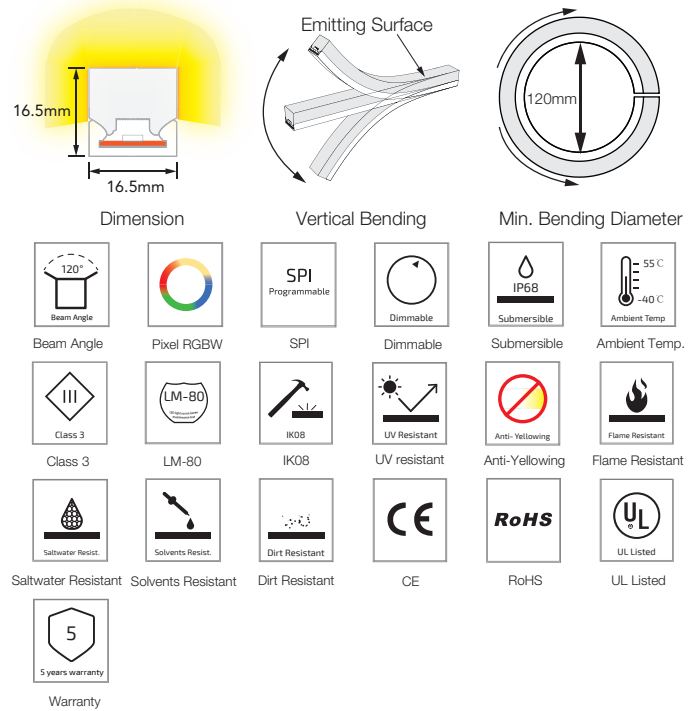
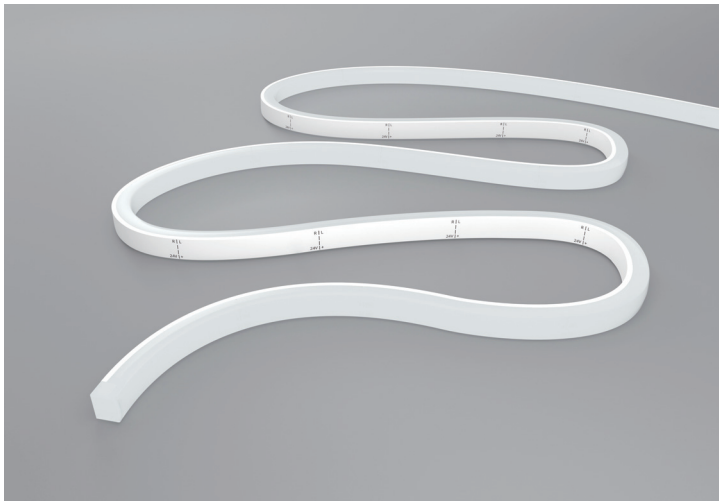


SF18 SPI Pixel Chasing RGBW Silicone LED Linear Flex

SF18-24V-5050-84-SPI4-RGBW

Specification



Technical Parameters

Electrical	
Input Voltage	24V DC
Power Consumption	22W/m
Physical	
LED Count	84 LEDs/m
Cutting Unit	7 LEDs
Cutting Unit Length	83.3mm
Minimum Bend Diameter	120mm
Output	
LED Light	Epistar SMD LED 5050
Color	RGBW(2700K/3000K/4000K/5000K)
Working Mode	SPI
Pixels Quantity	12 Pixels/m
IC Chips	UCS8904
Max Run Length*	
Single Feed	8 M
Double Feed	16 M
Beam Angle	210°
Lumen Maintenance	70,000 Hours L70 @ 25°C 50,000 Hours L70 @ 50°C

Emitting Color	Lumen Output
Red	90lm/m
Green	270lm/m
Blue	60lm/m
RGB(White)	670lm/m
3000K	310lm/m

