SF15 Mono Color Silicone LED Linear Flex
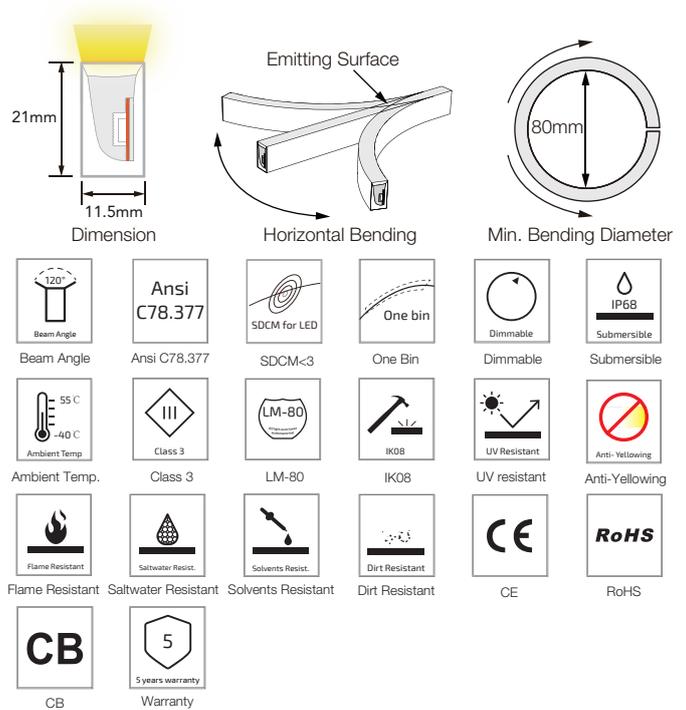
SF15-24V-5050-72-U2-2200K~6500K

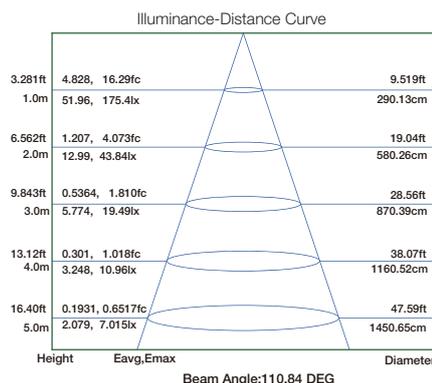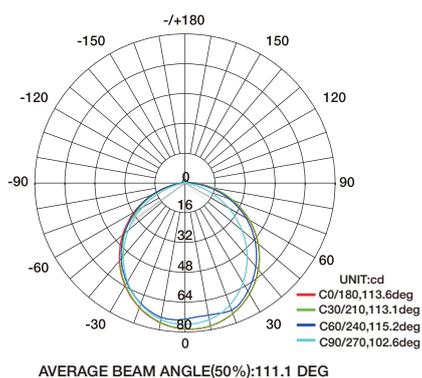### Specification

Dimension — 21mm / 11.5mm

Emitting Surface — Horizontal Bending

Min. Bending Diameter — 80mm

Beam Angle (120°)	Ansi C78.377	SDCM for LED / SDCM<3	One bin / One Bin	Dimmable	IP68 Submersible
Ambient Temp. (55°C / -40°C)	Class 3	LM-80	IK08	UV Resistant	Anti-Yellowing
Flame Resistant	Saltwater Resistant	Solvents Resistant	Dirt Resistant	CE	RoHS
CB	5 years warranty / Warranty				

Technical Parameters

Electrical	
Input Voltage	24V DC
Power Consumption	13W/m
Physical	
LED Count	72 LEDs/m
Cutting Unit	2 LEDs
Cutting Unit Length	27.7mm
Minimum Bend Diameter	80mm
Output	
LED Light	Epistar SMD LED 5050
CRI	>80, >90
Max Run Length*	
Single Feed	8 M
Double Feed	16 M
Beam Angle	120°
Lumen Maintenance	70,000 Hours L70 @ 25°C 50,000 Hours L70 @ 50°C
Temperature Ranges	
Installation	0°C to 50°C
Operating	-40°C to 55°C
Dependability	
Warranty	5 Years Warranty
IP Rating	IP68 Wet location submersible <2m

Optional Color	Lumen Output
2200K(2238±102K)	460lm/m
2500K(2460±120K)	470m/m
2700K(2725±145K)	480lm/m
3000K(3045±175K)	490lm/m
3500K(3465±245K)	500lm/m
4000K(3985±275K)	515lm/m
4500K(4503±243K)	520lm/m
5000K(5209±283K)	530lm/m
5700K(5667±355K)	535lm/m
6500K(6532±510K)	540lm/m
Blue (455-465nm)	50lm/m
Lemon Yellow (570-580nm)	390lm/m
Pink (610-620nm)	200lm/m

