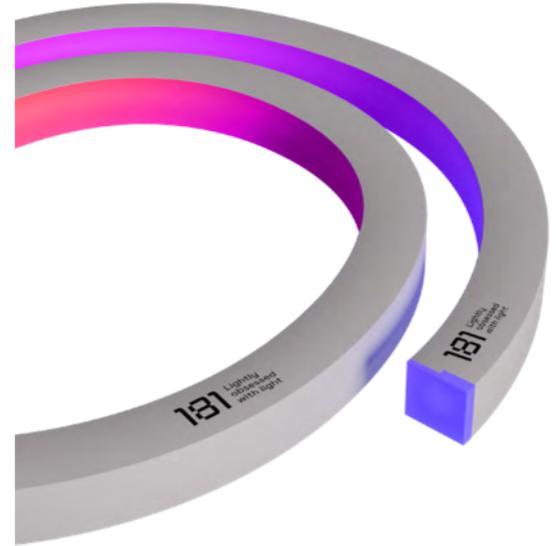


The DiGi Neonflex Top Bend Multi Color RGBW 48V is a flexible linear lighting solution for clean, continuous lines of dynamic RGBW lighting in architectural applications. With top-bend flexibility, it smoothly navigates tight curves, circular forms, and contours.

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

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



Specifications

General	
Power Consumption (W/m)	20
Input Voltage (V DC)	48
LEDs (/m)	84
LED Pitch (mm)	11,9
LEDs (/segment)	14
Pixels (/m)	6
Channels (/m)	24
Beam Angle (°)	1616, 2219 120
	1717 210
	3027 270
LED Type	4in1
Color Range	RGBW
CRI	≥80, ≥90
Control	DMX

Installation Conditions & Lighting Data			
Segment Length (mm)	167		
Bending Radius (mm)	1616, 1717	120	
	3027, 2219	400	
Maximum Run Length Power ¹ (m)	1616	Single Feed	14
		Double Feed	28
	1717, 3027, 2219	Single Feed	20
		Double Feed	40
Maximum Run Length Data ¹ (m)	@30fps	85	
	@45fps	57	
Maximum Leader Cable Length ¹ (m)	Up to 20		
Lumen Maintenance Calculated Hours (h)	L70 @ 25°C	70,000	
	L70 @ 50°C	50,000	

¹ 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

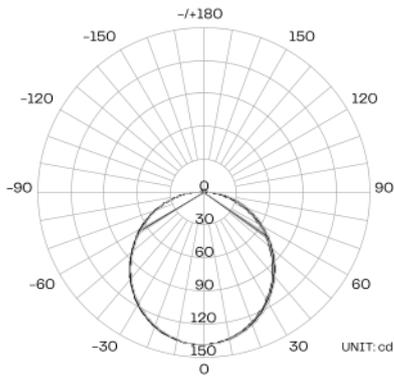
Color/CCT	
<input type="checkbox"/>	RGBW2700K
<input type="checkbox"/>	RGBW3000K
<input type="checkbox"/>	RGBW4000K
<input type="checkbox"/>	RGBW5000K

Lighting Specifications

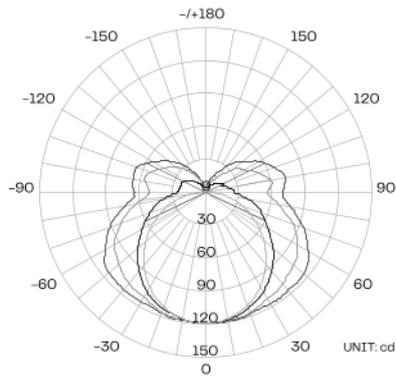
DiGi Neonflex Top Bend

	Full RGBW (lm/m)	Red (lm/m)	Green (lm/m)	Blue (lm/m)	White (lm/m)
1616 48V RGBW2700K DMX					
1616 48V RGBW3000K DMX	510	71	247	36	181
1616 48V RGBW4000K DMX					
1616 48V RGBW5000K DMX					
1717 48V RGBW2700K DMX					
1717 48V RGBW3000K DMX					
1717 48V RGBW4000K DMX					
1717 48V RGBW5000K DMX					
3027 48V RGBW2700K DMX					
3027 48V RGBW3000K DMX					
3027 48V RGBW4000K DMX					
3027 48V RGBW5000K DMX					
2219 48V RGBW2700K DMX					
2219 48V RGBW3000K DMX					
2219 48V RGBW4000K DMX					
2219 48V RGBW5000K DMX					

