

Neonflex Side Bend

Single Color 24V

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Neonflex Side Bend Single Color 24V is a flexible linear lighting solution for clean, continuous lines of white light in architectural applications. With side-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.

➤ Side-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.

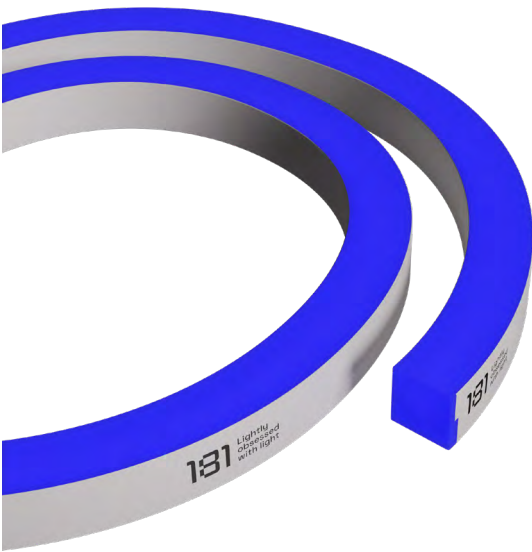
CE

RoHS

UL

IP68

IK08



Specifications

General			
Power Consumption (W/m)	1010/0816/1616/2222		10
	1121/1128		12
	1121/1128/2222		15
Input Voltage (V DC)	24		
LEDs (/m)	1010/0816	(10W)	120
	1616/2222	(10W)	144
	1121/1128	(12W)	60
	1121/1128/2222	(15W)	84
LED Pitch (mm)	1010/0816	(10W)	8,33
	1616/2222	(10W)	6,94
	1121/1128	(12W)	16,67
	1121/1128/2222	(15W)	11,90
Color Range	Single Color		
Beam Angle (°)	1010/0816/1121/1616/2222		120
	1128		270
LEDs (/Segment)	1121/1128	(12W)	6
	1121/1128/2222	(15W)	7
	1010/0816/1616/2222	(10W)	12
Control	PWM		

Installation Conditions & Lighting Data		
Segment Length (mm)	1616 (10W)	83,3
	1121/1128/2222 (15W)	
	1010/0816 (10W)	100
	1121/1128 (12W)	
Bending Radius (mm)	0816 (10W)	80
	1121/1128 (12W)	
	1128 (15W)	
	1010/1616 (10W)	150
	2222 (10W & 15W)	400
Maximum Run Length (m)	1010 (10W)	5
	1112/1128/2222 (15W)	8
	0816/1616/2222 (10W)	10
	1121/1128 (12W)	
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)	0816/1010	0,40
	1121/1616	0,45
	1128	0,55
	2222	0,60
Dimensions WxH (mm)	0816	8 x 16
	1010	10X10
	1121	11,5 x 21
	1616	16,5 x 16,5
	1128	11,5 x 28
	2222	22,4 x 22,6

Options

Color/CCT			
1010	☐ Red	0816	☐ Pink
1616	☐ Green	1121	☐ Green
222	☐ Blue	1128	☐ Blue
			☐ Lemon Yellow
			☐ Red *0816 only
			☐ Amber *0816 Only
			☐ Orange *0816 Only

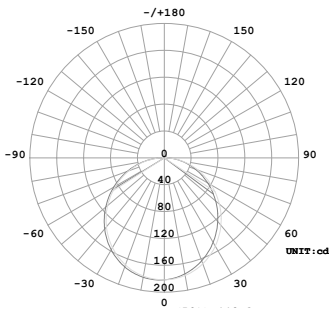
Lighting Specifications

Neonflex Side Bend

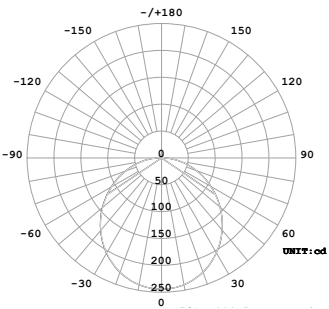
	Full Color (mm)
1010 Red	
1010 Green	
1010 Blue	
0816 Red	
0816 Green	
0816 Blue	
0816 Lemon Yellow	
0816 Pink	
0816 Amber	
0816 Orange	
1121 Green 12W	
1121 Blue 12W	
1121 Lemon Yellow 12W	413
1121 Pink 12W	79
1121 Green 15W	
1121 Blue 15W	
1121 Lemon Yellow 15W	480
1121 Pink 15W	300