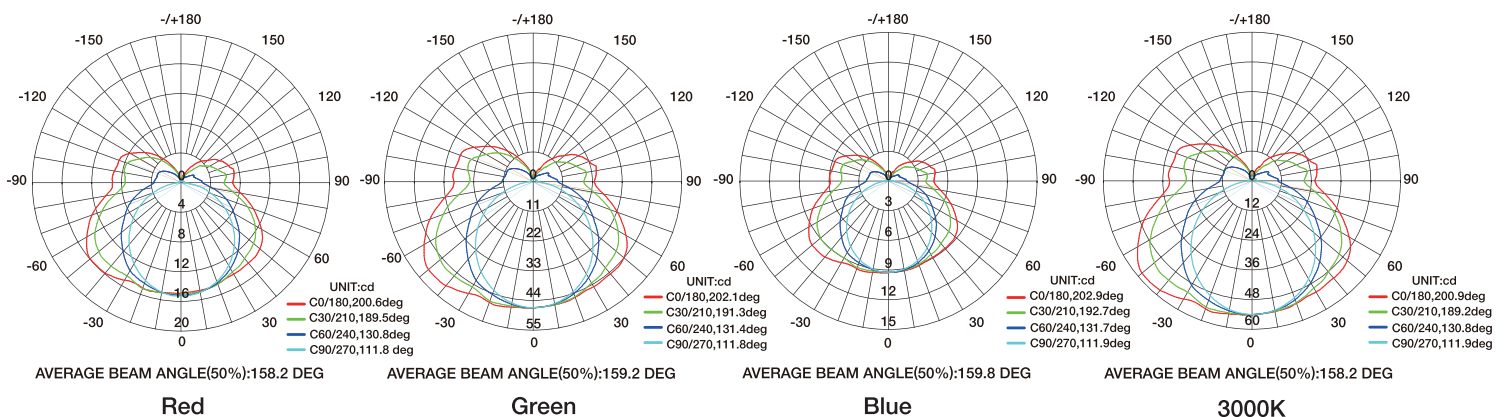
Temperature Ranges

Installation	0°C to 50°C
Operating	-40°C to 55°C

Dependability

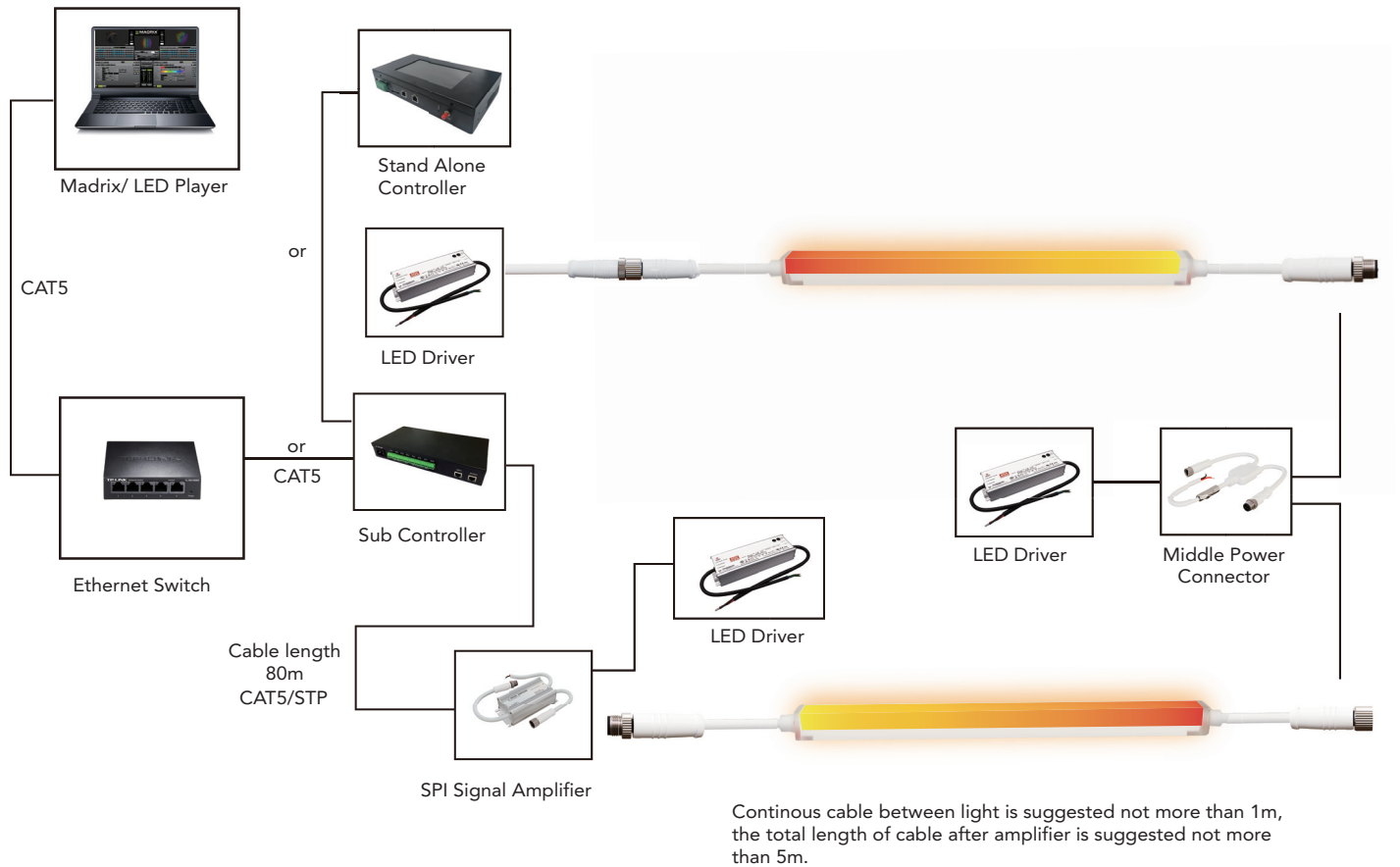
Warranty	5 Years Warranty
IP Rating	IP68 Wet location submersible <2m

