

DiGi Neonflex Top Bend

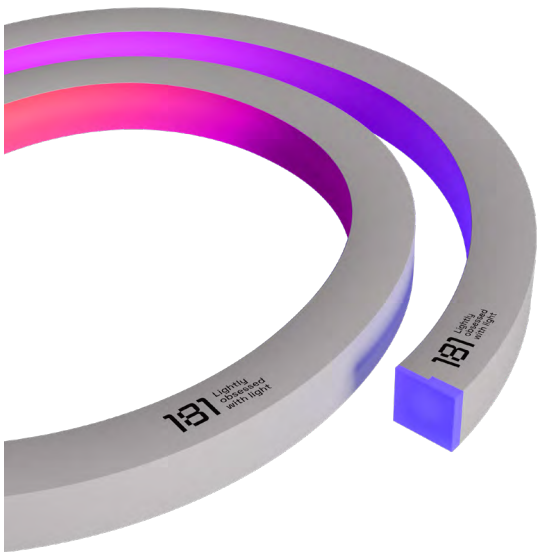
Multi Color RGBW 24V

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The DiGi Neonflex Top Bend Multi Color RGBW 24V 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 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.



CE

RoHS

UL

IP68

IK08

Specifications

General		
Power Consumption (W/m)	1313	22
	1616/1717	18
	3027/2219	
Input Voltage (V DC)	24	
LEDs (/m)	1313	84
	1616/1717	70
	3027/2219	
LED Pitch (mm)	1313	11,90
	1616/1717	14,29
	3027/2219	
Pixels (/m)	1313	12
	1616/1717	10
	3027/2219	
Color Range	RGBW	
Beam Angle (°)	1313/1616/2219	120
	1717	210
	3027	270
CRI	≥80, ≥90	
Control	SPI, DMX	

IK Rating	IK08
IP Rating	IP68
Certification	RoHs/CE/UL/UKCA/CB/FCC
Limited Warranty	5 Years

Physical		
Housing Material	Silicon	
Cover Material	Silicon	
Connector Material	Nylon (PA66)	
Housing Color	White	
Cable Color	Black	
Connector Type	Bare Wire/M12	
Weight (kg/m)	13/13	0,40
	1616/1717	0,45
	3027/ 2219	0,60
Dimensions WxH (mm)	1313	13,5 x 13,5
	1616/1717	16,5 x 16,5
	3027	30 x 28
	2219	22 x 19

Installation Conditions & Lighting Data		
Segment Length (mm)	1313	83,3
	1616/1717	100
	3027/2219	
Bending Radius (mm)	1313	80
	1616/1717	120
	3027/2219	400
Maximum Run Length (m)	8	
Lumen Maintenance Calculated Hours (h)	70,000 Hours L70 @ 25°C	
	50,000 Hours L70 @ 50°C	

Operating	
Environment	Outdoor
Installation Temperature (°C)	0 to +50
Working Temperature (°C)	-40 to +55
Saltwater Resistant	Yes
UV Resistant	Yes
Flame Resistant	Yes

