

Neonflex Top Bend White 24V

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Neonflex Top Bend 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 $\geq 80-90$ 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 $+55^{\circ}\text{C}$ 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  IP68 IK08



Specifications

General

Power Consumption (W/m)	1010/1313/1616 1717/3027/2219	10
	1616/1717/3027/2219	15
Input Voltage (V DC)	24	
LEDs (/m)	1010	120
	1313/1616/1717 3027/2219 (10 W)	144
	1616/1717/3027/2219 (15 W)	84
LED Pitch (mm)	1010	8,33
	1313/1616/1717 (10W) 3027/2219	6,94
	1616/1717/3027/2219 (15 W)	11,9
Color Range	White	
Beam Angle (°)	1010/1313/1616/2219 1717 3027	120 210 270
LEDs (/segment)	1010/1313/1616 1717/3027/2219 (10 W) 1616/1717/3027/2219 (15 W)	12 7
CRI	$\geq 80, \geq 90$	
Control	PWM	

Installation Conditions & Lighting Data

Segment Length (mm)	1010	100
	1313/1616/1717/3027 (10 W) 1616/1717/3027/2219 (15 W)	83,3
Bending Radius (mm)	1010 (10 W) 1313 (10 W) 1616/1717 (10 W) 3027/2219 (15 W)	150 80 120 400
Lumen Maintenance Calculated Hours (h)	70,000 Hours L70 @ 25°C 50,000 Hours L70 @ 50°C	

Maximum Run Length (m)	1010	(10 W)	Single Feed	Double Feed
	1313/1616/1717/3027/2219	(10 W)	10	20
	1616/1717/3027/2219	(15 W)	8	16

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/OB/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) & Dimensions WxH (mm)	Weight	Dimensions	
	1010	0,40	10 x 10
	1313	0,40	13,5 x 13,5
	1616/1717	0,45	16,5 x 16,5
	3027	0,60	30 x 28
2219	0,60	22 x 19	

Options

Color/CCT

- 2200K
 2700K
 3000K
 3500K
 4000K
 4500K
 5000K
 6500K

Lighting Specifications

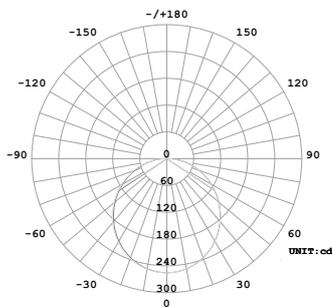
Neonflex Top Bend

	Full White (lm/m)
1010 2200K	666
1010 2700K	777
1010 3000K	797
1010 3500K	816
1010 4000K	767
1010 4500K	
1010 5000K	831
1010 6500K	
1313 2200K	
1313 2700K	590
1313 3000K	697
1313 3500K	719
1313 4000K	740
1313 4500K	
1313 5000K	731
1313 6500K	569
1616 2200K 10W	558
1616 2700K 10W	544
1616 3000K 10W	563
1616 3500K 10W	690
1616 4000K 10W	585
1616 4500K 10W	612
1616 5000K 10W	686
1616 6500K 10W	676
1616 2200K 15W	
1616 2700K 15W	1192
1616 3000K 15W	1262

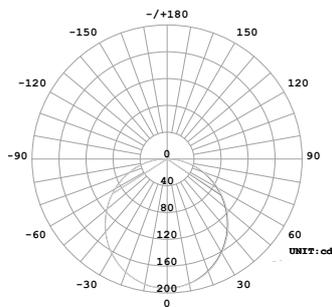
	Full White (lm/m)
1616 3500K 15W	
1616 4000K 15W	
1616 4500K 15W	
1616 5000K 15W	
1616 6500K 15W	
1717 2200K 10W	565
1717 2700K 10W	657
1717 3000K 10W	707
1717 3500K 10W	643
1717 4000K 10W	817
1717 4500K 10W	627
1717 5000K 10W	734
1717 6500K 10W	683
1717 2200K 15W	
1717 2700K 15W	
1717 3000K 15W	
1717 3500K 15W	
1717 4000K 15W	
1717 4500K 15W	
1717 5000K 15W	
1717 6500K 15W	
3027 2200K 10W	
3027 2700K 10W	
3027 3000K 10W	
3027 3500K 10W	
3027 4000K 10W	
3027 4500K 10W	