Illuminance Distribution



SF18 SPI Pixel Chasing RGBW Silicone LED Linear Flex

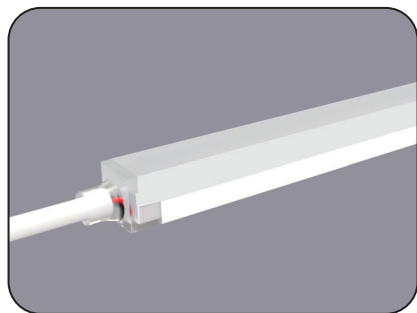
Connection



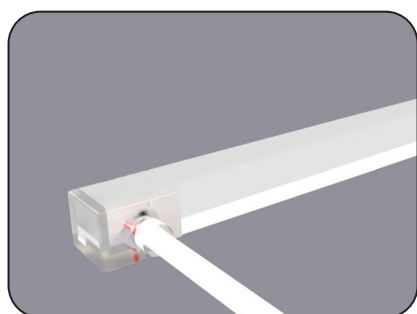
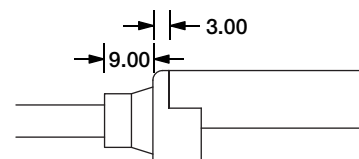
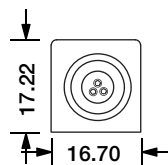
SF18 Configuration and Accessories

Mold injection Connector

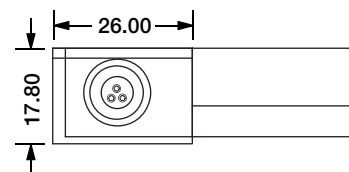
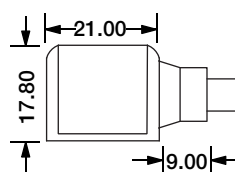
(IP68 Factory Assembly Only)



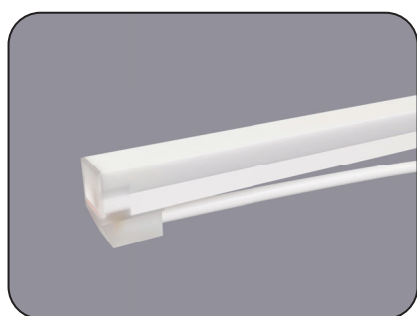
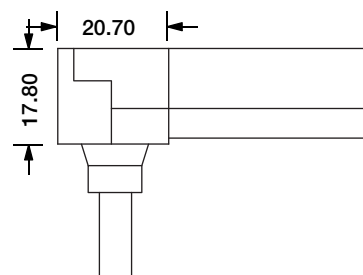
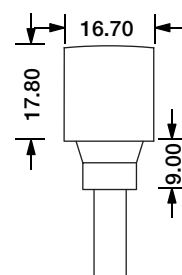
Direct Entry Connector
MJ-SF18-D3-D02SM
MJ-SF18-D3-D03SFM