Illuminance Distribution

UNIT:cd
C0/180,113.6deg
C30/210,113.1deg
C60/240,115.2deg
C90/270,102.6deg

AVERAGE BEAM ANGLE(50%):111.1 DEG

Illuminance-Distance Curve

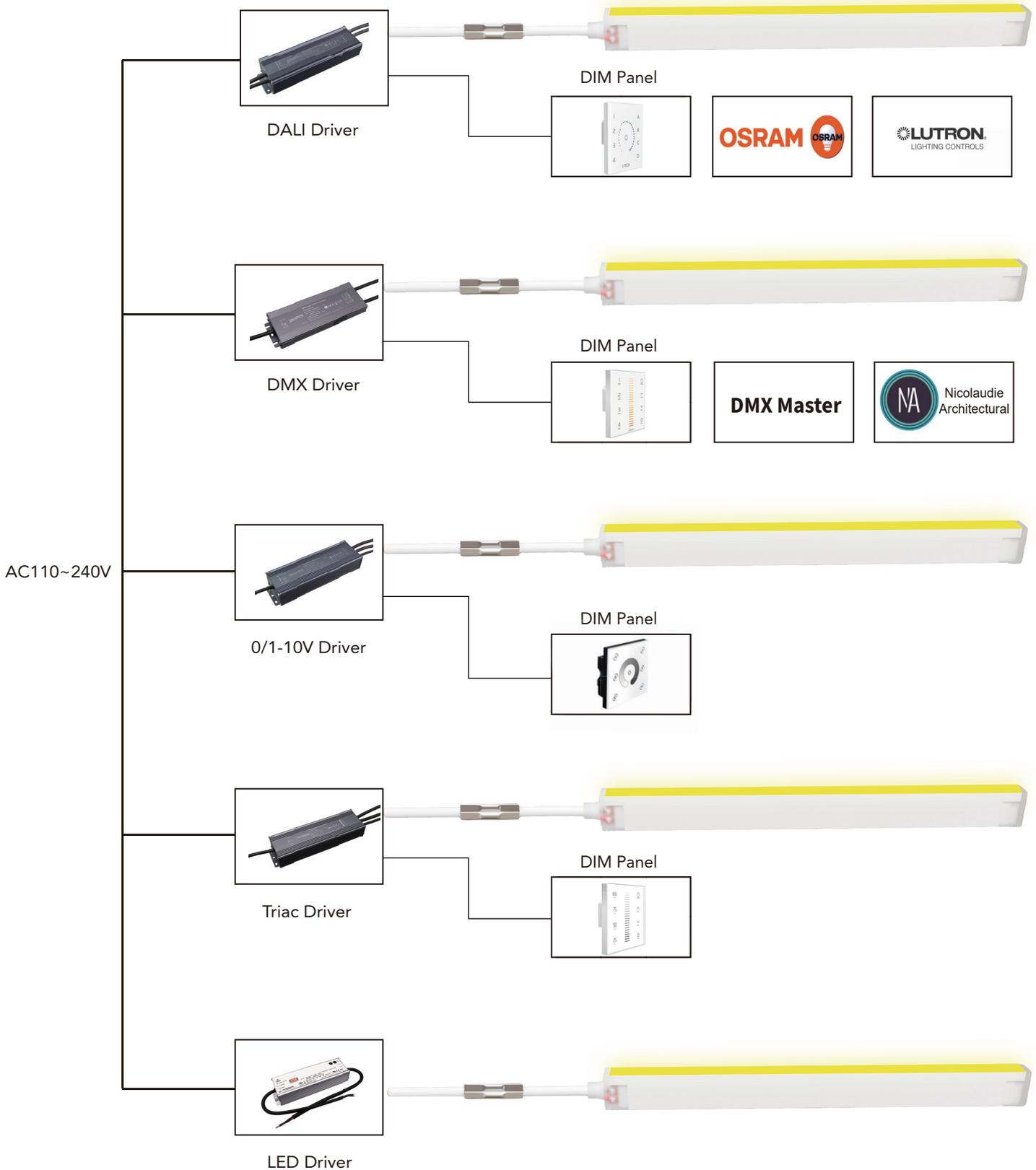| Height	Eavg,Emax		
3.281ft 1.0m	4.828, 16.29fc 51.96, 175.4lx	9.519ft 290.13cm	
6.562ft 2.0m	1.207, 4.073fc 12.99, 43.84lx	19.04ft 580.26cm	
9.843ft 3.0m	0.5364, 1.810fc 5.774, 19.49lx	28.56ft 870.39cm	
13.12ft 4.0m	0.301, 1.018fc 3.248, 10.96lx	38.07ft 1160.52cm	
16.40ft 5.0m	0.1931, 0.6517fc 2.079, 7.015lx	47.59ft 1450.65cm	

Diameter

Beam Angle:110.84 DEG

White Color Charts

(X,Y) Chromaticit y Diagram

SF15 Mono Color Silicone LED Linear Flex

Connection

AC110~240V

DALI Driver

DIM Panel

OSRAM OSRAM

LUTRON LIGHTING CONTROLS

DMX Driver

DIM Panel

DMX Master

NA Nicolaudie Architectural

0/1-10V Driver

DIM Panel

Triac Driver

DIM Panel
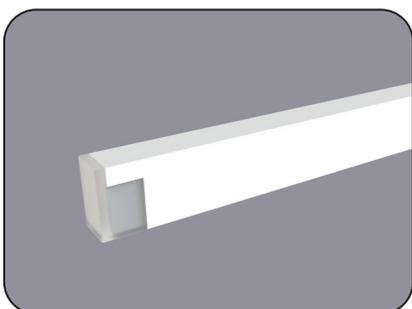
LED Driver

SF15 Configuration and Accessories
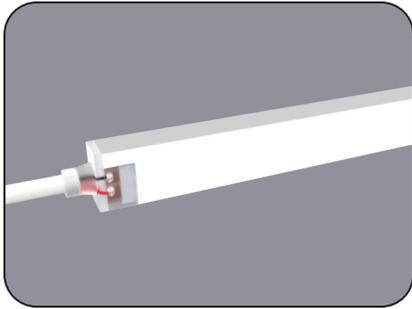
Direct Entry Connector
MJ-SF15-A-D01/02/03
MJ-SF15-A-D01SM
MJ-SF15-A-D02SF
MJ-SF15-A-D03SFM

21.00 11.50 3.00 9.00 13.00
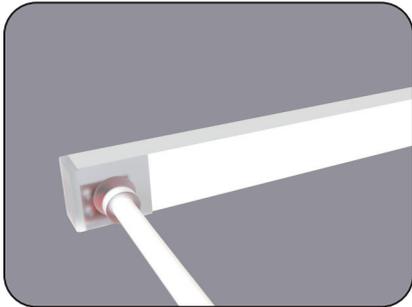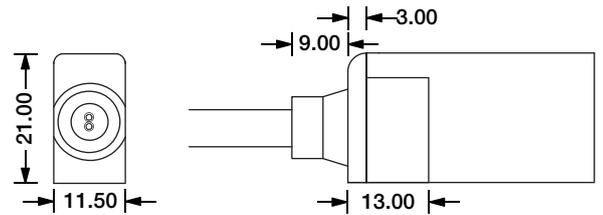
Side Entry Connector
MJ-SF15-A-S01/02/03
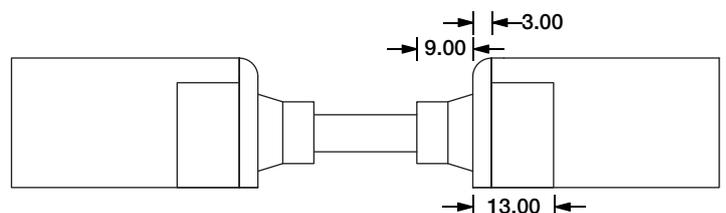MJ-SF15-A-S01SM
MJ-SF15-A-S02SF
MJ-SF15-A-S03SFM

13.00 21.00 9.00 25.00 21.00
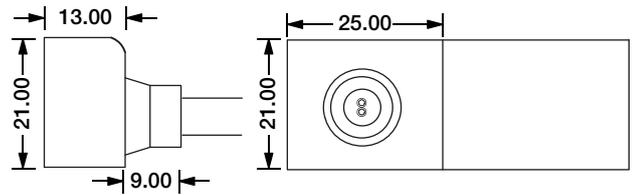
Bottom Entry Connector
MJ-SF15-A-B01/02/03
MJ-SF15-A-B01SM
MJ-SF15-A-B02SF
MJ-SF15-A-B03SFM

