

Neonflex Top Bend

Single Color 24V

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Neonflex Top Bend Single Color 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 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.

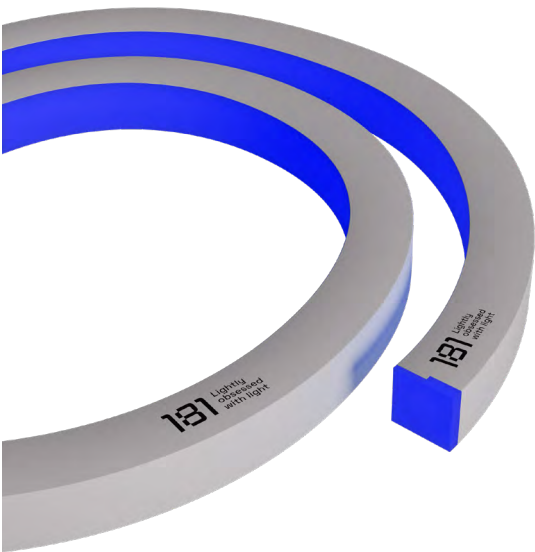
CE

RoHS

UL

IP68

IK08



Specifications

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

Installation Conditions & Lighting Data			
Segment Length (mm)	1010	100	
	1313/1616/17173027/2219	83,3	
	1313	80	
Bending Radius (mm)	1616/1717	120	
	1010	150	
	3027/2219	400	
		Single Feed	Double Feed
Maximum Run Length (m)	1010	5	10
	1313/1616/1717	(10 W)	20
	3027/2219		
	1616/1717	(15 W)	8
Lumen Maintenance Calculated Hours (h)	3027/2219	16	
	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) & Dimensions WxH (mm)		Weight	Dimensions
	1010	0,40	10 x 10
	1313	0,40	13,5 x 13,5
	1616	0,45	16,5 x 16,5
	1717	0,45	16,5 x 16,5
	3027	0,60	30 x 28
	2219	0,60	22 x 19

Options

Color/CCT					
1010	☐ Red	1616	☐ Red	1616	☐ Green
1313	☐ Green	1717	☐ Green	1717	☐ Blue
2219	☐ Blue	3027	☐ Blue	3027	☐ Lemon Yellow
		*10W	☐ Amber	*15W	☐ Pink
			☐ Orange		
			☐ Pink		

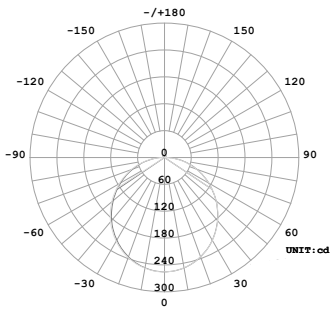
Lighting Specifications

Neonflex Top Bend

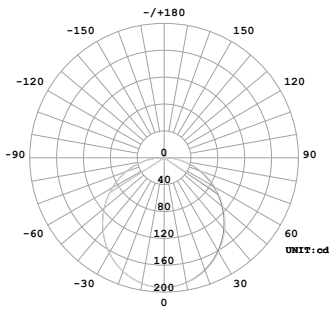
	Full Color (mm)
1010 Red	
1010 Green	
1010 Blue	
1313 Red	
1313 Green	
1313 Blue	89
1616 Red 10W	
1616 Green 10W	
1616 Blue 10W	
1616 Amber 10W	108
1616 Orange 10W	291
1616 Pink 10W	175
1616 Green 15W	
1616 Blue 15W	
1616 Lemon Yellow 15W	430
1616 Pink 15W	280
1717 Red 10W	
1717 Green 10W	
1717 Blue 10W	
1717 Amber 10W	120
1717 Orange 10W	75

	Full Color (mm)
1717 Pink 10W	250
1717 Green 15W	
1717 Blue 15W	
1717 Lemon Yellow 15W	
1717 Pink 15W	300
3027 Red 10W	
3027 Green 10W	
3027 Blue 10W	
3027 Amber 10W	
3027 Orange 10W	
3027 Pink 10W	
3027 Green 15W	
3027 Blue 15W	
3027 Lemon Yellow 15W	
3027 Pink 15W	
2219 Red 10W	
2219 Green 10W	
2219 Blue 10W	
2219 Red 15W	
2219 Green 15W	
2219 Blue 15W	