Options

Color/CCT	
☐ RGBW2700K	☐ RGBW4000K
☐ RGBW3000K	☐ RGBW5000K

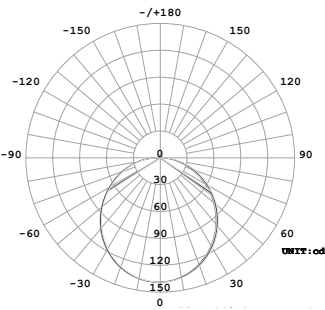
Control
☐ SPI
☐ DMX

Lighting Specifications

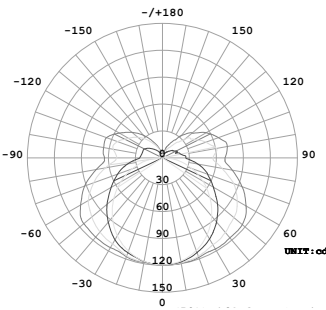
DiGi Neonflex Top Bend

	Full RGBW (lm/m)	Red (lm/m)	Green (lm/m)	Blue (lm/m)	White (lm/m)
1313 RGBW2700K SPI	682	101	283	58	304
1313 RGBW3000K SPI	719	102	292	60	312
1313 RGBW4000K SPI	704	93	280	59	333
1313 RGBW5000K SPI					
1616 RGBW2700K SPI	434	68	169	36	199
1616 RGBW3000K SPI	412	66	165	35	182
1616 RGBW4000K SPI	434	66	171	35	188
1616 RGBW5000K SPI					
1616 RGBW2700K DMX	397	59	157	31	169
1616 RGBW3000K DMX	532	75	205	41	238
1616 RGBW4000K DMX	395	60	155	31	174
1616 RGBW5000K DMX					
1717 RGBW2700K SPI	670	93	275	57	303
1717 RGBW3000K SPI	620	96	256	52	270
1717 RGBW4000K SPI	644	89	252	51	290
1717 RGBW5000K SPI					
1717 RGBW2700K DMX					
1717 RGBW3000K DMX					
1717 RGBW4000K DMX					
1717 RGBW5000K DMX					
3027 RGBW2700K SPI					
3027 RGBW3000K SPI					
3027 RGBW4000K SPI					
3027 RGBW5000K SPI					
3027 RGBW2700K DMX					
3027 RGBW3000K DMX					
3027 RGBW4000K DMX					
3027 RGBW5000K DMX					
2219 RGBW2700K SPI					
2219 RGBW3000K SPI					
2219 RGBW4000K SPI					
2219 RGBW5000K SPI					
2219 RGBW2700K DMX					
2219 RGBW3000K DMX					
2219 RGBW4000K DMX					
2219 RGBW5000K DMX					

