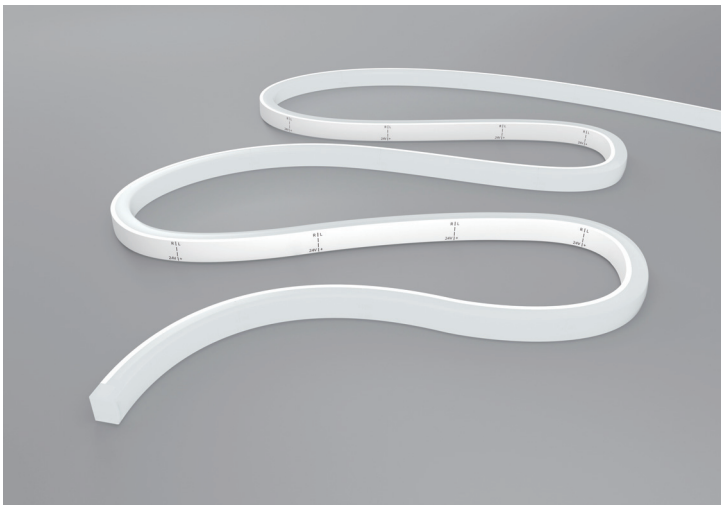
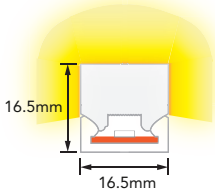
SF18 DMX Pixel Chasing RGBW Silicone LED Linear Flex

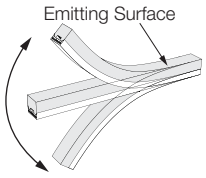
SF18-48V-5050-84-DMX4-RGBW

Specification

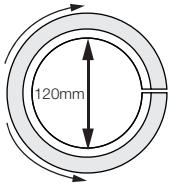




Dimension



Vertical Bending



Min. Bending Diameter

Beam Angle

Pixel RGBW

DMX512

Dimmable

Submersible

Ambient Temp.

Class 3

LM-80

IK08

UV resistant

Anti-Yellowing

Flame Resistant

Saltwater Resistant

Solvents Resistant

Dirt Resistant

CE

RoHS

Warranty

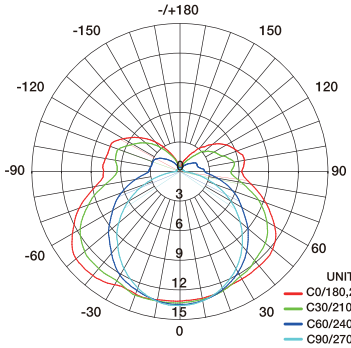
Technical Parameters

Electrical	
Input Voltage	48V DC
Power Consumption	20W/m
Physical	
LED Count	84 LEDs/m
Cutting Unit	14 LEDs
Cutting Unit Length	166.7mm
Minimum Bend Diameter	120mm
Output	
LED Light	Epistar SMD LED 5050
Color	RGBW (2700K/3000K/4000K/5000K)
Working Mode	DMX (RS485)
Pixels Quantity	6 Pixels/m
IC Chips	UCS512L1
Max Run Length*	
Single Feed	22 M
Double Feed	44 M
Beam Angle	210°
Lumen Maintenance	70,000 Hours L70 @ 25°C 50,000 Hours L70 @ 50°C

	Emitting Color	Lumen Output
	Red	80lm/m
	Green	270lm/m
	Blue	55lm/m
	RGB(White)	690lm/m
	3000K	300lm/m

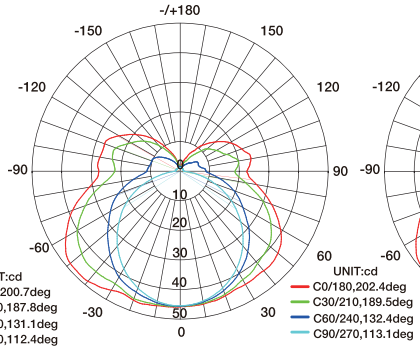
Temperature Ranges	
Installation	0°C to 50°C
Operating	-40°C to 55°C
Dependability	
Warranty	5 Years Warranty
IP Rating	IP68 Wet location submersible <2m

