	70,000
	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)	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

Control

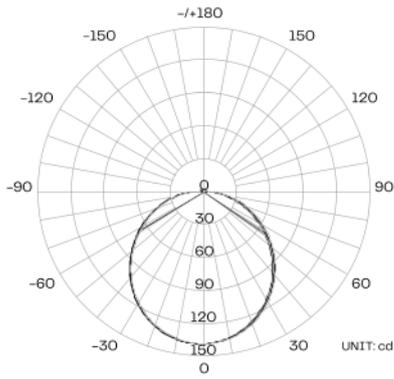
- SPI
- DMX

Lighting Specifications

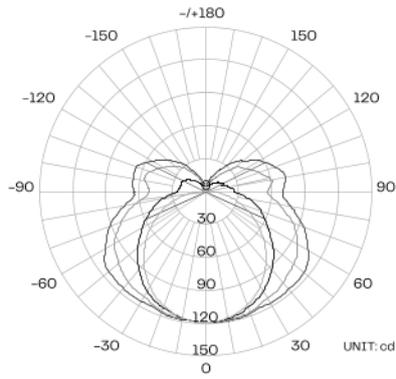
DiGi Neonflex Top Bend

	Full RGB (lm/m)	Red (lm/m)	Green (lm/m)	Blue (lm/m)
1616 RGB SPI				
1616 RGB DMX				
1717 RGB SPI	328	83	218	45
1717 RGB DMX				
3027 RGB SPI				
3027 RGB DMX				
2219 RGB SPI				
2219 RGB DMX				

Photometric Distribution

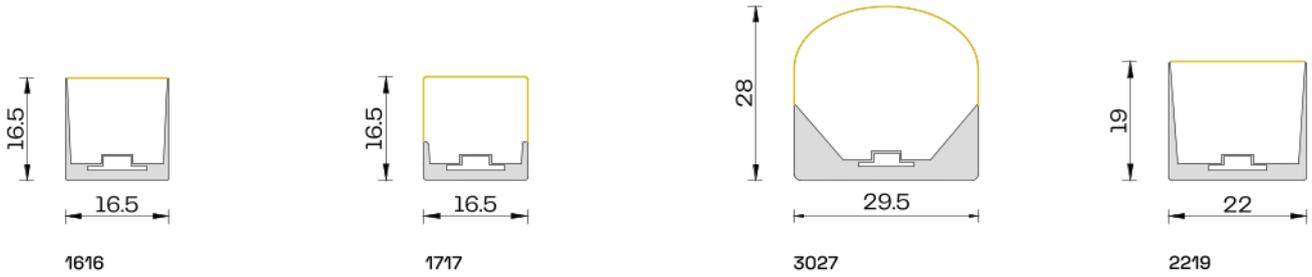


1616 - 113.0° Average Beam Angle

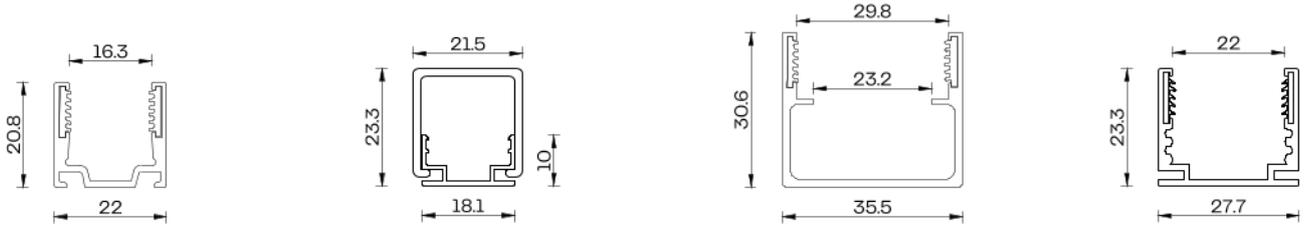


1717 - 164.6° Average Beam Angle

Dimensions



Accessory Options



- 1616¹**
- ____ Straight Profile
 - ____ Clip Profile²
 - ____ Straight Profile Cable Duct
 - ____ Straight Profile Recessed
 - ____ Straight Profile Transparent
 - ____ Curved Profile
 - ____ Recessed Profile End Cap