12.00 23.12 8.88 22.61 3.00 23.12 8.88

End Cap

21.00 11.50 3.00 13.00
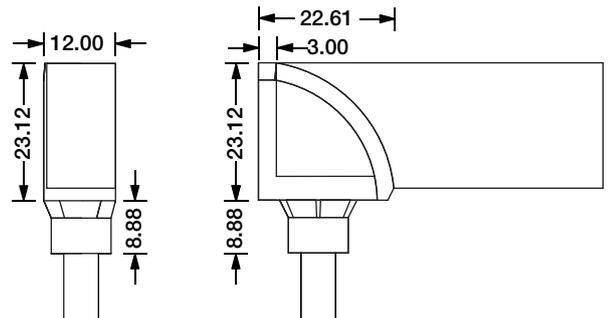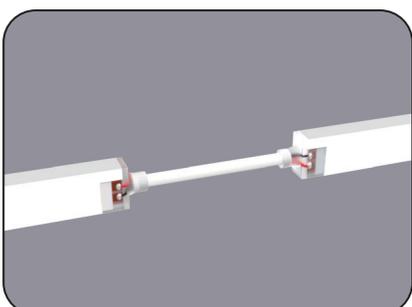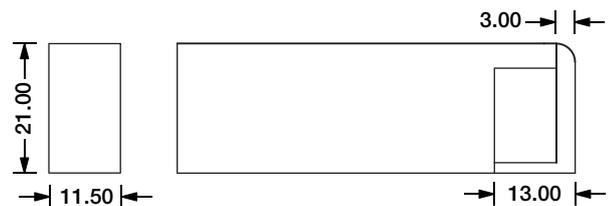
Jumper
MJ-SF15-A-D-JC

3.00 9.00 13.00
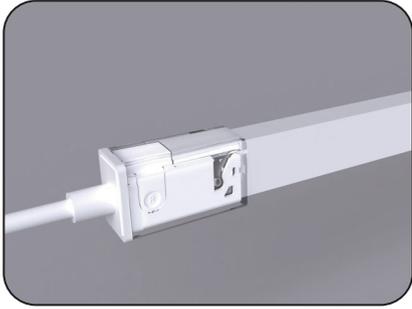
DIY Snap Connector
DIY-SN-FR-15-D-01/02-A
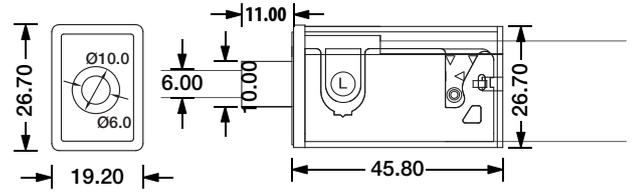
DIY Snap End Cap
DIY-SN-END-15-D-01/02
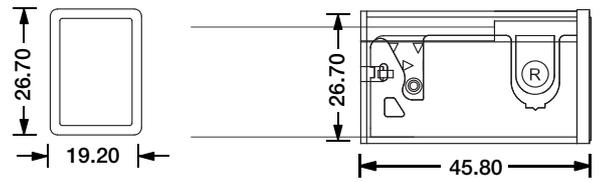
DIY Snap Connector Jumper
DIY-SN-FR-15-A-D-JC

DIY Screw Connector
DIY-SC-FR-15-D-01/02-A

DIY Screw Connector
DIY-SC-FR-15-B-01/02-A

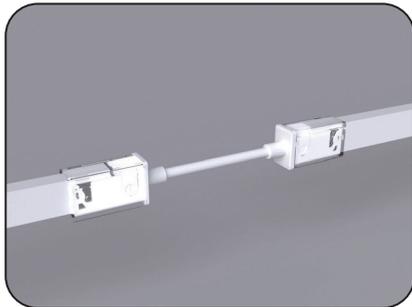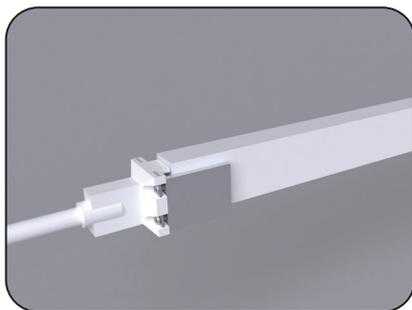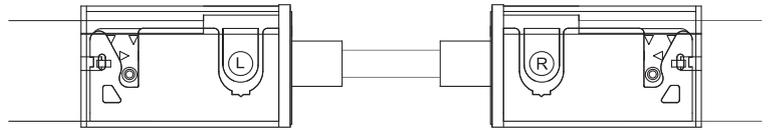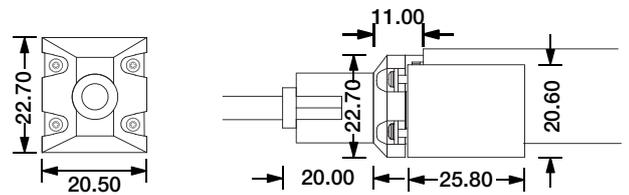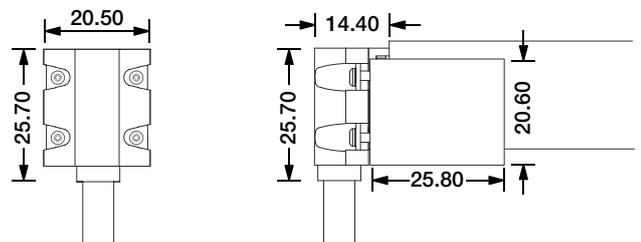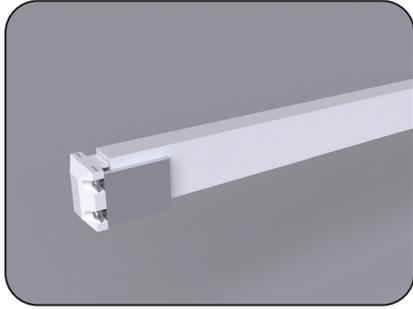# SF15 Configuration and Accessories