Illuminance Distribution



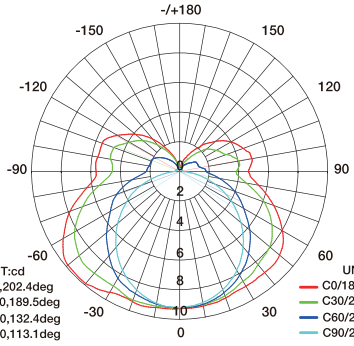
AVERAGE BEAM ANGLE(50%):158.0DEG

Red



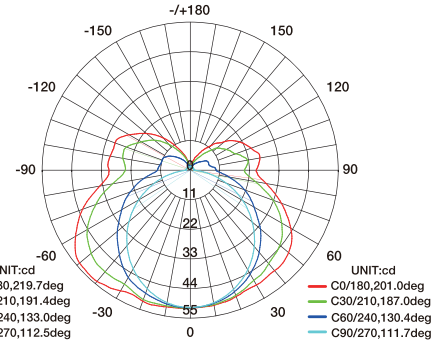
AVERAGE BEAM ANGLE(50%):159.4 DEG

Green



AVERAGE BEAM ANGLE(50%):164.1 DEG

Blue



AVERAGE BEAM ANGLE(50%):157.5 DEG

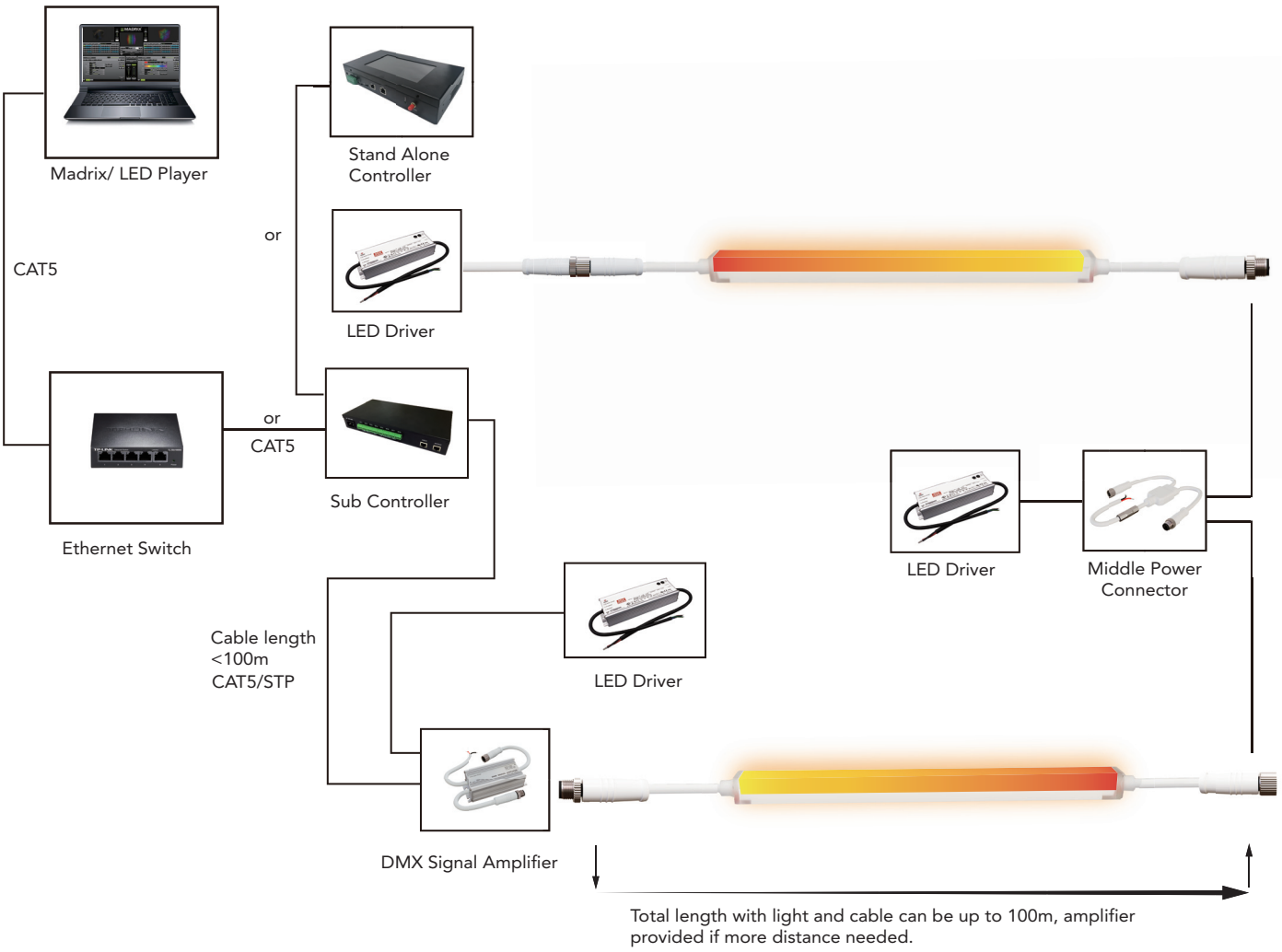
3000K

Lighting OLYMPIA

Email: info@olympialed.com
Http://www.olympialed.com

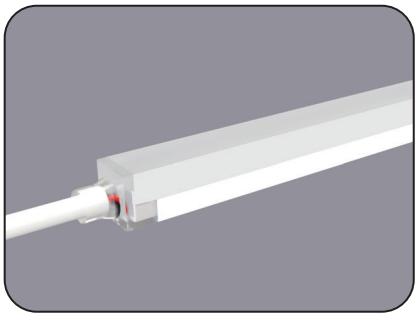
SF18 DMX Pixel Chasing RGBW Silicone LED Linear Flex