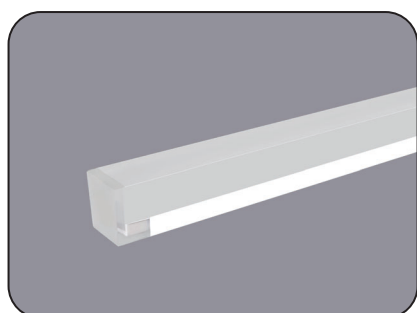
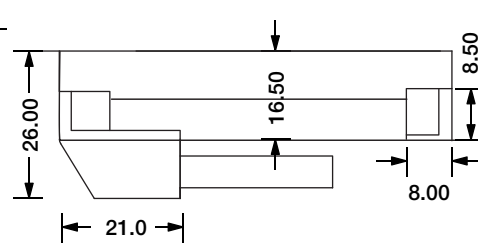
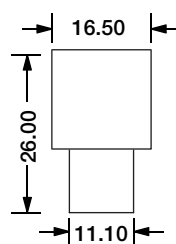
Side Entry Connector
MJ-SF18-D3-S02SM
MJ-SF18-D3-S03SFM



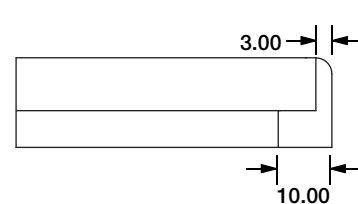
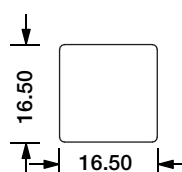
Bottom Entry Connector
MJ-SF18-D3-B02SM
MJ-SF18-D3-B03SFM



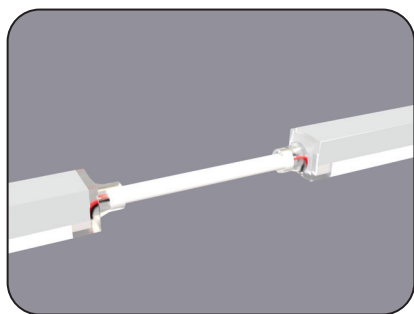
L Shape Entry Connector
MJ-SF18-D3-L02SM
MJ-SF18-D3-L03SFM



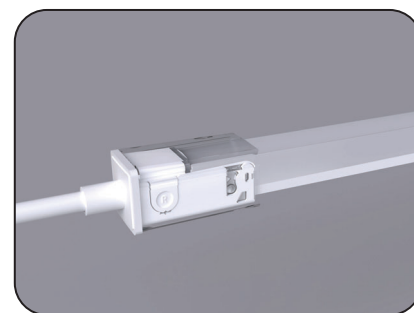
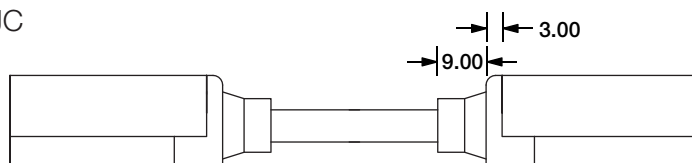
End Cap



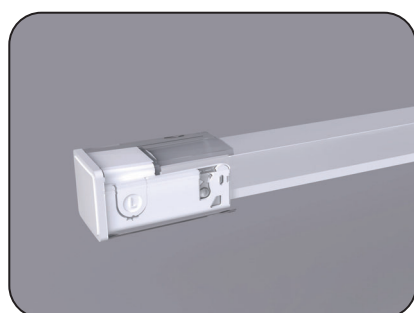
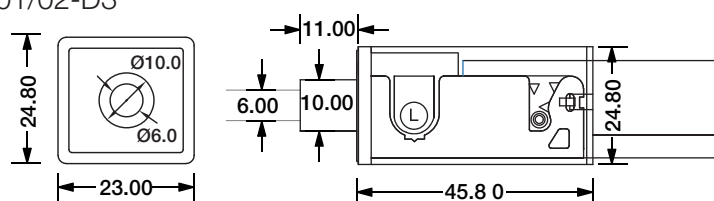
SF18 Configuration and Accessories



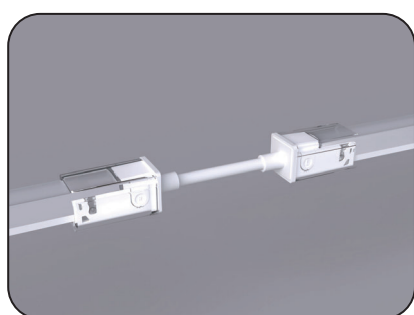
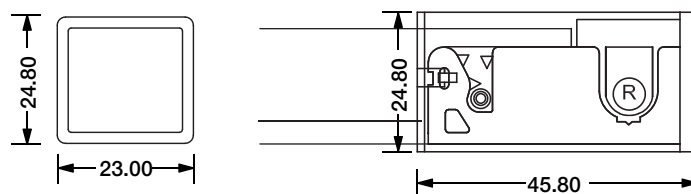
Jumper
MJ-SF18-D3-D-JC