DIY Screw End Cap
DIY-SC-END-15

22.70
11.00
22.70
20.50
25.80
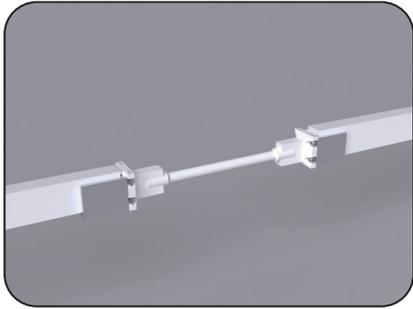
DIY Screw Extent Connector
DIY-SC-EXT-15-A
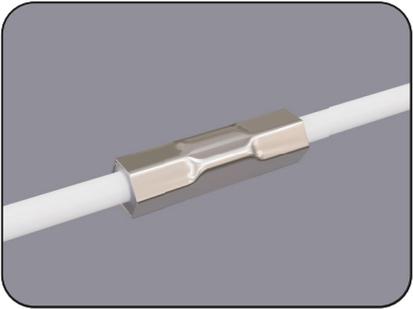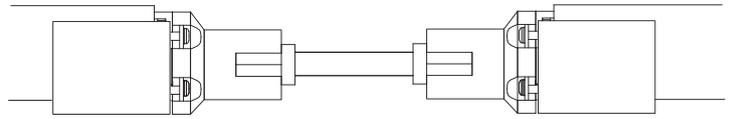
Waterproof Interrupter

12.00
35.00
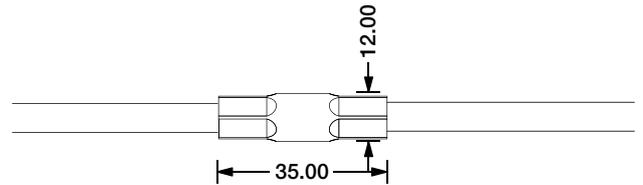
Male Connector
M12-M-2C-18AWG-D6-W-0327-S

13.40
14.92
54.68

Female Connector
M12-F-2C-18AWG-D6-W-0327-S

10.68
14.96
50.80
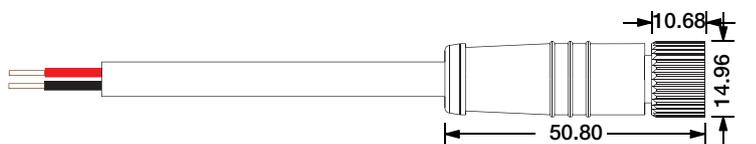
SF15 Configuration and Accessories
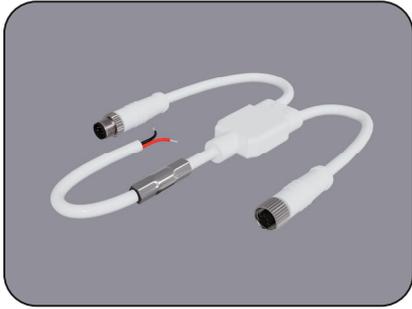
Middle Power Connector (1 to 2)
MID-CNR-A-1T2
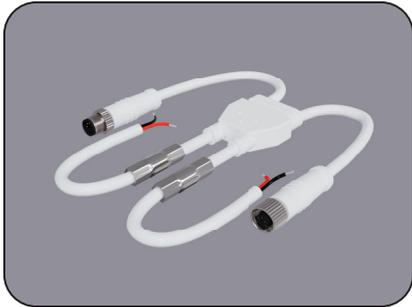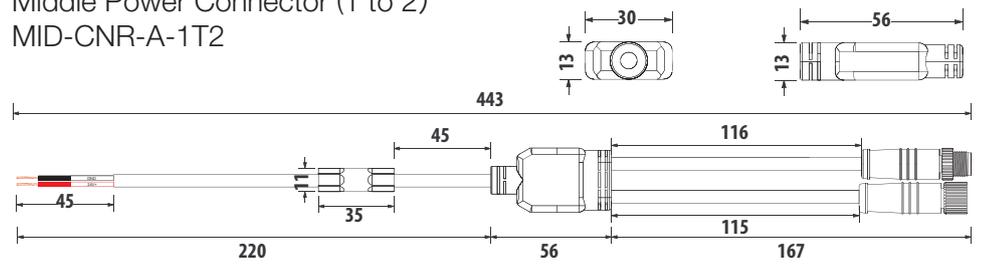
Middle Power Connector (2 to 2)
MID-CNR-A-2T2
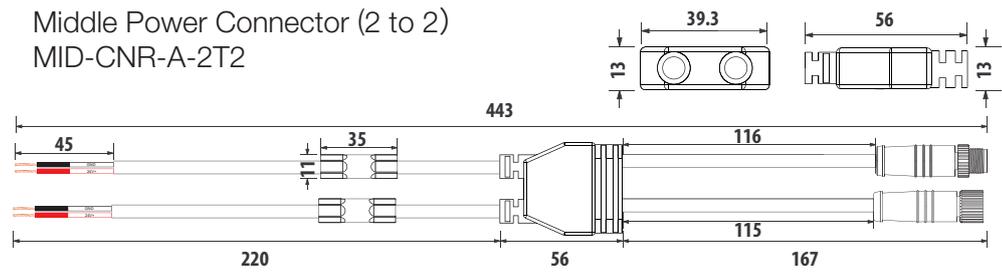
Male Connector End Cap
SYZ-EC-M12-M
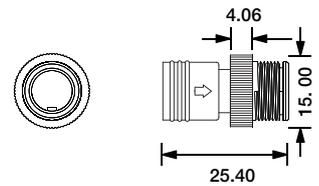
Female Connector End Cap
SYZ-EC-M12-F-2C
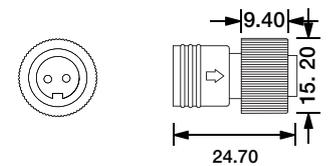
LED Linear Flex Mounting Channel

1. Aluminum Channel

ALC15S01

Dimension

11.09
24.40
15.10
Unit:mm

Installation Way

Surface Mounted | Recessed

5.00 | 25.00 | 5.00
Ø4.00 | Ø4.00
35.00

200.0 | 600.0 | 200.0
4.0 10.0 | 4.0 10.0
1000.0

200.0 | 550.0 | 500.0 | 550.0 | 200.0
4.0 10.0 | 4.0 10.0 | 4.0 10.0 | 4.0 10.0
2000.0