Photometric Distribution

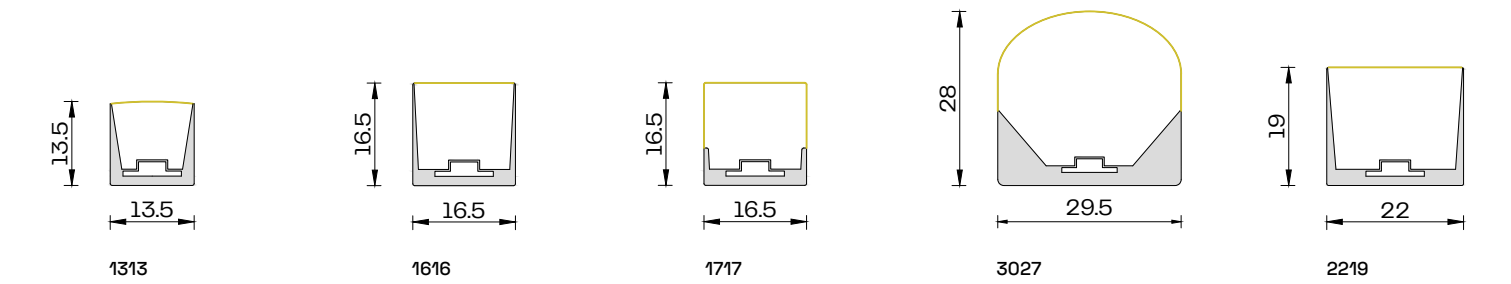


1616 - 113.0° Average Beam Angle

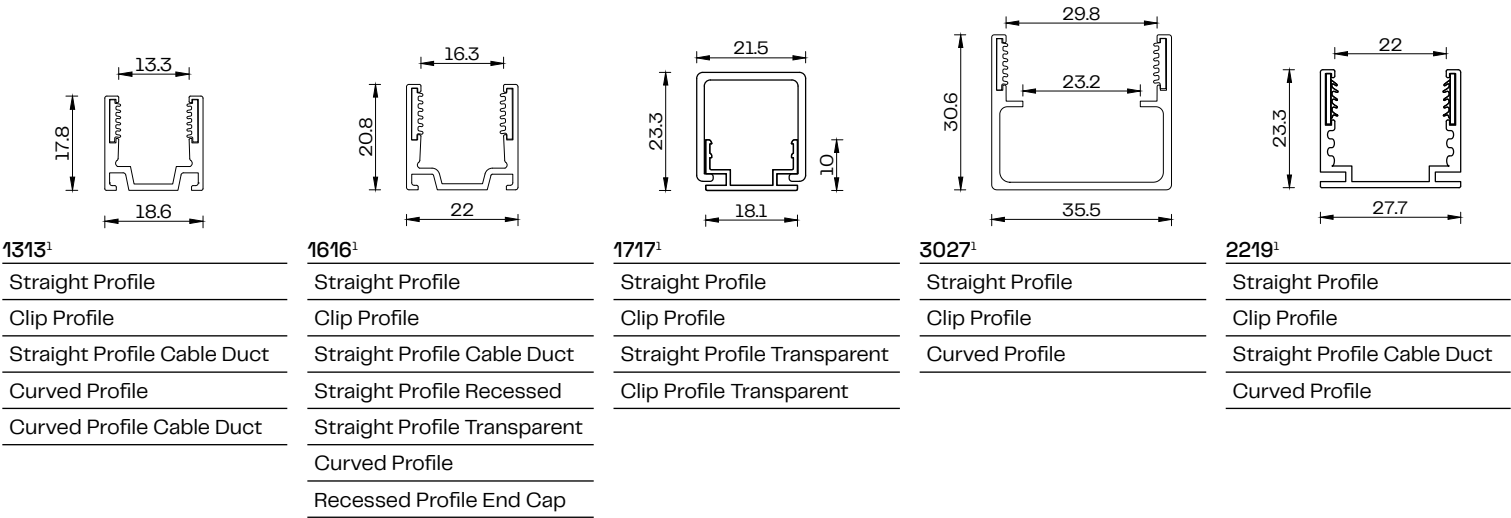


1717 - 164.6° Average Beam Angle

Dimensions

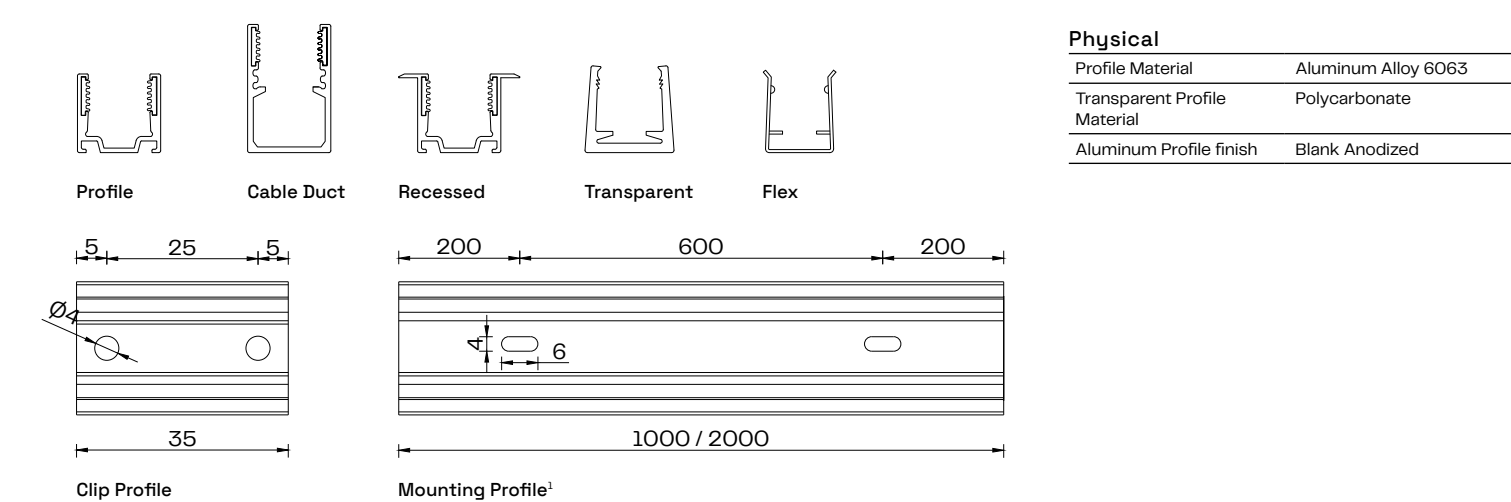


Accessory Options



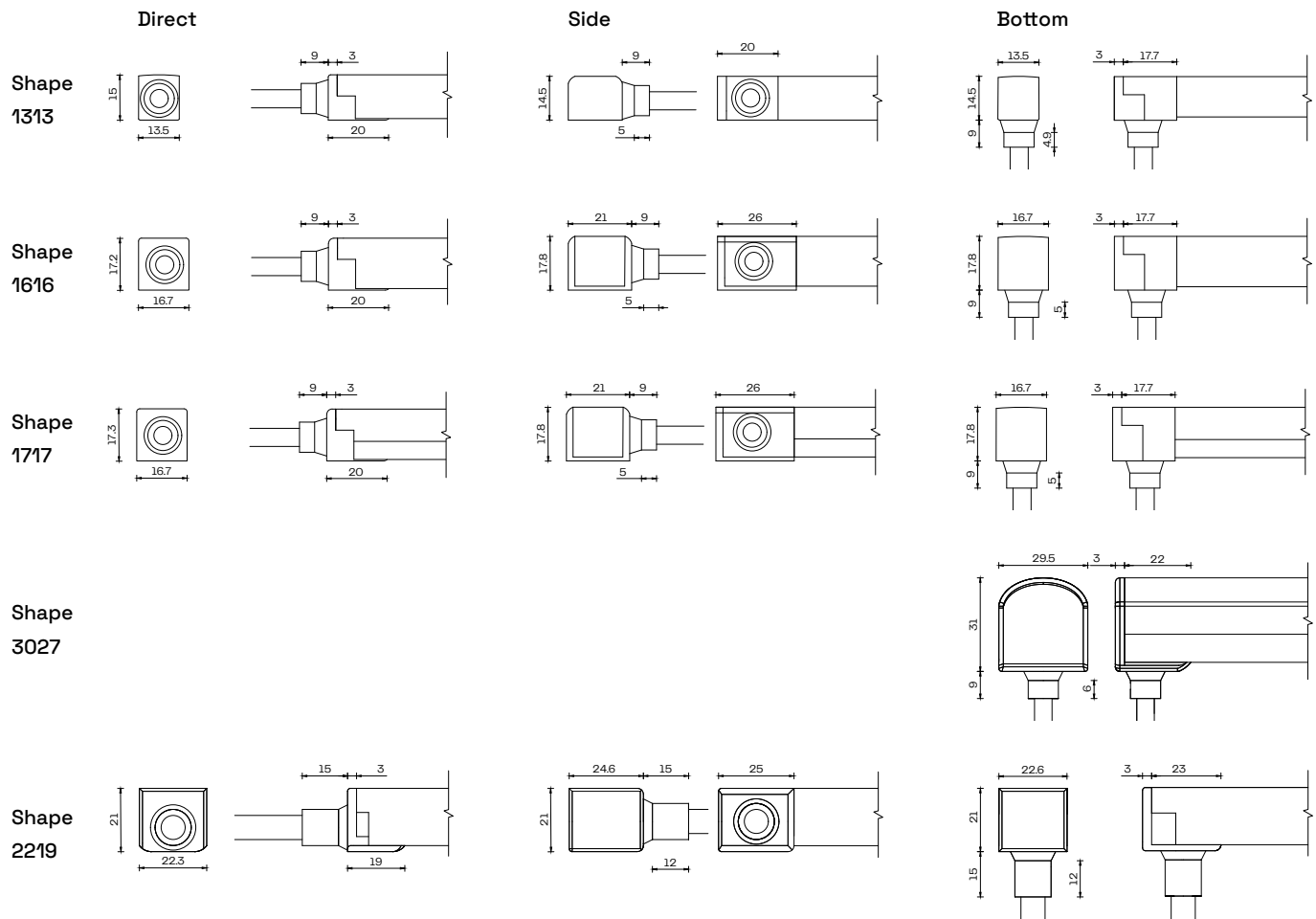
¹Straight Profile is shown. The dimensions shown are not to scale. Please refer to the Dimension Sheet document for additional dimensions.

Profile Specifications



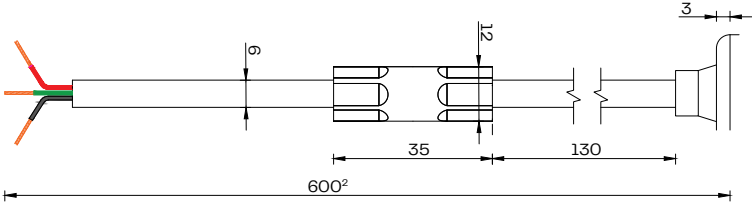
¹1000mm profile is standard. 2000mm is available to order.