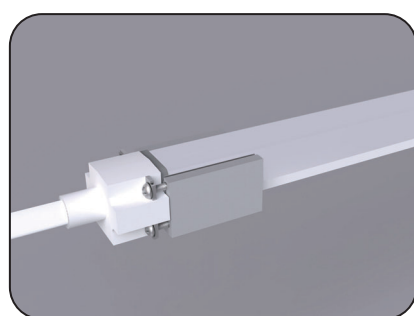
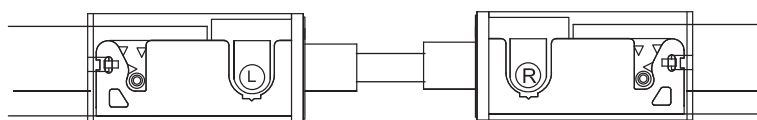
DIY Snap Connector
DIY-SN-FR-16-D-01/02-D3



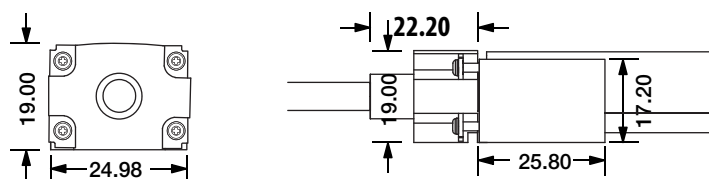
DIY Snap End Cap
DIY-SN-END-16-D-01/02



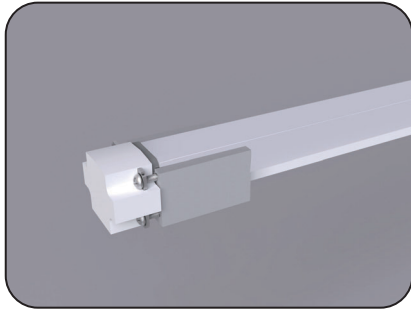
DIY Snap Extent Connector
DIY-SN-EXT-16-D3



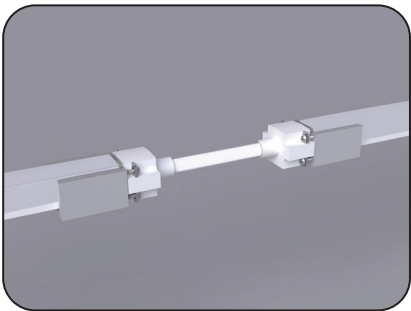
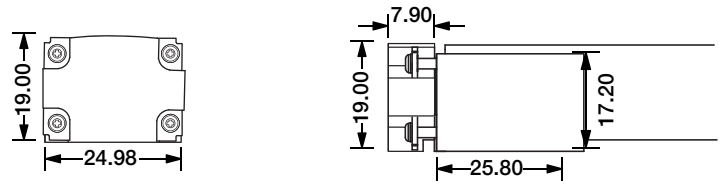
DIY Screw Connector
DIY-SC-FR-16-D-01/02-D3



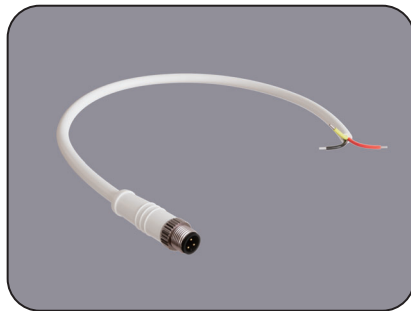
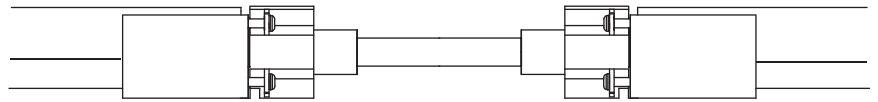
SF18 Configuration and Accessories



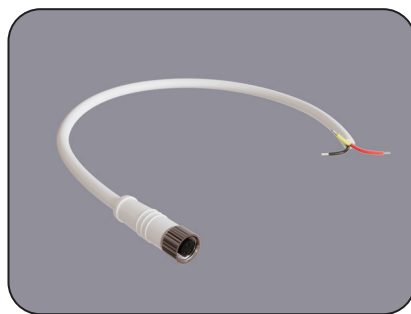
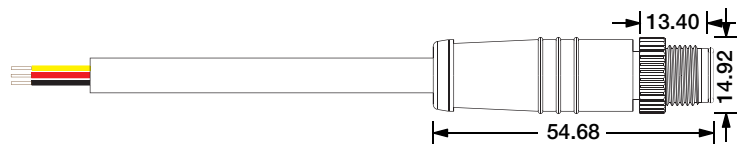
DIY Screw End Cap
DIY-SC-END-16