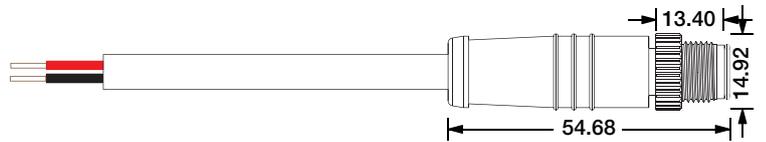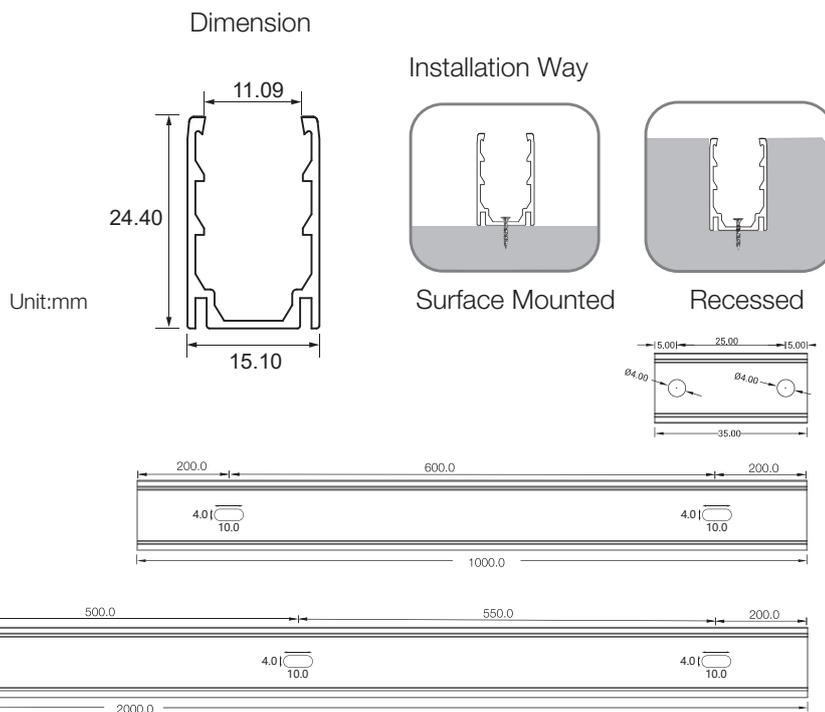| Model	W x H(mm)	Standard Length	Screw Holes	Holes Numbers	Suitable Product
ALC15S01-035	15.10*24.40	35mm	Φ4.0mm	2	F15, SF15
ALC15S01-100		1000mm	⬭4.0mm	2	F15, SF15
ALC15S01-200		2000mm	⬭4.0mm	4	F15, SF15

ALC15S04

Dimension

11.30
24.70
16.99
Unit:mm

Installation Way

Surface Mounted | Recessed

44.00 | 44.00
14.73 | 2.00
Splice Accessories: ALC15S04-SP

Splice Accessories

5.00 | 25.00 | 5.00
Ø4.00 | Ø4.00
35.00

200.0 | 600.0 | 200.0
4.0 10.0 | 4.0 10.0
1000.0

200.0 | 550.0 | 500.0 | 550.0 | 200.0
4.0 10.0 | 4.0 10.0 | 4.0 10.0 | 4.0 10.0
2000.0
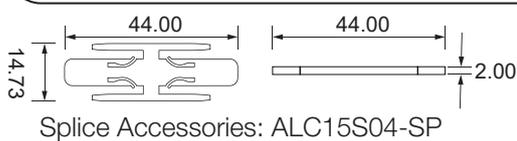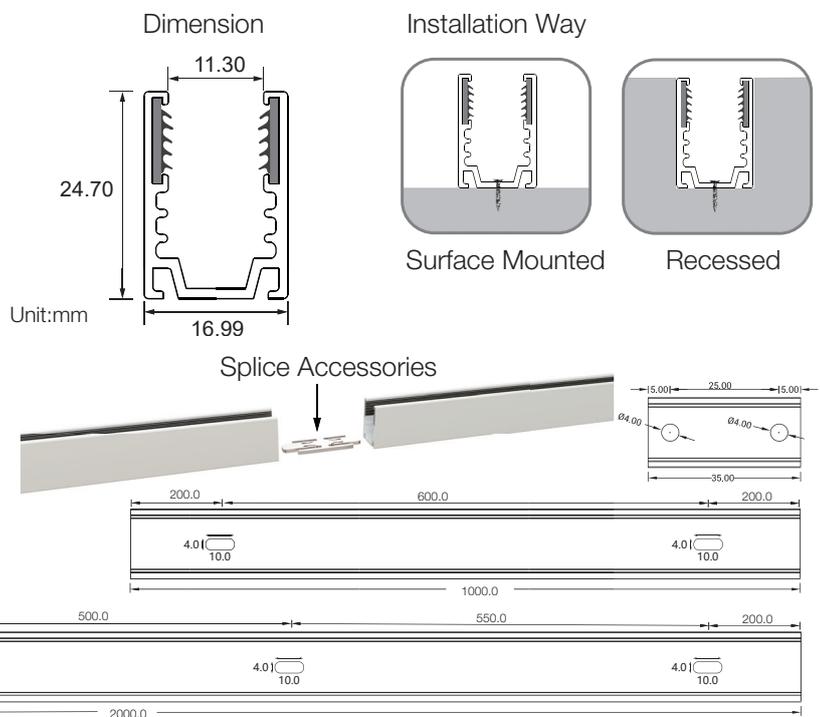
Model	W x H(mm)	Standard Length	Screw Holes	Holes Numbers	Suitable Product
ALC15S04-035	16.99*24.70	35mm	Φ4.0mm	2	F15, SF15
ALC15S04-100		1000mm	⬭4.0mm	2	F15, SF15
ALC15S04-200		2000mm	⬭4.0mm	4	F15, SF15

LED Linear Flex Mounting Channel
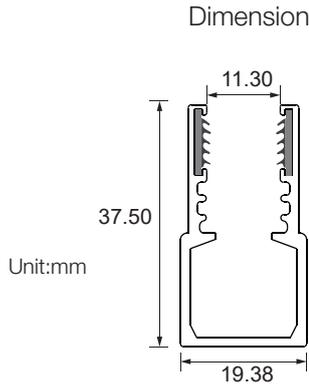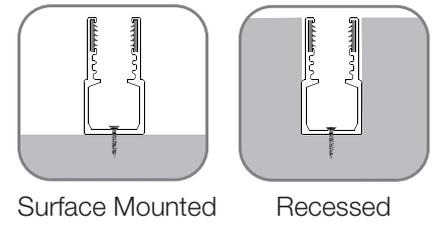
Dimension

11.30
37.50
19.38
Unit:mm

Installation Way

Surface Mounted

Recessed

ALC15H05

25.00
5.00 | 5.00
Ø4.00 | Ø4.00
35.00

200.0 | 600.0 | 200.0
4.0 | 10.0
4.0 | 10.0
1000.0

200.0 | 550.0 | 500.0 | 550.0 | 200.0
4.0 | 10.0
4.0 | 10.0
4.0 | 10.0
4.0 | 10.0
2000.0