Cable Entry Options

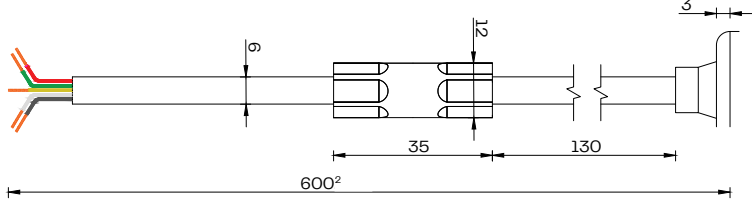


Connection Options

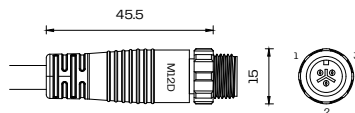
SPI Bare Wires with waterstop¹



DMX Bare Wires with waterstop¹



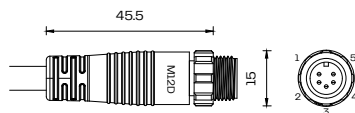
M12 Male Connector³



M12 Female Connector



M12 Male Connector³



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

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

Product References

DiGi Neonflex

Reference	Description
3167346	DiGi Neonflex Top Bend 1313 RGBW2700K SPI
3171929	DiGi Neonflex Top Bend 1313 RGBW3000K SPI
3171930	DiGi Neonflex Top Bend 1313 RGBW4000K SPI
3171931	DiGi Neonflex Top Bend 1313 RGBW5000K SPI
3167368	DiGi Neonflex Top Bend 1616 RGBW2700K SPI
3171937	DiGi Neonflex Top Bend 1616 RGBW3000K SPI
3171938	DiGi Neonflex Top Bend 1616 RGBW4000K SPI
3171939	DiGi Neonflex Top Bend 1616 RGBW5000K SPI
3171932	DiGi Neonflex Top Bend 1616 RGBW2700K DMX
3171933	DiGi Neonflex Top Bend 1616 RGBW3000K DMX
3171934	DiGi Neonflex Top Bend 1616 RGBW4000K DMX
3171935	DiGi Neonflex Top Bend 1616 RGBW5000K DMX
3167388	DiGi Neonflex Top Bend 1717 RGBW2700K SPI
3171945	DiGi Neonflex Top Bend 1717 RGBW3000K SPI
3171946	DiGi Neonflex Top Bend 1717 RGBW4000K SPI
3171947	DiGi Neonflex Top Bend 1717 RGBW5000K SPI
3171940	DiGi Neonflex Top Bend 1717 RGBW2700K DMX
3171941	DiGi Neonflex Top Bend 1717 RGBW3000K DMX

3171942	DiGi Neonflex Top Bend 1717 RGBW4000K DMX
3171943	DiGi Neonflex Top Bend 1717 RGBW5000K DMX
3171952	DiGi Neonflex Top Bend 3027 RGBW2700K SPI
3171953	DiGi Neonflex Top Bend 3027 RGBW3000K SPI
3171954	DiGi Neonflex Top Bend 3027 RGBW4000K SPI
3171955	DiGi Neonflex Top Bend 3027 RGBW5000K SPI
3171948	DiGi Neonflex Top Bend 3027 RGBW2700K DMX
3171949	DiGi Neonflex Top Bend 3027 RGBW3000K DMX
3171950	DiGi Neonflex Top Bend 3027 RGBW4000K DMX
3171951	DiGi Neonflex Top Bend 3027 RGBW5000K DMX
3171960	DiGi Neonflex Top Bend 2219 RGBW2700K SPI
3171961	DiGi Neonflex Top Bend 2219 RGBW3000K SPI
3171962	DiGi Neonflex Top Bend 2219 RGBW4000K SPI
3171963	DiGi Neonflex Top Bend 2219 RGBW5000K SPI
3171956	DiGi Neonflex Top Bend 2219 RGBW2700K DMX
3171957	DiGi Neonflex Top Bend 2219 RGBW3000K DMX
3171958	DiGi Neonflex Top Bend 2219 RGBW4000K DMX
3171959	DiGi Neonflex Top Bend 2219 RGBW5000K DMX

Accessories

Straight Profiles

Reference	Description
3167903	Neonflex 1313 Straight Profile 1000
3167925	Neonflex 1313 Straight Profile 2000
3167933	Neonflex 1313 Clip Profile
3167962	Neonflex 1313 Straight Profile Cable Duct 1000
3167963	Neonflex 1313 Straight Profile Cable Duct 2000
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
3167916	Neonflex Top Bend 1313 Curved Profile 1000
3167941	Neonflex Top Bend 1313 Curved Profile 2000
3167951	Neonflex Top Bend 1313 Curved Profile Cable Duct 1000
3167952	Neonflex Top Bend 1313 Curved Profile Cable Duct 2000
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