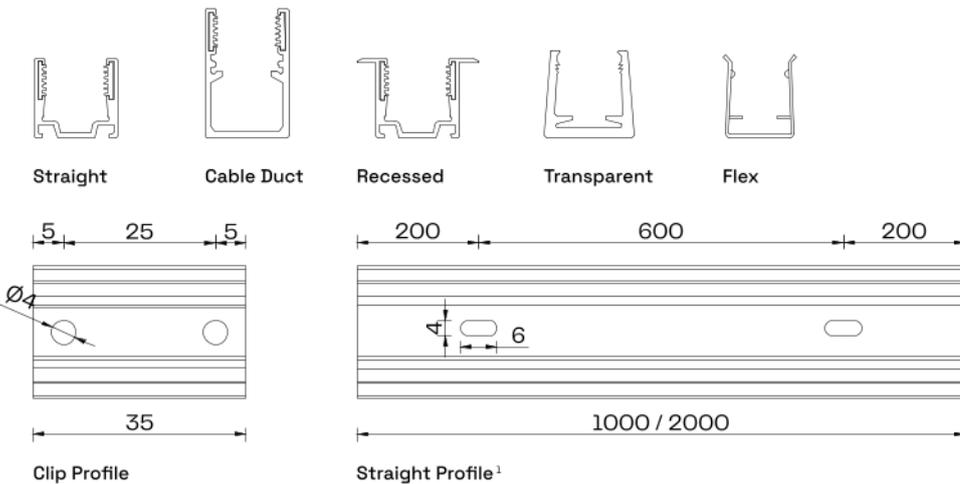
- 1717¹**
- ____ Straight Profile
 - ____ Clip Profile²
 - ____ Straight Profile Transparent

- 3027¹**
- ____ Straight Profile
 - ____ Clip Profile²
 - ____ Curved Profile

- 2219¹**
- ____ 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.