Model	W x H(mm)	Standard Length	Screw Holes	Holes Numbers	Suitable Product
ALC15H05-035		35mm	Φ4.0mm	2	F15, SF15
ALC15H05-100	19.38*37.50	1000mm	4.0mm	2	F15, SF15
ALC15H05-200		2000mm	4.0mm	4	F15, SF15
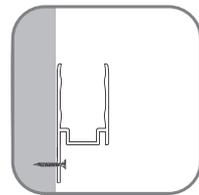
Dimension

11.30
31.50
13.60
Unit:mm

Installation Way

Surface Mounted

ALC15V01

25.00
5.00 | 5.00
Ø4.00 | Ø4.00
35.00

200.0 | 600.0 | 200.0
4.0 | 10.0
4.0 | 10.0
1000.0

200.0 | 550.0 | 500.0 | 550.0 | 200.0
4.0 | 10.0
4.0 | 10.0
4.0 | 10.0
4.0 | 10.0
2000.0
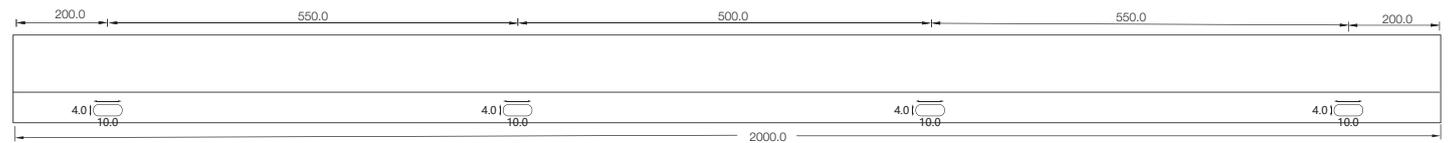
Model	W x H(mm)	Standard Length	Screw Holes	Holes Numbers	Suitable Product
ALC15V01-035		35mm	Φ4.0mm	2	F15, SF15
ALC15V01-100	13.60*31.50	1000mm	4.0mm	2	F15, SF15
ALC15V01-200		2000mm	4.0mm	4	F15, SF15

2. Flexible Aluminum Channel

ALC15S01FLX

Dimension

11.09

24.40

Unit:mm

15.10

Installation Way

Surface Mounted   Recessed

5.0   14.0

500

5.0   14.0

1000.0
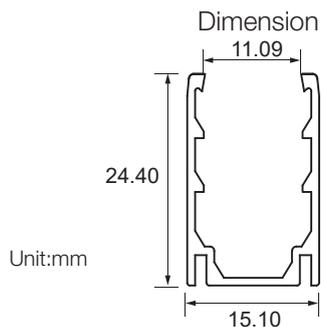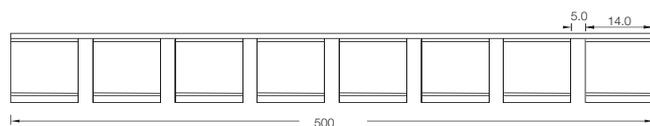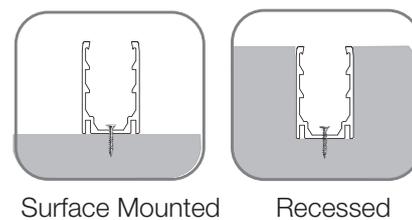
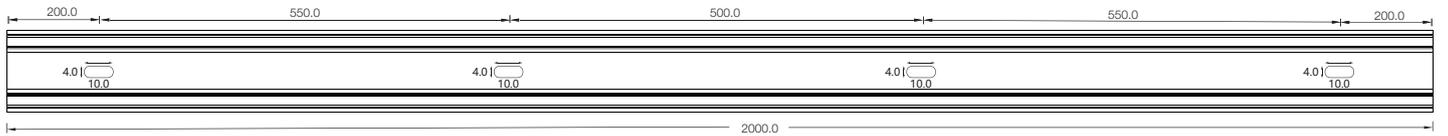| Model	W x H(mm)	Standard Length	Suitable Product
ALC15S01FLX05	15.10*24.40	500mm	F15, SF15
ALC15S01FLX10		1000mm	F15, SF15

ALC15S04FLX

Dimension

11.30

24.70

Unit:mm

16.99
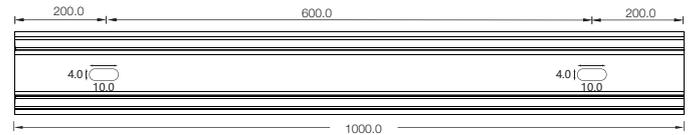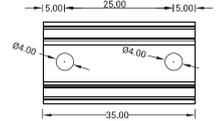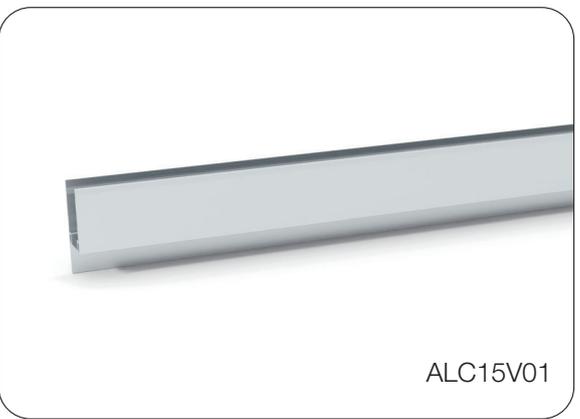
Installation Way

Surface Mounted   Recessed

5.0   14.0

500

5.0   14.0

1000.0
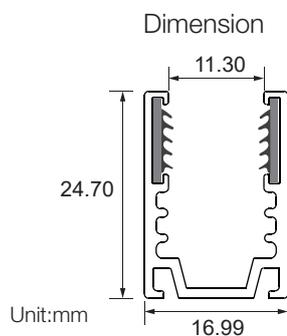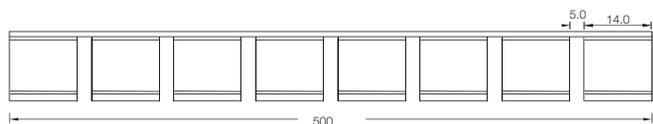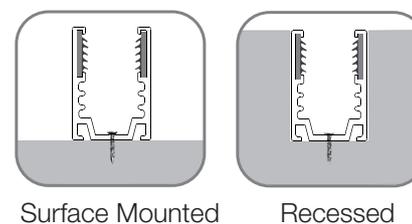
Model	W x H(mm)	Standard Length	Suitable Product
ALC15S04FLX05	16.99*24.70	500mm	F15, SF15
ALC15S04FLX10		1000mm	F15, SF15