	Full White (lm/m)
3027 5000K 10W	
3027 6500K 10W	
3027 2200K 15W	
3027 2700K 15W	
3027 3000K 15W	
3027 3500K 15W	
3027 4000K 15W	
3027 4500K 15W	
3027 5000K 15W	
3027 6500K 15W	
2219 2200K 10W	
2219 2700K 10W	
2219 3000K 10W	592
2219 3500K 10W	
2219 4000K 10W	
2219 4500K 10W	
2219 5000K 10W	
2219 6500K 10W	
2219 2200K 15W	
2219 2700K 15W	
2219 3000K 15W	
2219 3500K 15W	
2219 4000K 15W	
2219 4500K 15W	
2219 5000K 15W	
2219 6500K 15W	

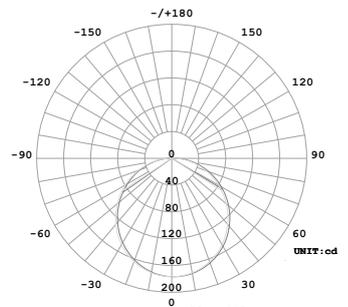
Photometric Distribution



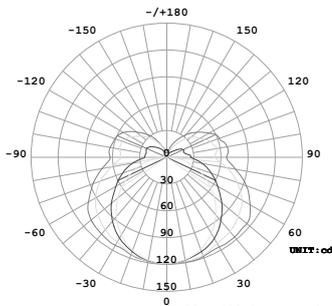
1010 - 112.9° Average Beam Angle



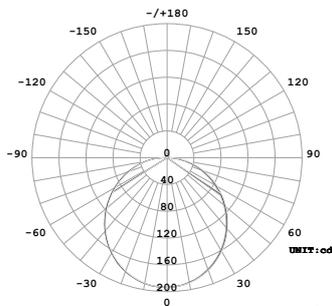
1313 - 113.5° Average Beam Angle



1616 - 113.5° Average Beam Angle

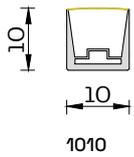


1717 - 158.9° Average Beam Angle

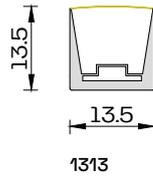


2219 - 112.7° Average Beam Angle

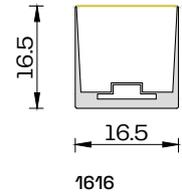
Dimensions



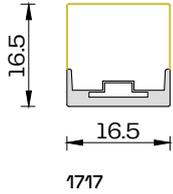
1010



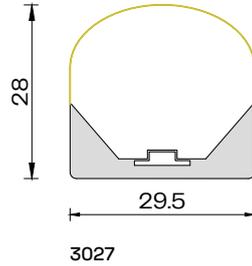
1313



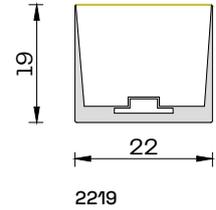
1616



1717

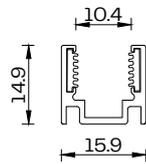


3027



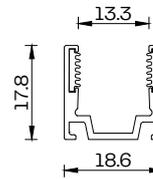
2219

Accessory Options



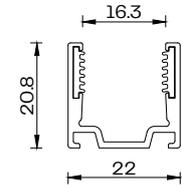
1010¹

- ____ Straight Profile
- ____ Clip Profile
- ____ Straight Profile Transparent
- ____ Curved Profile



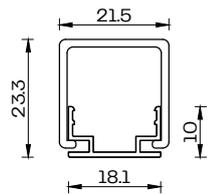
1313¹

- ____ Straight Profile
- ____ Clip Profile
- ____ Straight Profile Cable Duct
- ____ Curved Profile
- ____ Curved Profile Cable Duct



