

Neonflex Top Bend

Tunable White 24V

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Neonflex Top Bend Tunable White 24V is a flexible linear lighting solution for clean, continuous lines of white light 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.

Engineered for reliable outdoor performance, it delivers consistent white illumination through PWM control with CRI ≥80–90 for accurate color rendering. Housed in robust silicone with nylon connector material and rated IP68 and IK08, it withstands UV, saltwater, and extreme temperatures from -40°C to +55° for long-term outdoor durability.

↘ Top-bending – With tight radius options enables seamless integration into curved architectural elements and circular installations.

↘ Durability – IP68/IK08 rating with saltwater resistance and over 70,000 hour lifespan ensures reliable performance in harsh outdoor environments.

CE

RoHS

UL

IP68

IK08



Specifications

General		
Power Consumption (W/m)	12	
Input Voltage (V DC)	24	
LEDs (/m)	120	
LED Pitch (mm)	8,33	
Color Range	Tunable White	
Beam Angle (°)	1313/1616/2219	120
	1717	210
	3027	270
LEDs (/segment)	12	
CRI	≥80, ≥90	
Control	PWM	

Installation Conditions & Lighting Data			
Segment Length (mm)	100		
Bending Radius (mm)	1313	80	
	1616/1717	120	
	3027/2219	400	
Maximum Run Length (m)		Single Feed	Double Feed
	1313	8	16
	1616/1717 3027/2219	10	20
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
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)	1010	0,40
	1313	0,45
	1616	0,45
	1717	0,45
	3027	0,60
	2219	0,60
Dimensions WxH (mm)	1010	10 x 10
	1313	13,5 x 13,5
	1616	16,5 x 16,5
	1717	16,5 x 16,5
	3027	30 x 28
	2219	22 x 19

Options

Color/CCT	
☐	2200K-5700K
☐	2700K-5700K
☐	3000K-5700K

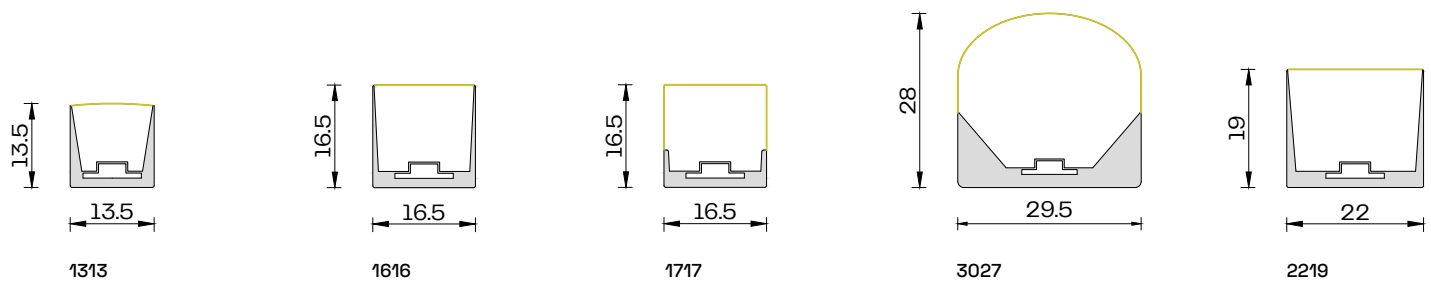
Lighting Specifications

Neonflex Top Bend

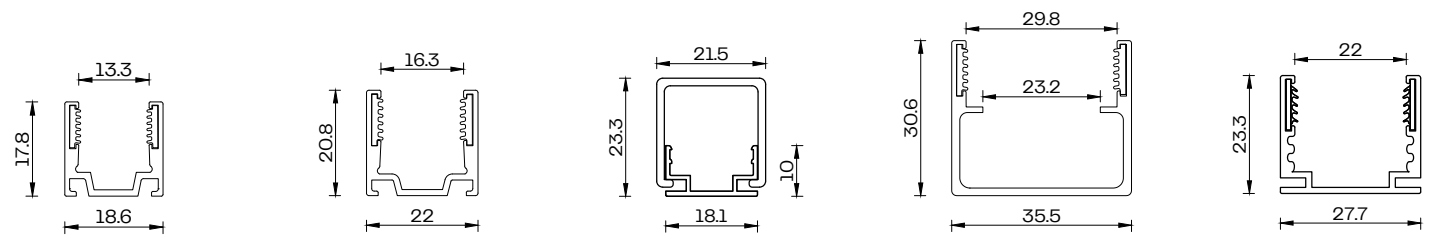
	Full White (lm/m)	Warm White (lm/m)	Cold White (lm/m)
1313 Tunable White 2200-5700K			
1313 Tunable White 2700-5700K			
1313 Tunable White 3000-5700K			
1616 Tunable White 2200-5700K			
1616 Tunable White 2700-5700K			
1616 Tunable White 3000-5700K			
1717 Tunable White 2200-5700K			
1717 Tunable White 2700-5700K			
1717 Tunable White 3000-5700K			
3027 Tunable White 2200-5700K			
3027 Tunable White 2700-5700K			
3027 Tunable White 3000-5700K			
2219 Tunable White 2200-5700K			
2219 Tunable White 2700-5700K			
2219 Tunable White 3000-5700K			