3. Plastic Channel

PC15/21S01-T

Dimension

Unit:mm

12.50

26.30

19.60

Installation Way

Surface Mounted

Recessed

Model	W x H(mm)	Standard Length	Screw Holes	Holes Numbers	Suitable Product
PC15/21S01-T-035	19.60*26.30	35mm	Φ4.0mm	2	F15, SF15
PC15/21S01-T-100		1000mm	⬭4.0mm	2	F15, SF15

4. Stainless Steel Channel
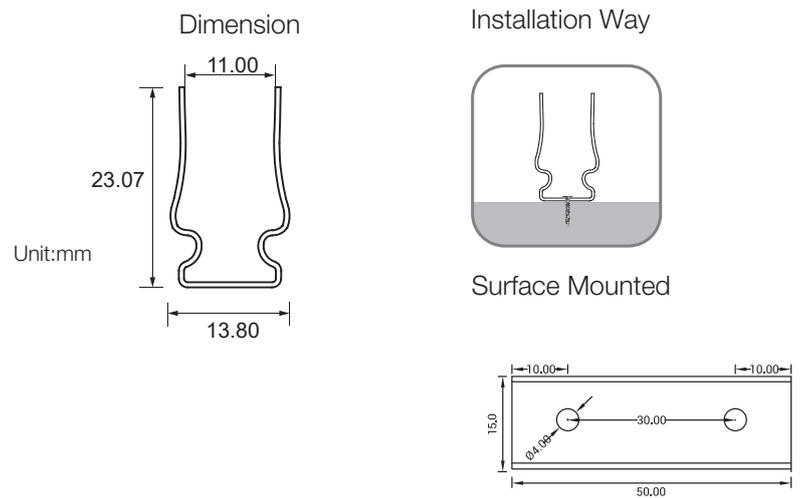
SSC15S01

Dimension

Unit:mm

11.00

23.07

13.80

Installation Way

Surface Mounted

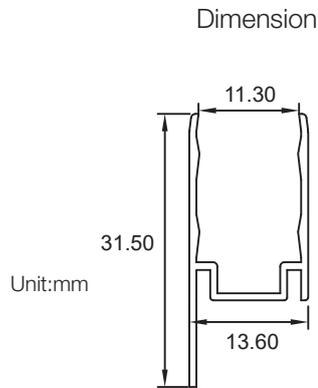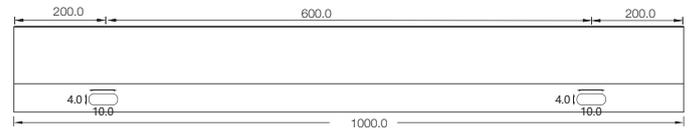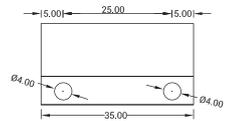| Model	W x H(mm)	Standard Length	Material	Screw Holes	Holes Numbers	Suitable Product
SSC15S01-05	13.80*23.07	50mm	Stainless Steel 316L	Φ4.0mm	2	F15, SF15
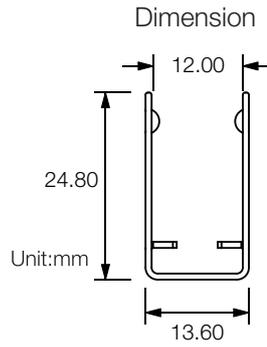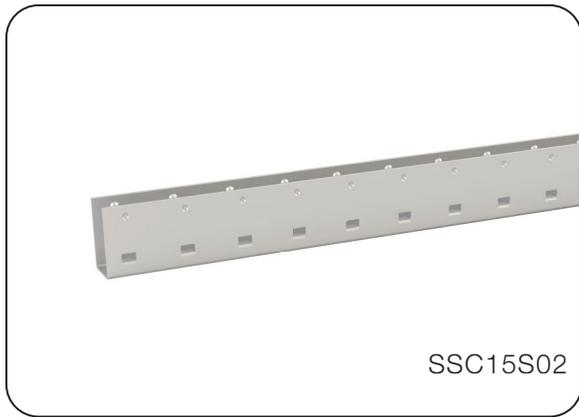
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LED Linear Flex Mounting Channel

SSC15S02

Dimension

12.00

24.80

Unit:mm

13.60

Installation Way

Surface Mounted   Recessed
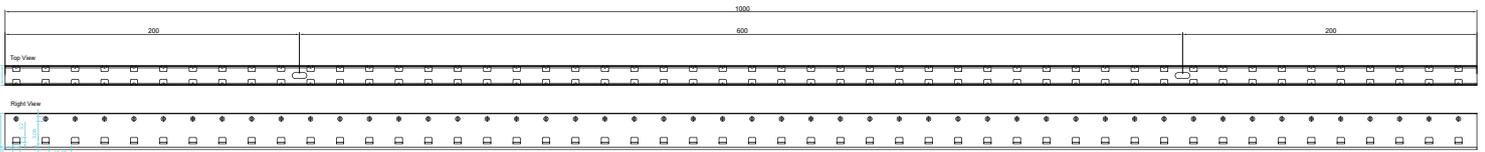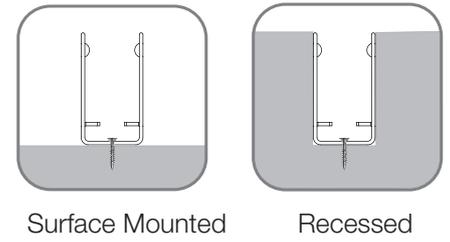
Model	W x H(mm)	Standard Length	Material	Screw Holes	Holes Numbers	Suitable Product
SSC15S02-100	13.60*24.80	1000mm	Stainless Steel 316L	4.0x10mm	2	F15, SF15