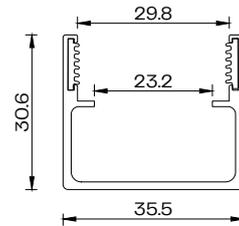
1616¹

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



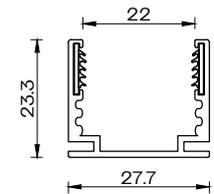
1717¹

- ____ Straight Profile
- ____ Clip Profile
- ____ Straight Profile Transparent



3027¹

- ____ Straight Profile
- ____ Clip Profile
- ____ Curved Profile

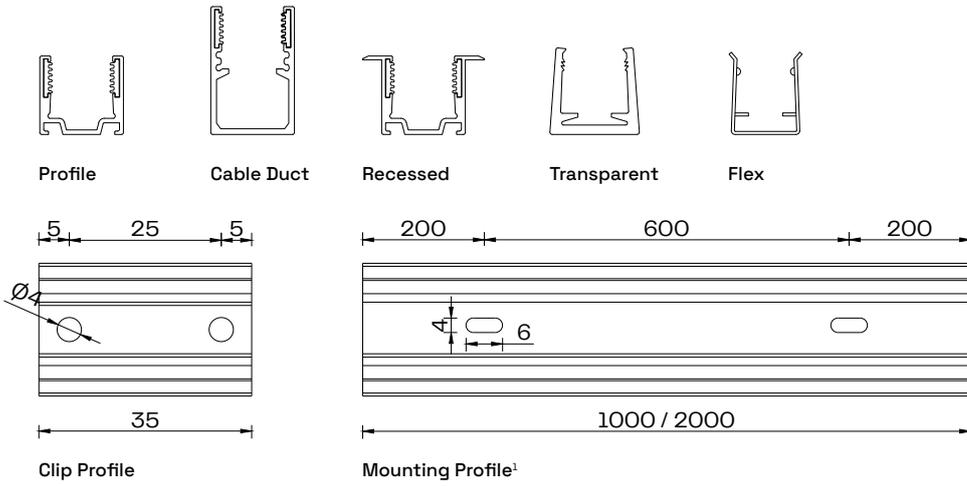


2219¹

- ____ Straight Profile
- ____ Clip Profile
- ____ Straight Profile Cable Duct
- ____ Curved Profile