	Full Color (mm)
1616 Red 10W	
1616 Green 10W	
1616 Blue 10W	
1128 Green 12W	
1128 Blue 12W	
1128 Lemon Yellow 12W	494
1128 Pink 12W	112
1128 Green 15W	
1128 Blue 15W	
1128 Lemon Yellow 15W	440
1128 Pink 15W	140
2222 Red 10W	
2222 Green 10W	
2222 Blue 10W	
2222 Red 15W	
2222 Green 15W	
2222 Blue 15W	

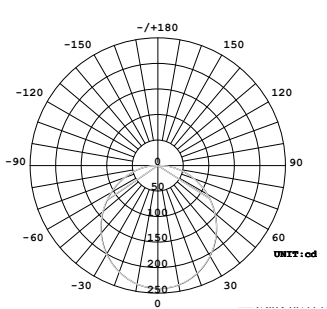
Photometric Distribution



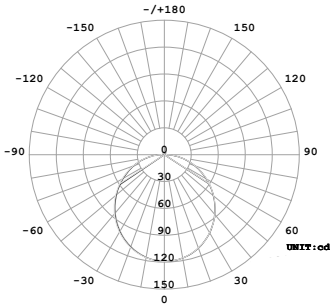
1010 - 112.8° Average Beam Angle



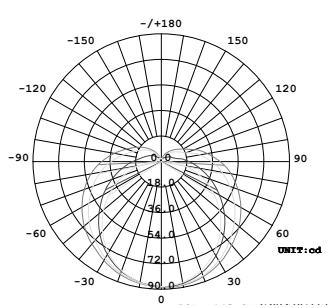
1121 - 111.5° Average Beam Angle



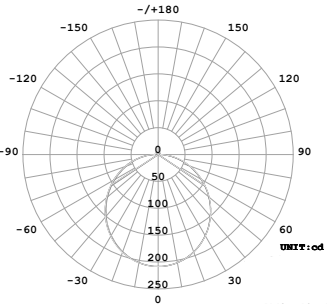
1616 - 113.2° Average Beam Angle



0816 - 113.1° Average Beam Angle

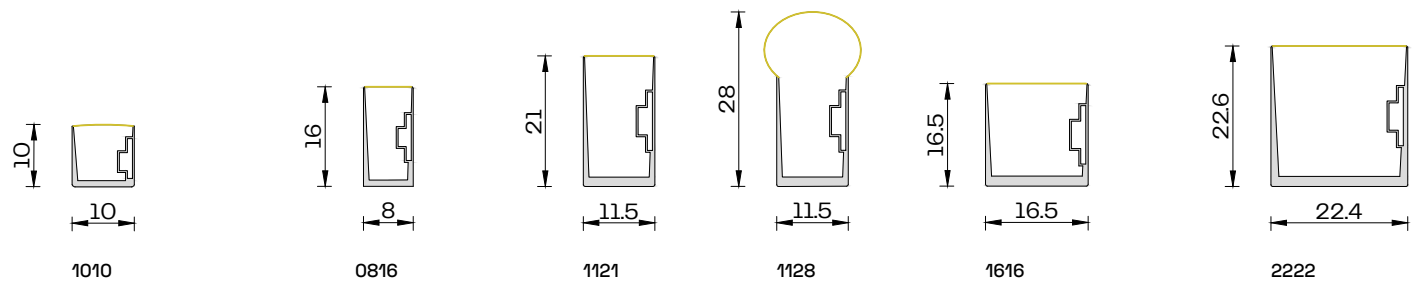


1128 - 143.2° Average Beam Angle