Photometric Distribution

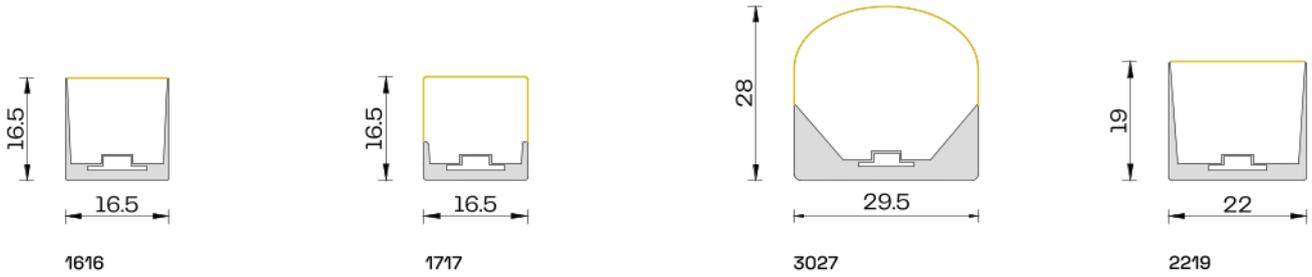


1616 - 113.0° Average Beam Angle

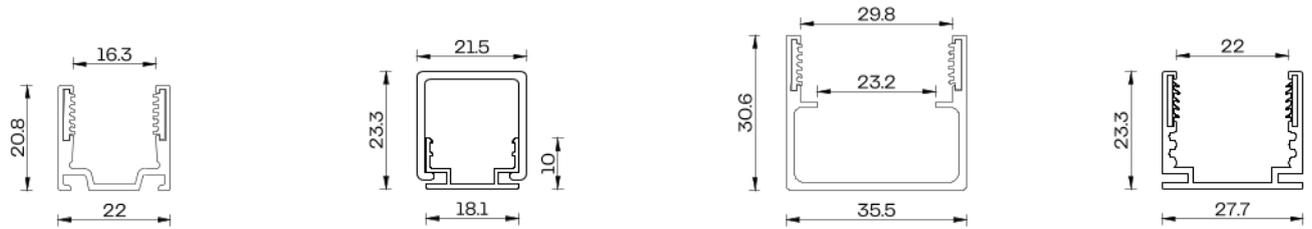


1717 - 164.6° Average Beam Angle

Dimensions



Accessory Options



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

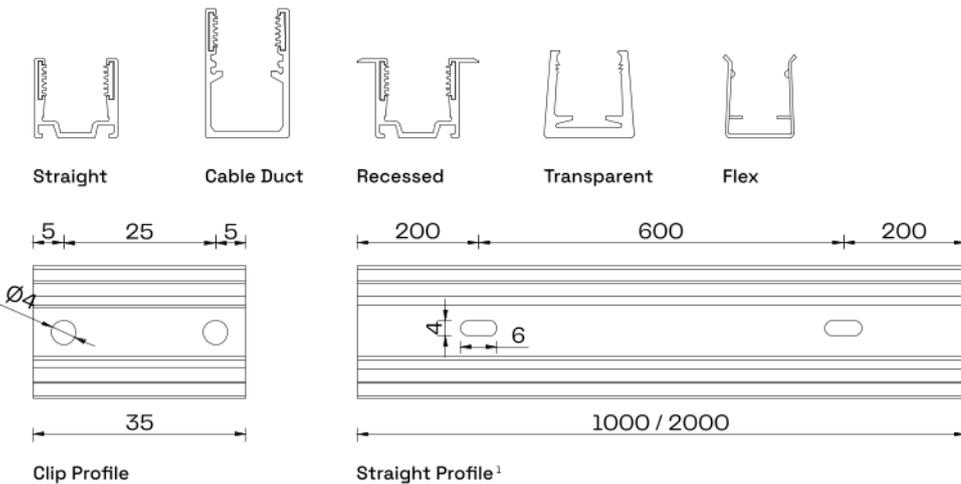
- 1717¹**
- ____ Straight Profile
 - ____ Clip Profile²
 - ____ Straight Profile Transparent

- 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.