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

Profile Specifications

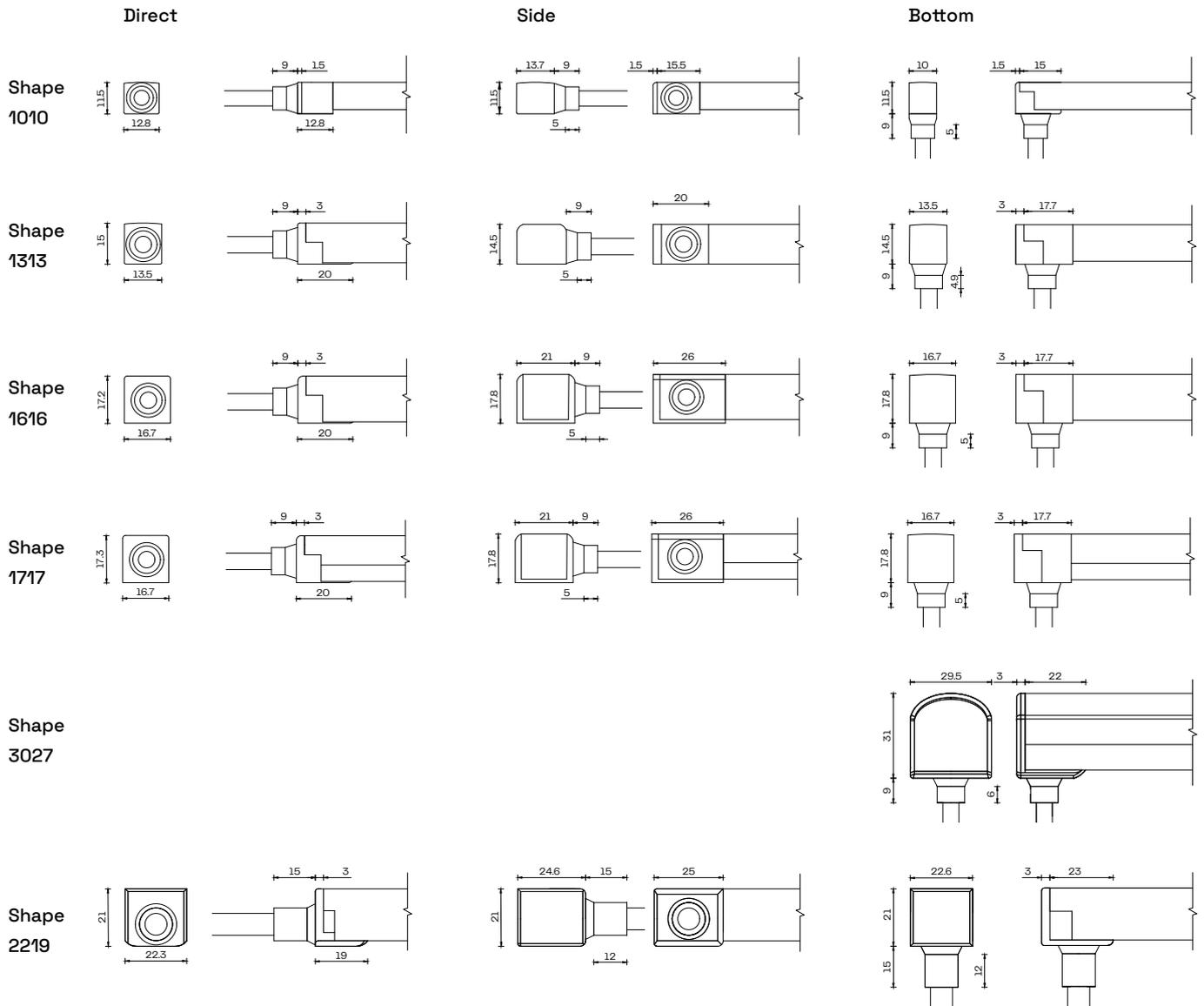


Physical

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

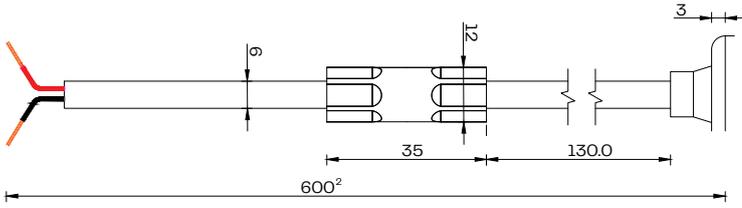
¹1000mm profile is standard. 2000mm is available to order.