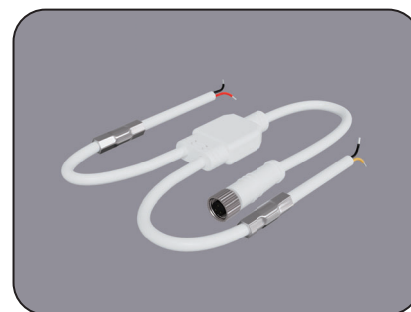
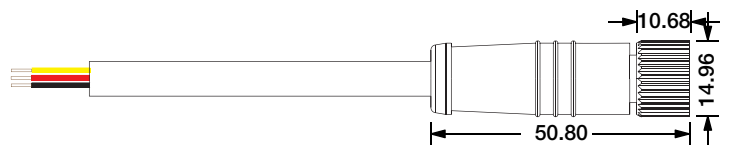
DIY Screw Extent Connector
DIY-SC-EXT-16-A



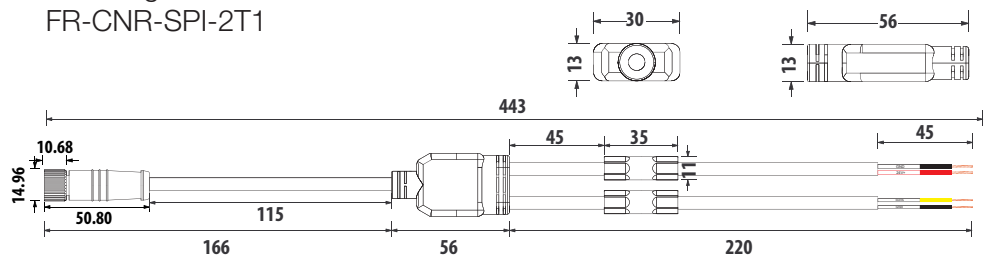
Male Connector
M12-M-3C-20AWG-D6-W-0327-S



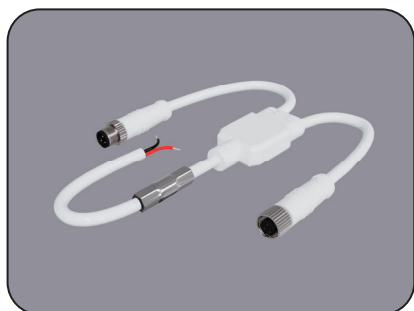
Female Connector
M12-F-3C-20AWG-D6-W-0327-S



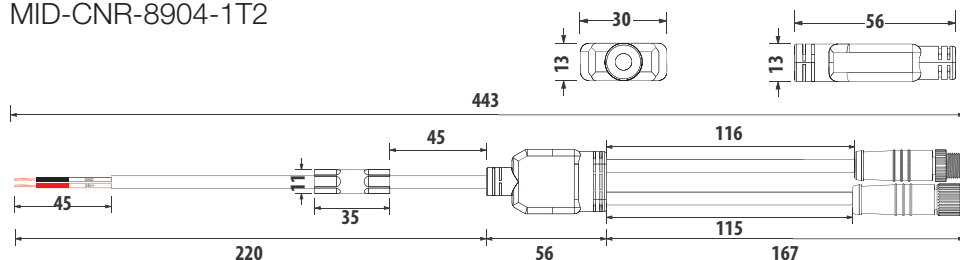
Front Signal & Power Connector
FR-CNR-SPI-2T1