SSC15FLX

Dimension

11.00

26.00

14.80

Unit:mm

Installation Way

Surface Mounted
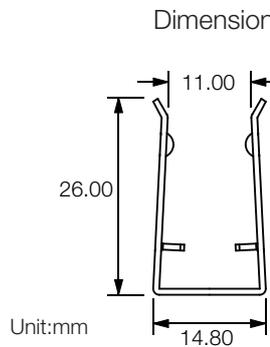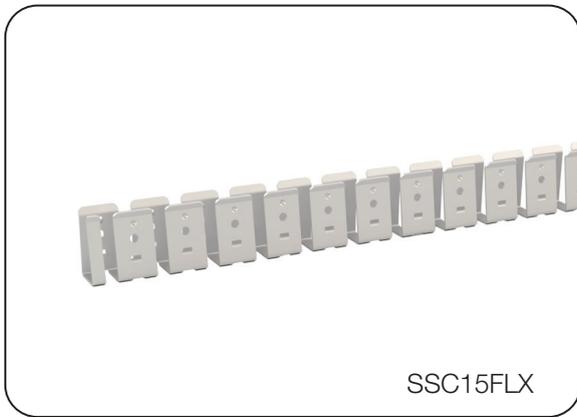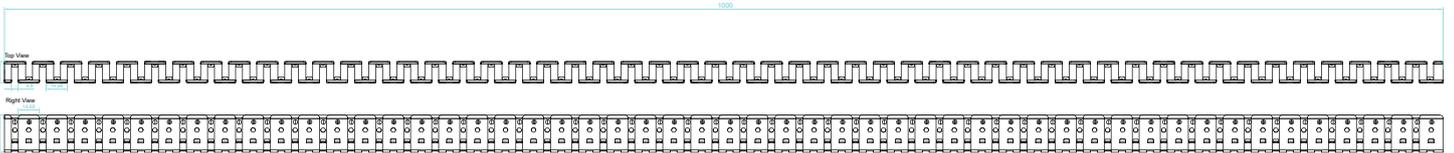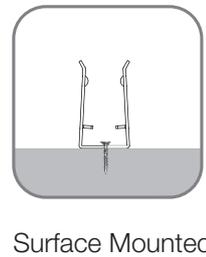
Model	W x H(mm)	Standard Length	Material	Suitable Product
SSC15FLX01	14.80*26.00	100mm	Stainless Steel 316L	F15, SF15
SSC15FLX03		300mm	Stainless Steel 316L	F15, SF15
SSC15FLX05		500mm	Stainless Steel 316L	F15, SF15
SSC15FLX10		1000mm	Stainless Steel 316L	F15, SF15

Product Packing Details

Standard : Carton (White Carton+Paper Reel Inside)

Product	Max.length/Reel	Carton Size	Net Weight	Gross Weight
F15/SF15	30m	35*35*19cm	12.0kg	13.6kg
F16/SF16	28m	35*35*19cm	12.9kg	14.5kg
SF17	28m	35*35*19cm	12.9kg	14.5kg
SF18	28m	35*35*19cm	12.9kg	14.5kg
F21/SF21	20m	35*35*19cm	10.4kg	12.0kg
SF10	35m	35*35*19cm	11.2kg	12.8kg
SF09	45m	35*35*19cm	7.7kg	9.3kg
SF08	60m	35*35*19cm	14.4kg	16.0kg
SF06	60m	35*35*19cm	14.4kg	16.0kg

Standard : Carton (White Carton+ Roll up packing Inside)

Product	Coiling Max. length	Quantity (Roll)	Carton Size	Net Weight	Gross Weight
SP01	10m	10	35*35*19cm	20.0kg	21.6kg
SP05	11m	10	35*35*19cm	19.8kg	21.4kg
SF05	11m	10	35*35*19cm	18.0kg	19.6kg
SF06	8m	14	35*35*19cm	26.8kg	28.4kg
SF08	8m	14	35*35*19cm	26.8kg	28.4kg
SF09	8m	10	35*35*19cm	14.4kg	16.0kg
SF10	6m	11	35*35*19cm	21.2kg	22.8kg
F15/SF15	6m	7	35*35*19cm	16.8kg	18.4kg
F16/SF16	4.5m	9	35*35*19cm	18.7kg	20.3kg
SF17	4.5m	9	35*35*19cm	18.7kg	20.3kg
SF18	4.5m	9	35*35*19cm	18.7kg	20.3kg
F21/SF21	4.5m	9	35*35*19cm	21.0kg	22.6kg
SF24	13m	2	41*41*19cm	15.6kg	17.5kg

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Product Packing Details

Custom : Carton (White Box+Plastic Plate Inside)

Product	Packing 1				Packing 2			
	Packing 1 Max. Length	Quantity (Plate)	Carton Size	Gross Weight	Packing 2 Max. Length	Quantity (Plate)	Carton Size	Gross Weight
F15/SF15	5m	1	41*41*5cm	2.5kg	10m	1	57*48*6cm	5.0kg
		4	41*41*19cm	10.6kg		5	57*48*19cm	25.0kg
F16/SF16	5m	1	41*41*5cm	2.5kg	10m	1	63*53*6cm	5.0kg
		4	41*41*19cm	10.0kg		3	63*53*16cm	15.0kg
SF17	5m	1	41*41*5cm	2.5kg	10m	1	63*53*6cm	5.0kg
		4	41*41*19cm	10.6kg		3	63*53*16cm	15.0kg
SF18	5m	1	41*41*5cm	2.5kg	10m	1	63*53*6cm	5.0kg
		4	41*41*19cm	10.6kg		3	63*53*16cm	15.0kg
F21/SF21	5m	1	41*41*5cm	3.1kg	10m	1	63*53*6cm	6.2kg
		4	41*41*19cm	13.0kg		3	63*53*16cm	18.6kg
SP01	10m	1	41*41*5cm	2.6kg	20m	1	57*48*6cm	5.0kg
		4	41*41*19cm	11.0kg		5	57*48*19cm	25.0kg
SP05	10m	1	41*41*5cm	2.4kg	20m	1	57*48*6cm	3.6kg
		4	41*41*19cm	9.6kg		5	57*48*19cm	18.0kg
SF05	10m	1	41*41*5cm	2.0kg	20m	1	57*48*6cm	4.0kg
		4	41*41*19cm	8.0kg		5	57*48*19cm	20.0kg
SF06	7m	1	41*41*5cm	2.3kg	14m	1	57*48*6cm	4.4kg
		4	41*41*19cm	9.2kg		5	57*48*19cm	22.0kg
SF08	7m	1	41*41*5cm	2.3kg	14m	1	57*48*6cm	4.4kg
		4	41*41*19cm	9.2kg		5	57*48*19cm	22.0kg
SF09	9m	1	41*41*5cm	2.0kg	18m	1	57*48*6cm	3.9kg
		4	41*41*19cm	8.0kg		5	57*48*19cm	19.5kg
SF10	5m	1	41*41*5cm	2.3kg	10m	1	57*48*6cm	4.2kg
		4	41*41*19cm	9.2kg		5	57*48*19cm	21.0kg
SF24	5m	1	57*48*6cm	2.3kg	10m	1	63*53*6cm	4.2kg
		4	57*48*19cm	9.2kg		5	63*53*16cm	21.0kg
SF33	3m	1	63*53*6cm	3.4kg	10m	1	85*73*6cm	11.5kg
		3	63*53*16cm	10.2kg		2	85*73*11cm	23.0kg
SF34	3m	1	63*53*6cm	3.2kg	10m	1	85*73*6cm	11.0kg
		3	63*53*16cm	9.6kg		2	85*73*11cm	22.0kg