Cable Entry Options



Connection Options

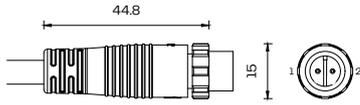
White Bare Wires with waterstop¹



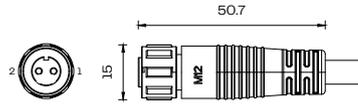
Wire Color

Red	24 V+
Black	GND

M12 Male Connector³



M12 Female Connector



Connector Pin

Pin 1	Red	24 V+
Pin 2	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

Neonflex

Reference	Description
3172001	Neonflex Top Bend 1010 2200K
3172002	Neonflex Top Bend 1010 2700K
3172003	Neonflex Top Bend 1010 3000K
3172004	Neonflex Top Bend 1010 3500K
3172005	Neonflex Top Bend 1010 4000K
3172006	Neonflex Top Bend 1010 4500K
3172007	Neonflex Top Bend 1010 5000K
3172008	Neonflex Top Bend 1010 6500K
3167341	Neonflex Top Bend 1313 2200K
3167342	Neonflex Top Bend 1313 2700K
3167343	Neonflex Top Bend 1313 3000K
3172012	Neonflex Top Bend 1313 3500K
3167344	Neonflex Top Bend 1313 4000K
3172014	Neonflex Top Bend 1313 4500K
3167345	Neonflex Top Bend 1313 5000K
3172016	Neonflex Top Bend 1313 6500K
3172017	Neonflex Top Bend 1616 2200K 10W
3172018	Neonflex Top Bend 1616 2700K 10W
3172019	Neonflex Top Bend 1616 3000K 10W
3172020	Neonflex Top Bend 1616 3500K 10W
3172021	Neonflex Top Bend 1616 4000K 10W
3172022	Neonflex Top Bend 1616 4500K 10W
3172023	Neonflex Top Bend 1616 5000K 10W
3172024	Neonflex Top Bend 1616 6500K 10W
3172097	Neonflex Top Bend 1616 2200K 15W
3172098	Neonflex Top Bend 1616 2700K 15W
3172099	Neonflex Top Bend 1616 3000K 15W
3172100	Neonflex Top Bend 1616 3500K 15W
3172101	Neonflex Top Bend 1616 4000K 15W
3172102	Neonflex Top Bend 1616 4500K 15W
3172103	Neonflex Top Bend 1616 5000K 15W
3172104	Neonflex Top Bend 1616 6500K 15W
3172025	Neonflex Top Bend 1717 2200K 10W
3172026	Neonflex Top Bend 1717 2700K 10W
3172027	Neonflex Top Bend 1717 3000K 10W
3172028	Neonflex Top Bend 1717 3500K 10W
3172029	Neonflex Top Bend 1717 4000K 10W
3172030	Neonflex Top Bend 1717 4500K 10W
3172031	Neonflex Top Bend 1717 5000K 10W
3172032	Neonflex Top Bend 1717 6500K 10W
3172105	Neonflex Top Bend 1717 2200K 15W
3172106	Neonflex Top Bend 1717 2700K 15W
3172107	Neonflex Top Bend 1717 3000K 15W
3172108	Neonflex Top Bend 1717 3500K 15W
3172109	Neonflex Top Bend 1717 4000K 15W
3172110	Neonflex Top Bend 1717 4500K 15W
3172111	Neonflex Top Bend 1717 5000K 15W
3172112	Neonflex Top Bend 1717 6500K 15W
3167401	Neonflex Top Bend 3027 2200K 10W
3172034	Neonflex Top Bend 3027 2700K 10W
3172035	Neonflex Top Bend 3027 3000K 10W
3172036	Neonflex Top Bend 3027 3500K 10W
3172037	Neonflex Top Bend 3027 4000K 10W
3172038	Neonflex Top Bend 3027 4500K 10W
3172039	Neonflex Top Bend 3027 5000K 10W
3172040	Neonflex Top Bend 3027 6500K 10W
3172113	Neonflex Top Bend 3027 2200K 15W
3172114	Neonflex Top Bend 3027 2700K 15W
3172115	Neonflex Top Bend 3027 3000K 15W
3172116	Neonflex Top Bend 3027 3500K 15W
3172117	Neonflex Top Bend 3027 4000K 15W
3172118	Neonflex Top Bend 3027 4500K 15W
3172119	Neonflex Top Bend 3027 5000K 15W
3172120	Neonflex Top Bend 3027 6500K 15W
3172041	Neonflex Top Bend 2219 2200K 10W
3172042	Neonflex Top Bend 2219 2700K 10W
3172043	Neonflex Top Bend 2219 3000K 10W
3172044	Neonflex Top Bend 2219 3500K 10W
3172045	Neonflex Top Bend 2219 4000K 10W
3172046	Neonflex Top Bend 2219 4500K 10W
3172047	Neonflex Top Bend 2219 5000K 10W
3172048	Neonflex Top Bend 2219 6500K 10W
3172121	Neonflex Top Bend 2219 2200K 15W
3172122	Neonflex Top Bend 2219 2700K 15W
3172123	Neonflex Top Bend 2219 3000K 15W
3172124	Neonflex Top Bend 2219 3500K 15W
3172125	Neonflex Top Bend 2219 4000K 15W
3172126	Neonflex Top Bend 2219 4500K 15W
3172127	Neonflex Top Bend 2219 5000K 15W
3172128	Neonflex Top Bend 2219 6500K 15W

Accessories

Straight Profiles

Reference	Description
3167902	Neonflex 1010 Straight Profile 1000
3167924	Neonflex 1010 Straight Profile 2000
3167932	Neonflex 1010 Clip Profile
3167961	Neonflex 1010 Straight Profile Transparent
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

Product References (continued)

Curved Profiles

Reference	Description
3167923	Neonflex Top Bend 1010 Curved Profile 1000
3167940	Neonflex Top Bend 1010 Curved Profile 2000
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