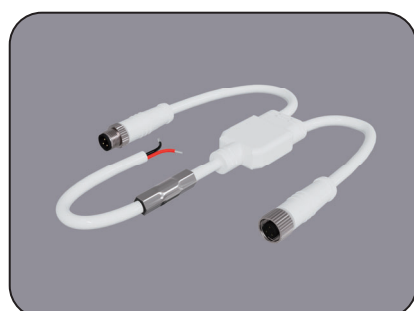
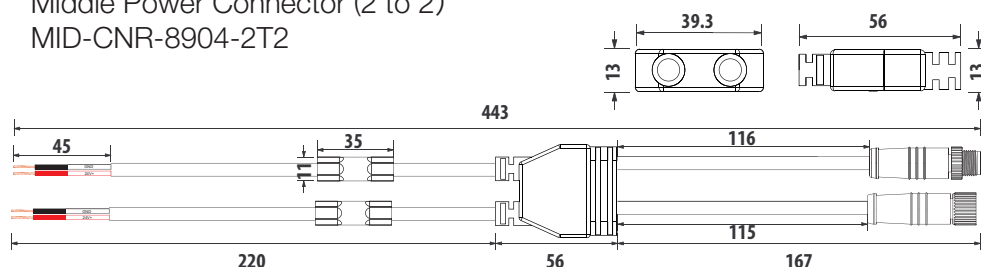
SF18 Configuration and Accessories



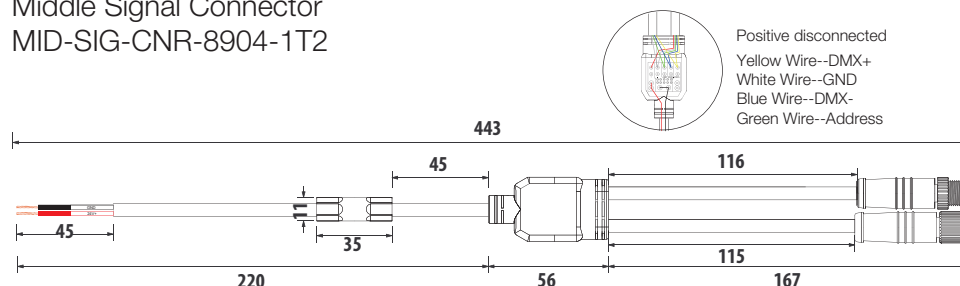
Middle Power Connector (1 to 2)
MID-CNR-8904-1T2



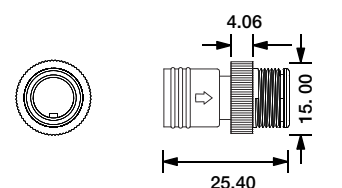
Middle Power Connector (2 to 2)
MID-CNR-8904-2T2



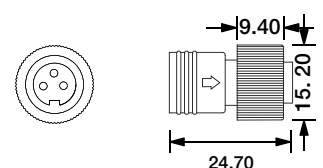
Middle Signal Connector
MID-SIG-CNR-8904-1T2



Male Connector End Cap
SYZ-EC-M12-M

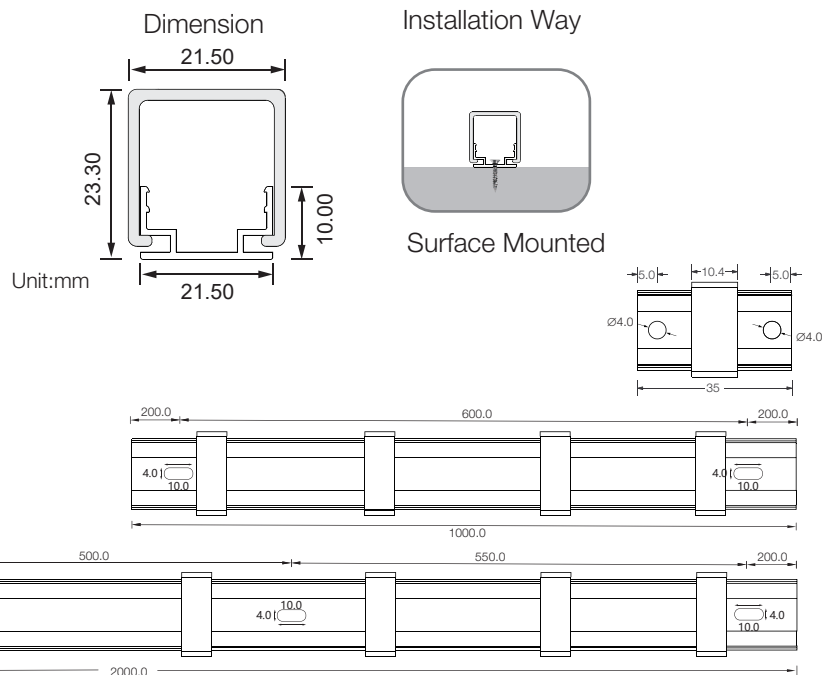
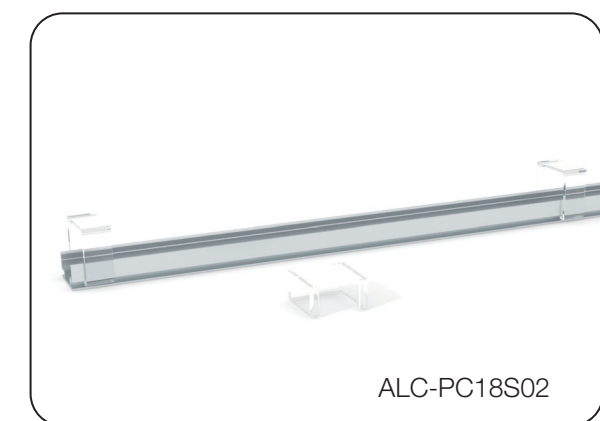