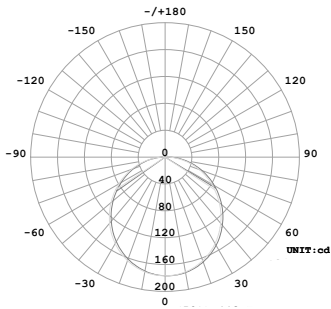
Photometric Distribution



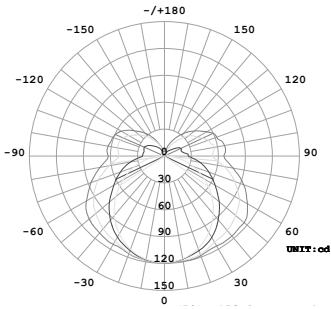
1010 - 112.9° Average Beam Angle



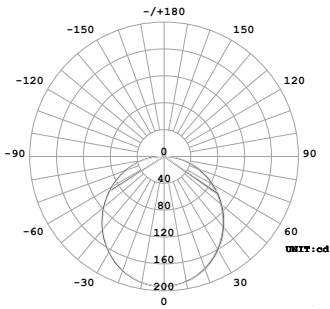
1313 - 113.5° Average Beam Angle



1616 - 113.5° Average Beam Angle

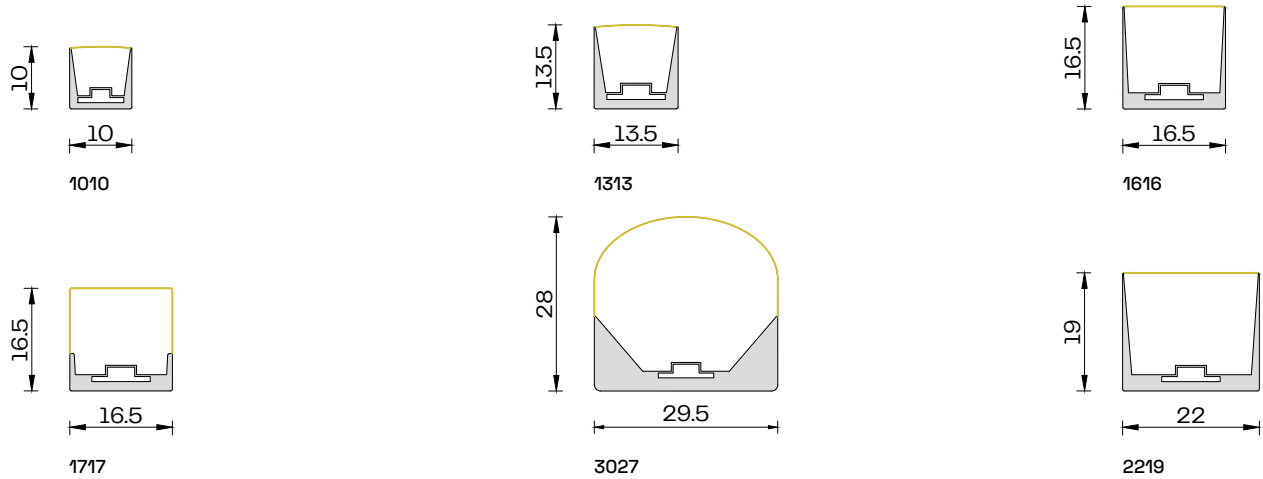


1717 - 158.9° Average Beam Angle

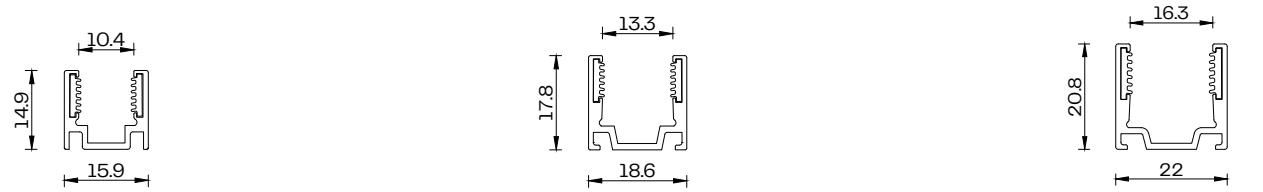


2219 - 112.7° Average Beam Angle

Dimensions



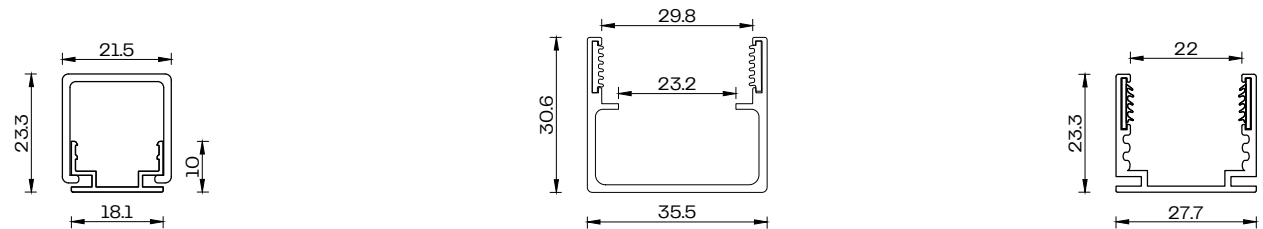
Accessory Options



- 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



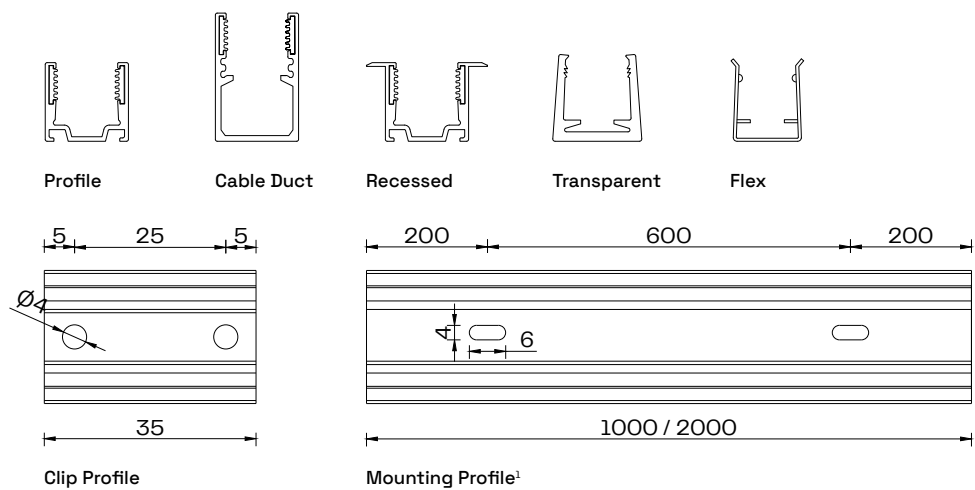
- 1717¹
- Straight Profile
 - Clip Profile
 - Straight Profile Transparent