Photometric Distribution

Dimensions



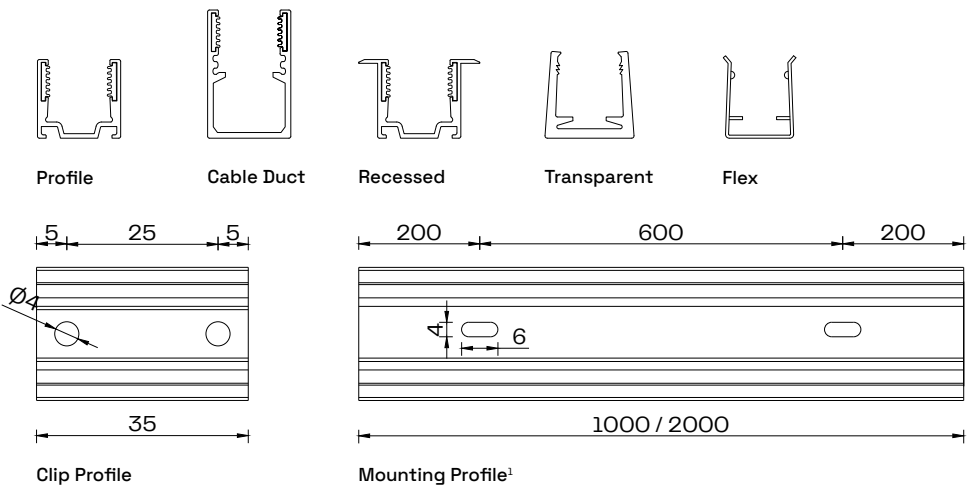
Accessory Options



1313 ¹	1616 ¹	1717 ¹	3027 ¹	2219 ¹
Straight Profile	Straight Profile	Straight Profile	Straight Profile	Straight Profile
Clip Profile	Clip Profile	Clip Profile	Clip Profile	Clip Profile
Straight Profile Cable Duct	Straight Profile Cable Duct	Straight Profile Transparent	Curved Profile	Straight Profile Cable Duct
Curved Profile	Straight Profile Recessed			Curved Profile
Curved Profile Cable Duct	Straight Profile Transparent			
	Curved Profile			
	Recessed Profile End Cap			