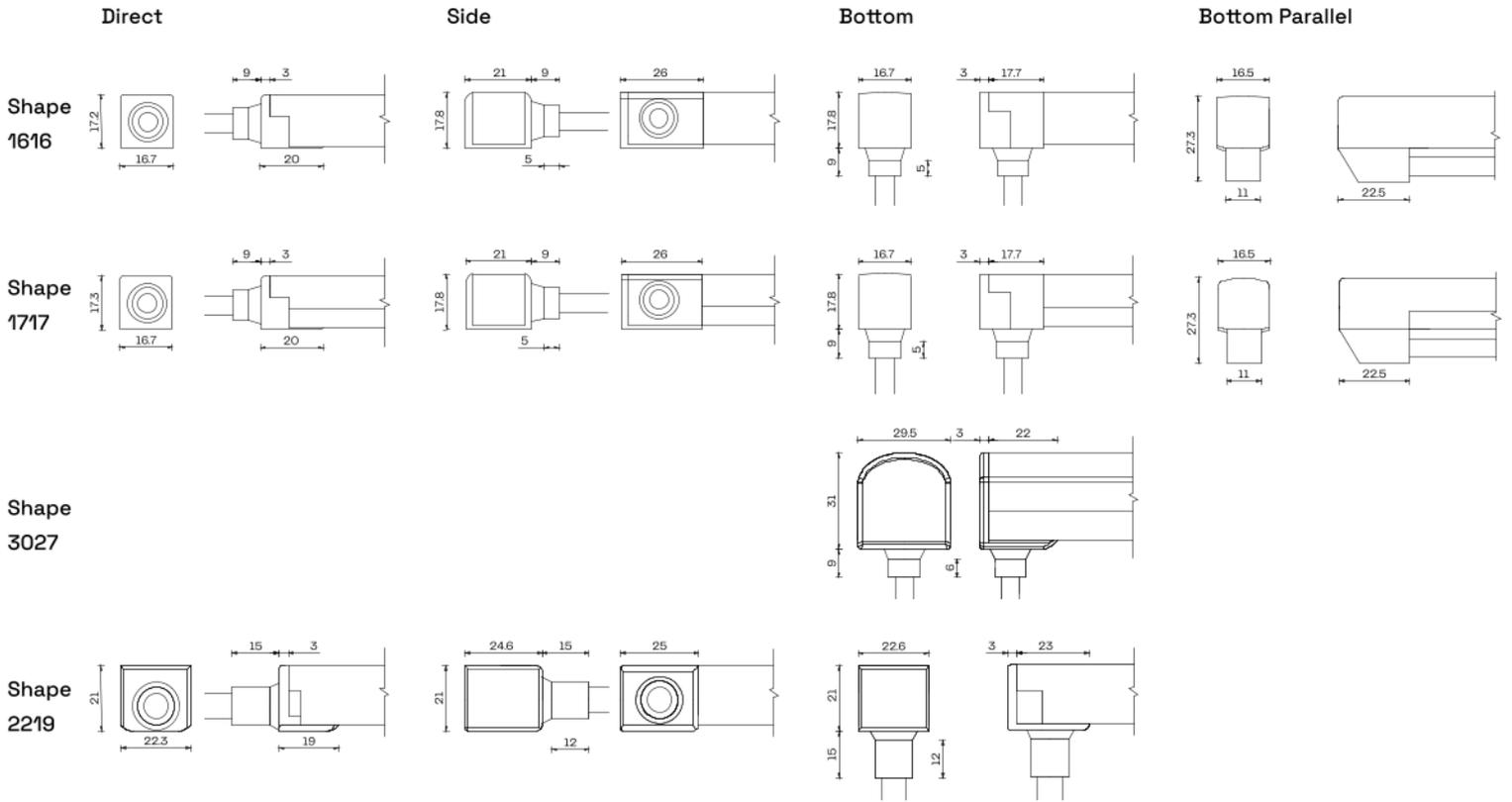
Profile Specifications



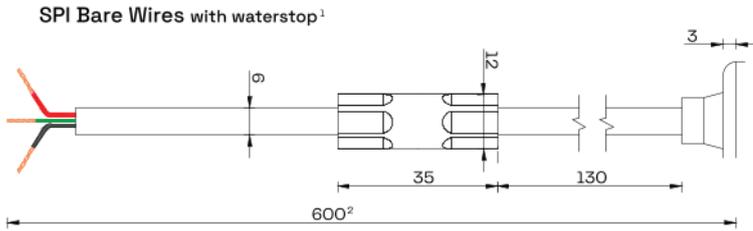
Physical	
Profile Material	Aluminum Alloy 6063
Transparent Profile Material	Polycarbonate
Aluminum Profile Finish	Blank Anodized

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

Cable Entry Options

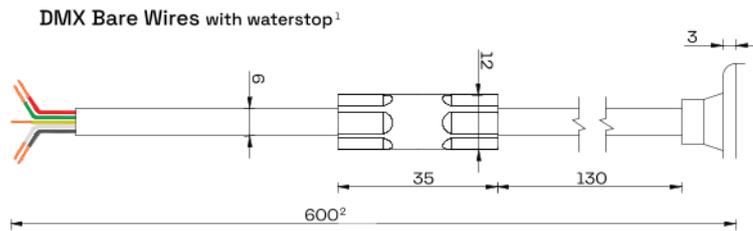


Connection Options



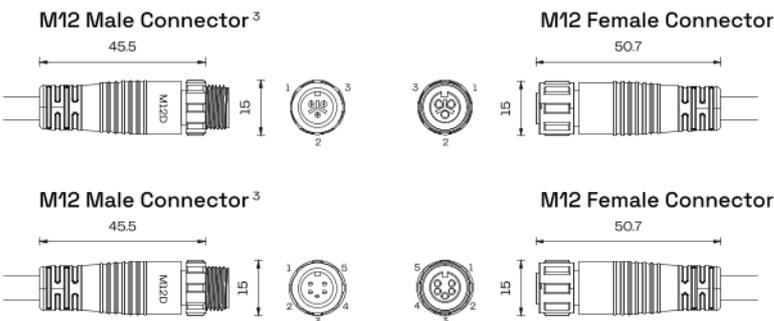
Wire Color

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

¹ Removing the waterstop will void the warranty.
² 600mm cable length is standard. Custom length is available on request.
³ When opting for M12 connector the cable including connector is 300mm.

Product References

DiGi Neonflex

Reference	Description
3171917	DiGi Neonflex Top Bend 1616 RGB SPI
3171916	DiGi Neonflex Top Bend 1616 RGB DMX
3171919	DiGi Neonflex Top Bend 1717 RGB SPI
3171918	DiGi Neonflex Top Bend 1717 RGB DMX
3171921	DiGi Neonflex Top Bend 3027 RGB SPI
3171920	DiGi Neonflex Top Bend 3027 RGB DMX
3171923	DiGi Neonflex Top Bend 2219 RGB SPI
3171922	DiGi Neonflex Top Bend 2219 RGB 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