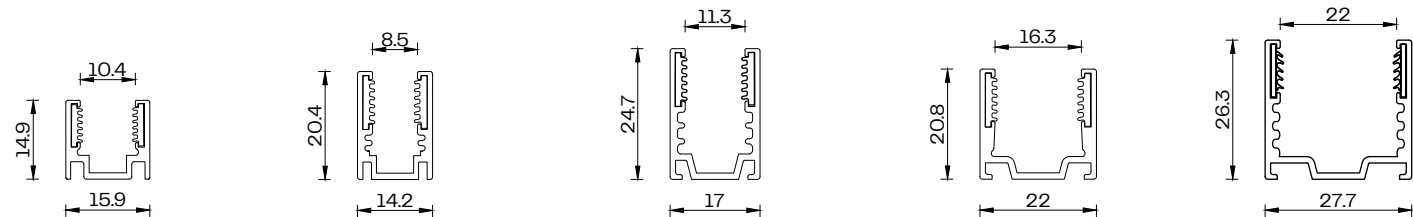


2222 - 112.9° Average Beam Angle

Dimensions



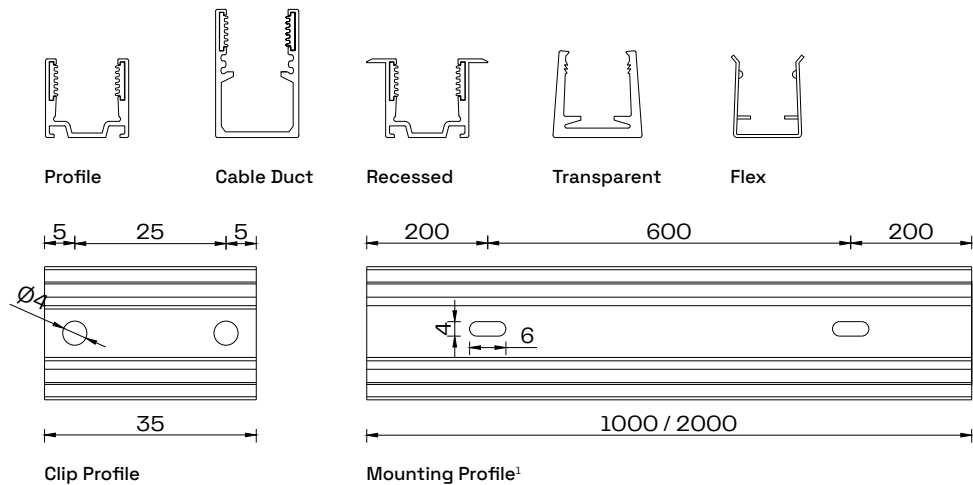
Accessory Options



1010 ¹	0816 ¹	1121 / 1128 ¹	1616 ¹	2222 ¹
Straight Profile	Straight Profile	Straight Profile	Straight Profile	Straight Profile
Clip Profile	Clip Profile	Clip Profile	Clip Profile	Clip Profile
Curved Profile		Straight Profile Cable Duct	Straight Profile Cable Duct	Straight Profile Cable Duct
Straight Profile Transparent		Straight Profile Transparent	Straight Profile Recessed	Curved Profile
		Curved Profile	Straight Profile Transparent	
			Curved Profile	
			Curved Profile Cable Duct	
			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.