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

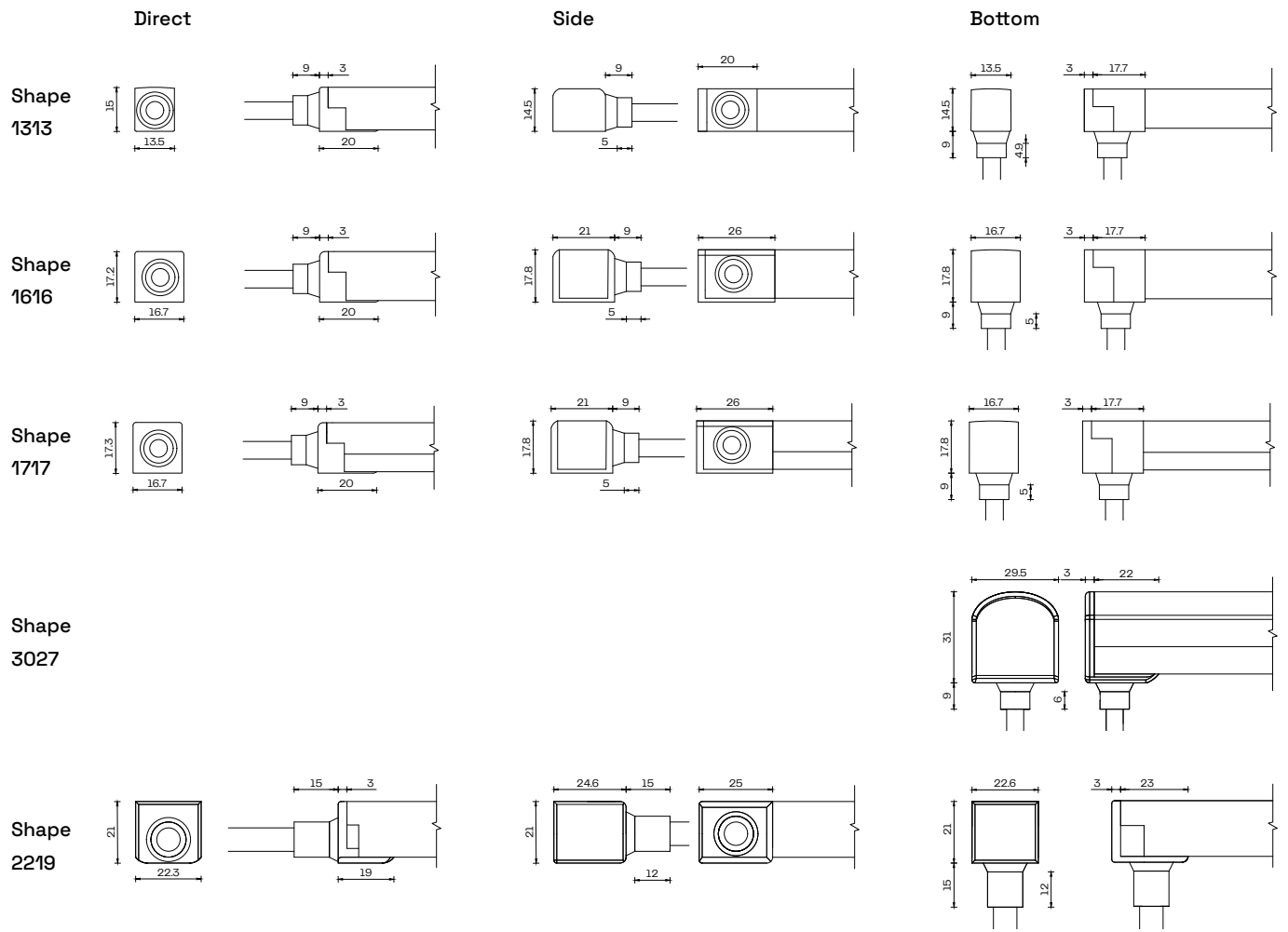
Profile Specifications



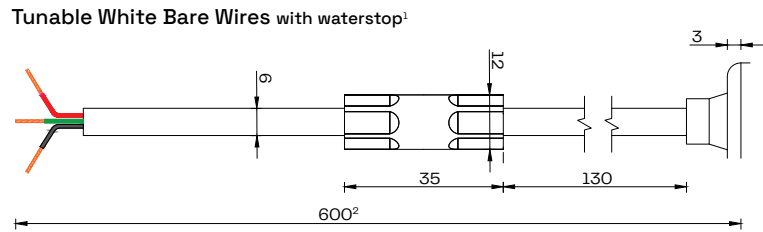
Physical	
Profile Material	Aluminum Alloy 6063
Transparent Profile Material	Polycarbonate
Aluminum Profile finish	Blank Anodized

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

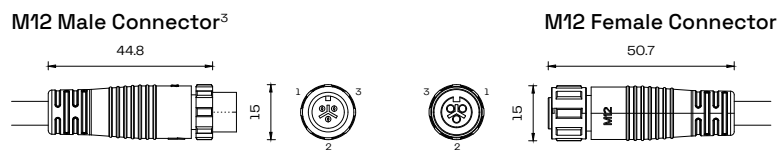
Cable Entry Options



Connection Options



Wire Color	
Red	24 V+
Green	Warm White
Black	Cold White



Connector Pin		
Pin 1	Red	24 V+
Pin 2	Green	Warm White
Pin 3	Black	Cold White

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

Neonflex

Reference	Description
3171351	Neonflex Top Bend 1313 Tunable White 2200-5700K
3171352	Neonflex Top Bend 1313 Tunable White 2700-5700K
3171353	Neonflex Top Bend 1313 Tunable White 3000-5700K
3171354	Neonflex Top Bend 1616 Tunable White 2200-5700K
3171355	Neonflex Top Bend 1616 Tunable White 2700-5700K
3171356	Neonflex Top Bend 1616 Tunable White 3000-5700K
3171357	Neonflex Top Bend 1717 Tunable White 2200-5700K
3171358	Neonflex Top Bend 1717 Tunable White 2700-5700K
3171359	Neonflex Top Bend 1717 Tunable White 3000-5700K
3171360	Neonflex Top Bend 3027 Tunable White 2200-5700K
3171361	Neonflex Top Bend 3027 Tunable White 2700-5700K
3171362	Neonflex Top Bend 3027 Tunable White 3000-5700K
3171363	Neonflex Top Bend 2219 Tunable White 2200-5700K
3171364	Neonflex Top Bend 2219 Tunable White 2700-5700K
3171365	Neonflex Top Bend 2219 Tunable White 3000-5700K

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