- 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

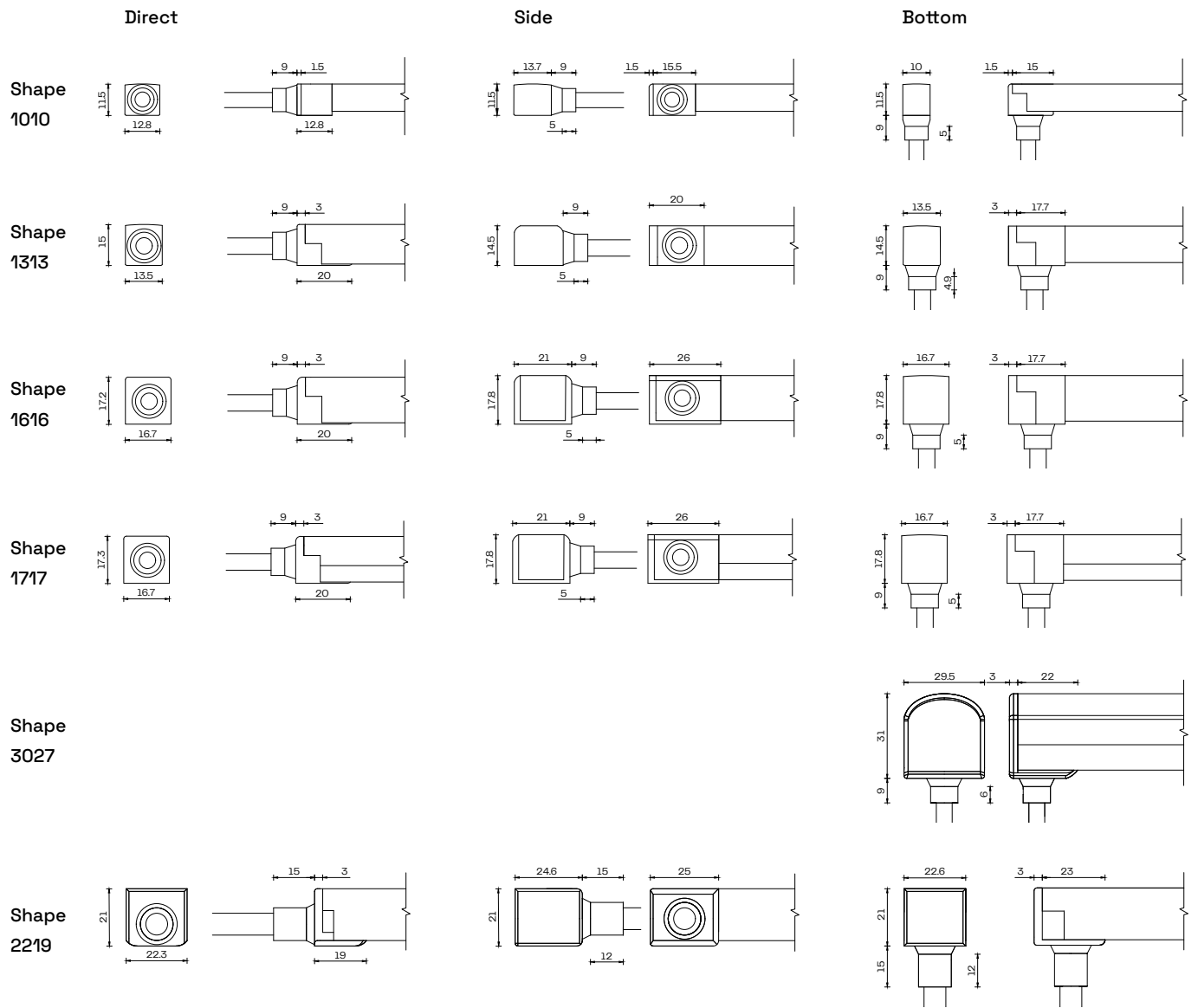


¹1000mm profile is standard. 2000mm is available to order.

Physical

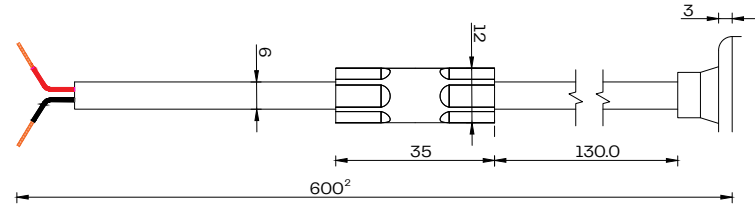
Profile Material	Aluminum Alloy 6063
Transparent Profile Material	Polycarbonate
Aluminum Profile finish	Blank Anodized

Cable Entry Options



Connection Options

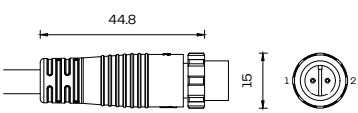
Single Color Bare Wires with waterstop¹



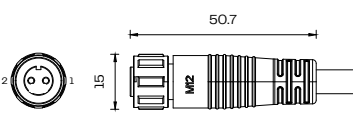
Wire Color

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
3171426	Neonflex Top Bend 1010 – Red
3171427	Neonflex Top Bend 1010 – Green
3171428	Neonflex Top Bend 1010 – Blue
3171429	Neonflex Top Bend 1313 – Red
3171430	Neonflex Top Bend 1313 – Green
3171431	Neonflex Top Bend 1313 – Blue
3171432	Neonflex Top Bend 1616 – Red 10W
3171433	Neonflex Top Bend 1616 – Green 10W
3171434	Neonflex Top Bend 1616 – Blue 10W
3171450	Neonflex Top Bend 1616 – Amber 10W
3171448	Neonflex Top Bend 1616 – Orange 10W
3171449	Neonflex Top Bend 1616 – Pink 10W
3171457	Neonflex Top Bend 1616 Green 15W
3171458	Neonflex Top Bend 1616 Blue 15W
3171459	Neonflex Top Bend 1616 Lemon Yellow 15W
3171460	Neonflex Top Bend 1616 Pink 15W