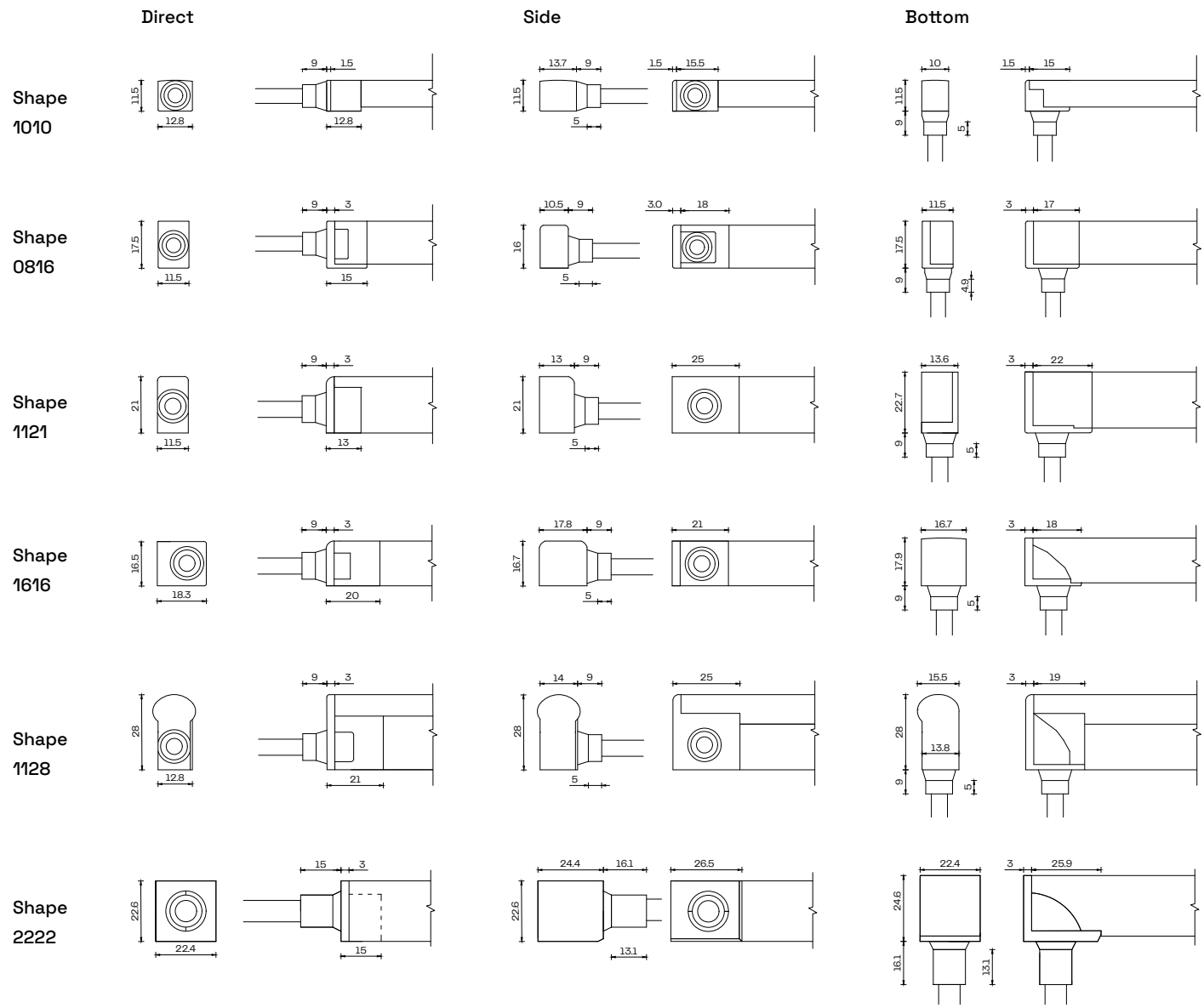
Profile Specifications



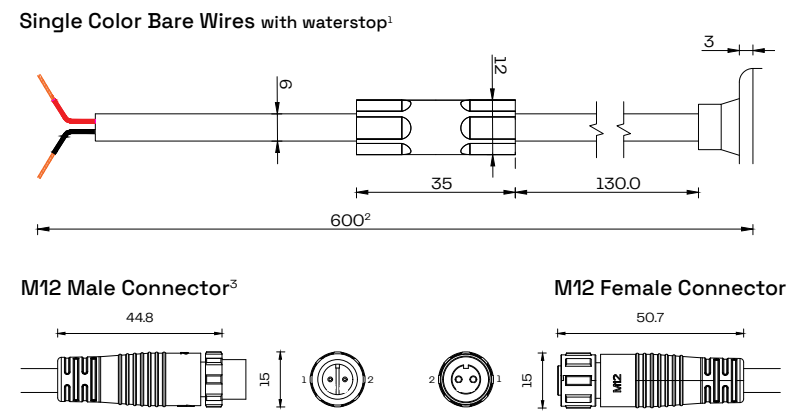
Physical	
Profile Material	Aluminum Alloy 6063
Transparent Profile Material	Polycarbonate
Aluminum Profile finish	Blank Anodized