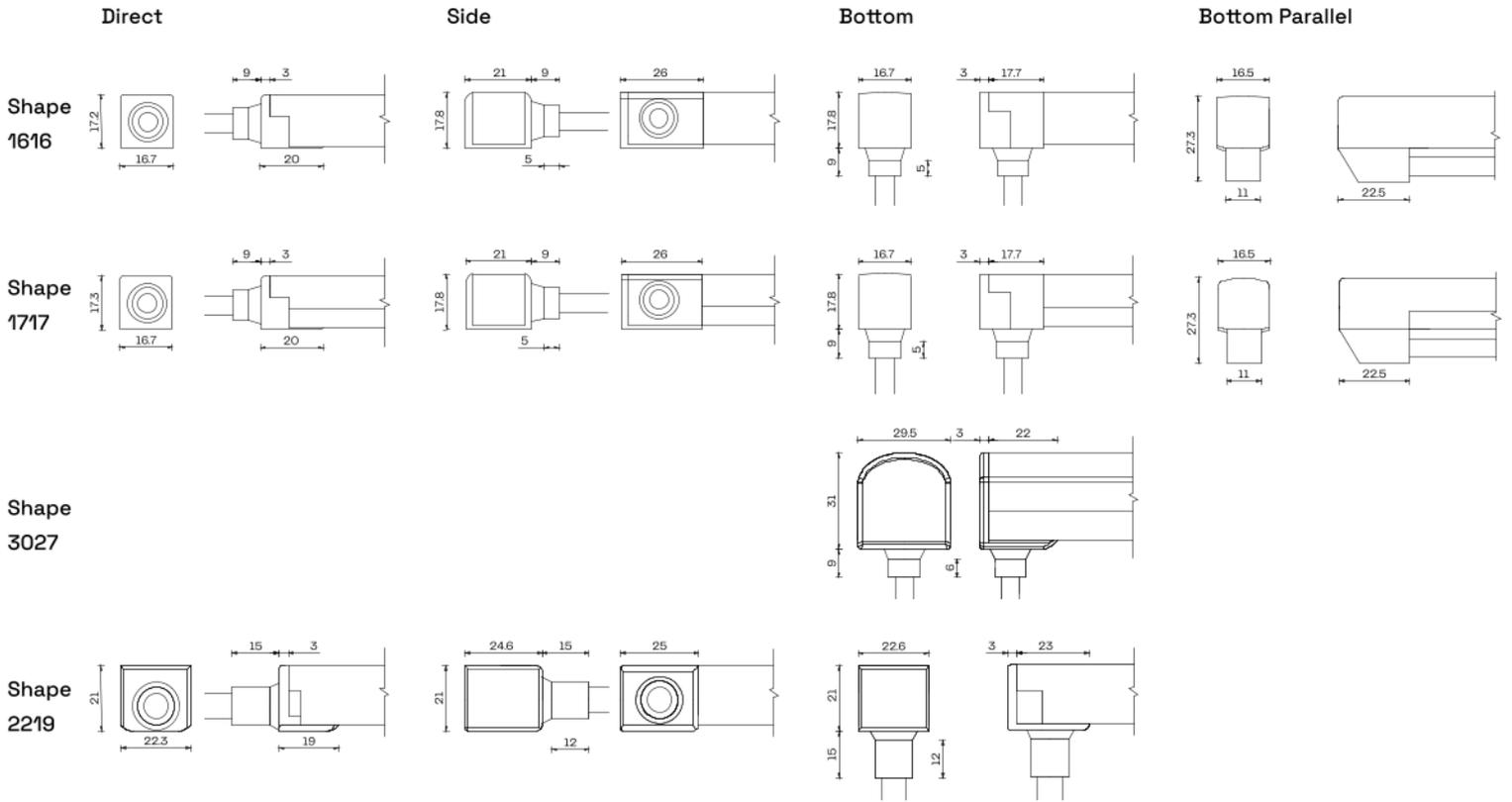
Profile Specifications



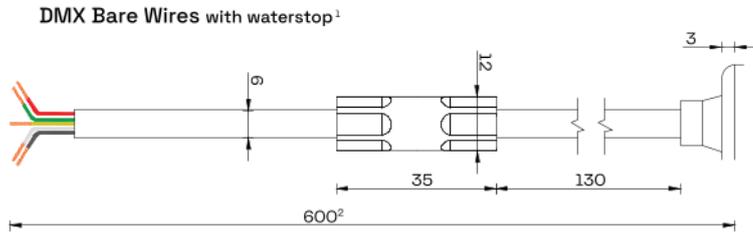
Physical	
Profile Material	Aluminum Alloy 6063
Transparent Profile Material	Polycarbonate
Aluminum Profile Finish	Blank Anodized

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

Cable Entry Options

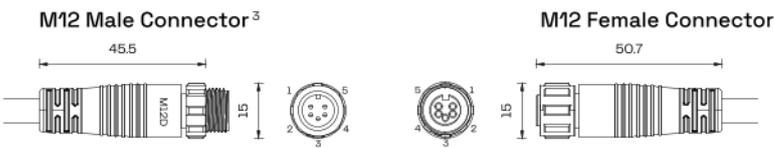


Connection Options



Wire Color

Red	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
3171964	DiGi Neonflex Top Bend 1616 48V RGBW2700K DMX
3171965	DiGi Neonflex Top Bend 1616 48V RGBW3000K DMX
3171966	DiGi Neonflex Top Bend 1616 48V RGBW4000K DMX
3171967	DiGi Neonflex Top Bend 1616 48V RGBW5000K DMX
3171968	DiGi Neonflex Top Bend 1717 48V RGBW2700K DMX
3171969	DiGi Neonflex Top Bend 1717 48V RGBW3000K DMX
3171970	DiGi Neonflex Top Bend 1717 48V RGBW4000K DMX
3171971	DiGi Neonflex Top Bend 1717 48V RGBW5000K DMX
3171972	DiGi Neonflex Top Bend 3027 48V RGBW2700K DMX
3171973	DiGi Neonflex Top Bend 3027 48V RGBW3000K DMX
3171974	DiGi Neonflex Top Bend 3027 48V RGBW4000K DMX
3171975	DiGi Neonflex Top Bend 3027 48V RGBW5000K DMX
3171976	DiGi Neonflex Top Bend 2219 48V RGBW2700K DMX
3171977	DiGi Neonflex Top Bend 2219 48V RGBW3000K DMX
3171978	DiGi Neonflex Top Bend 2219 48V RGBW4000K DMX
3171979	DiGi Neonflex Top Bend 2219 48V RGBW5000K 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