3171435	Neonflex Top Bend 1717 – Red 10W
3171436	Neonflex Top Bend 1717 – Green 10W
3171437	Neonflex Top Bend 1717 – Blue 10W
3171453	Neonflex Top Bend 1717 – Amber 10W
3171451	Neonflex Top Bend 1717 – Orange 10W

3171452	Neonflex Top Bend 1717 – Pink 10W
3171461	Neonflex Top Bend 1717 Green 15W
3171462	Neonflex Top Bend 1717 Blue 15W
3171463	Neonflex Top Bend 1717 Lemon Yellow 15W
3171464	Neonflex Top Bend 1717 Pink 15W
3171438	Neonflex Top Bend 3027 – Red 10W
3171439	Neonflex Top Bend 3027 – Green 10W
3171440	Neonflex Top Bend 3027 – Blue 10W
3171456	Neonflex Top Bend 3027 – Amber 10W
3171454	Neonflex Top Bend 3027 – Orange 10W
3171455	Neonflex Top Bend 3027 – Pink 10W
3171465	Neonflex Top Bend 3027 Green 15W
3171466	Neonflex Top Bend 3027 Blue 15W
3171467	Neonflex Top Bend 3027 Lemon Yellow 15W
3171468	Neonflex Top Bend 3027 Pink 15W
3171441	Neonflex Top Bend 2219 – Red 10W
3171442	Neonflex Top Bend 2219 – Green 10W
3171443	Neonflex Top Bend 2219 – Blue 10W
3171470	Neonflex Top Bend 2219 Red 15W
3171469	Neonflex Top Bend 2219 Green 15W
3171471	Neonflex Top Bend 2219 Blue 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

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