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

Cable Entry Options



Connection Options



Wire Color		
Red	24 V+	
Black	GND	

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
3171476	Neonflex Side Bend 1010 Red
3171477	Neonflex Side Bend 1010 Green
3171478	Neonflex Side Bend 1010 Blue
3171479	Neonflex Side Bend 0816 Red
3171480	Neonflex Side Bend 0816 Green
3171481	Neonflex Side Bend 0816 Blue
3171494	Neonflex Side Bend 0816 Lemon Yellow
3171495	Neonflex Side Bend 0816 Pink
3171493	Neonflex Side Bend 0816 Amber
3171492	Neonflex Side Bend 0816 Orange
3171503	Neonflex Side Bend 1121 12W Green
3171504	Neonflex Side Bend 1121 12W Blue
3171505	Neonflex Side Bend 1121 12W Lemon Yellow
3171506	Neonflex Side Bend 1121 12W Pink
3171507	Neonflex Side Bend 1121 15W Green
3171508	Neonflex Side Bend 1121 15W Blue
3171509	Neonflex Side Bend 1121 15W Lemon Yellow
3171510	Neonflex Side Bend 1121 15W Pink

3171482	Neonflex Side Bend 1616 10W Red
3171483	Neonflex Side Bend 1616 10W Green
3171484	Neonflex Side Bend 1616 10W Blue
3171499	Neonflex Side Bend 1128 12W Green
3171500	Neonflex Side Bend 1128 12W Blue
3171501	Neonflex Side Bend 1128 12W Lemon Yellow
3171502	Neonflex Side Bend 1128 12W Pink
3171511	Neonflex Side Bend 1128 15W Green
3171512	Neonflex Side Bend 1128 15W Blue
3171513	Neonflex Side Bend 1128 15W Lemon Yellow
3171514	Neonflex Side Bend 1128 15W Pink
3171485	Neonflex Side Bend 2222 10W Red
3171486	Neonflex Side Bend 2222 10W Green
3171487	Neonflex Side Bend 2222 10W Blue
3171515	Neonflex Side Bend 2222 15W Red
3171516	Neonflex Side Bend 2222 15W Green
3171517	Neonflex Side Bend 2222 15W Blue

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
3167901	Neonflex 0816 Straight Profile 1000
3167928	Neonflex 0816 Straight Profile 2000
3167936	Neonflex 0816 Clip Profile
3167905	Neonflex 1121/1128 Straight Profile 1000
3167929	Neonflex 1121/1128 Straight Profile 2000
3167939	Neonflex 1121/1128 Clip Profile
3167964	Neonflex 1121/1128 Straight Profile Cable Duct 1000
3167965	Neonflex 1121/1128 Straight Profile Cable Duct 2000
3167966	Neonflex 1121/1128 Straight Profile Transparent
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
3167970	Neonflex 2222 Straight Profile 1000
3167971	Neonflex 2222 Straight Profile 2000
3167972	Neonflex 2222 Clip Profile
3167973	Neonflex 2222 Straight Profile Cable Duct 1000
3167974	Neonflex 2222 Straight Profile Cable Duct 2000

Curved Profiles

Reference	Description
3167915	Neonflex Side Bend 1010 Curved Profile 1000
3167944	Neonflex Side Bend 1010 Curved Profile 2000
3167914	Neonflex Side Bend 0816 Curved Profile 1000
3167945	Neonflex Side Bend 0816 Curved Profile 2000
3167919	Neonflex Side Bend 1121/1128 Curved Profile 1000
3167946	Neonflex Side Bend 1121/1128 Curved Profile 2000

3167917	Neonflex Side Bend 1616 Curved Profile 1000
3167931	Neonflex Side Bend 1616 Curved Profile 2000
3167955	Neonflex Side Bend 1616 Curved Profile Cable Duct 1000
3167956	Neonflex Side Bend 1616 Curved Profile Cable Duct 2000
3167957	Neonflex Side Bend 2222 Curved Profile 1000
3167980	Neonflex Side Bend 2222 Curved Profile 2000