Female Connector End Cap
SYZ-EC-M12-F-3C



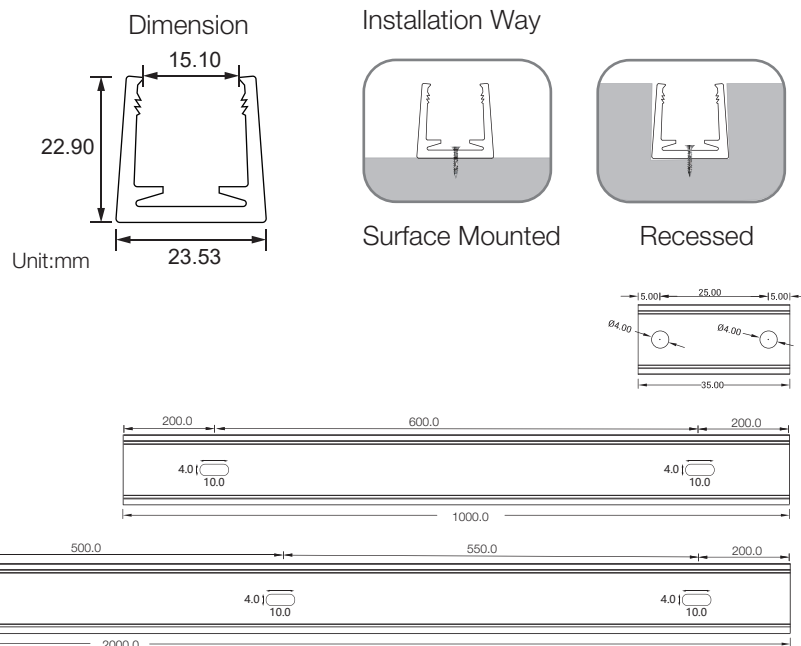
LED Linear Flex Mounting Channel

1. Aluminum Channel



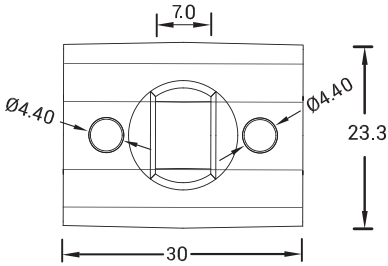
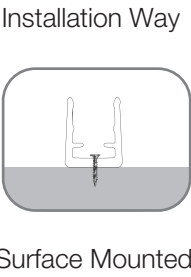
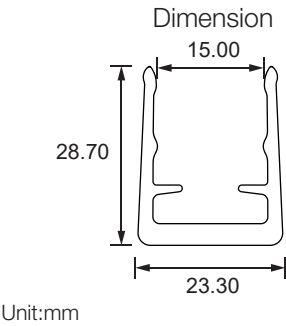
Model	W x H(mm)	Standard Length	Screw Holes	Plastic Clips	Suitable Product
ALC-PC18S02-035	21.5*23.3	35mm	Φ4.0mm*2	1	SF18
ALC-PC18S02-100		1000mm	○4.0mm*2	4	SF18
ALC-PC18S02-200		2000mm	○4.0mm*4	8	SF18

2. Plastic Channel



Model	W x H(mm)	Standard Length	Screw Holes	Holes Numbers	Suitable Product
PC16/17S02-T-100	23.53*22.90	1000mm	Φ4.0mm	2	SF18

LED Linear Flex Mounting Channel



Model	W x H(mm)	Standard Length	Screw Holes	Holes Numbers	Suitable Product
SJJ-ZSH-008-PC	23.3*28.7	30mm	Ø4.40mm	2	SF18

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

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