Connection

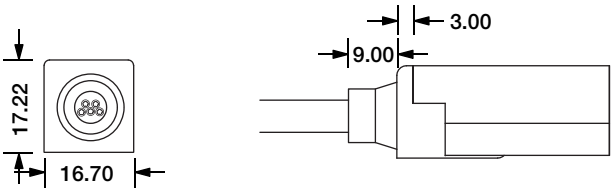


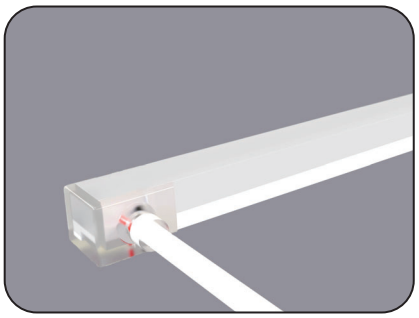
SF18 Configuration and Accessories

Mold injection Connector (IP68 Factory Assembly Only)

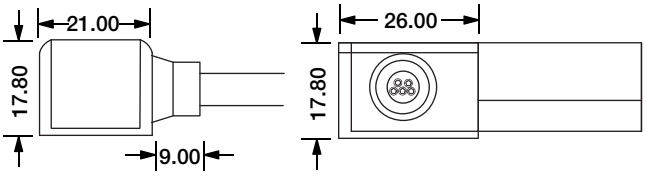


Direct Entry Connector
MJ-SF18-D5-D02SM
MJ-SF18-D5-D03SFM

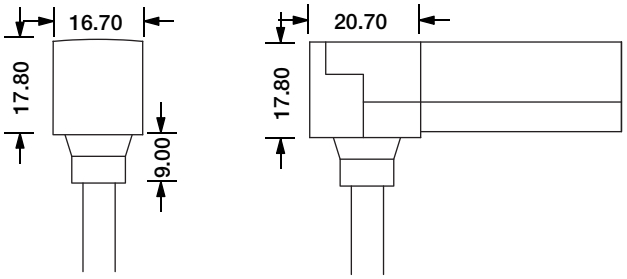


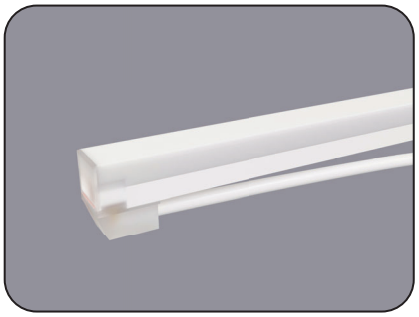


Side Entry Connector
MJ-SF18-D5-S02SM
MJ-SF18-D5-S03SFM

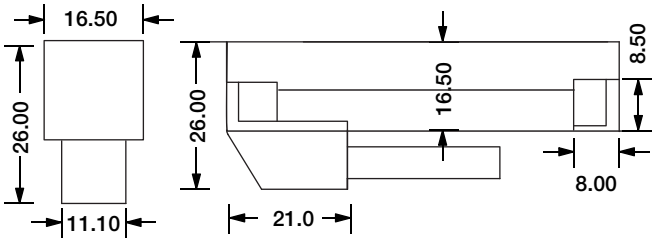


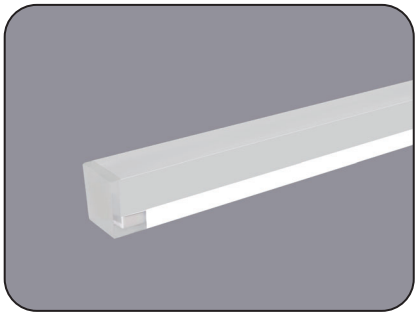
Bottom Entry Connector
MJ-SF18-D5-B02SM
MJ-SF18-D5-B03SFM



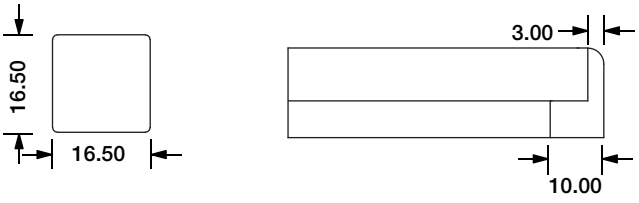


L Shape Entry Connector
MJ-SF18-D5-L02SM
MJ-SF18-D5-L03SFM

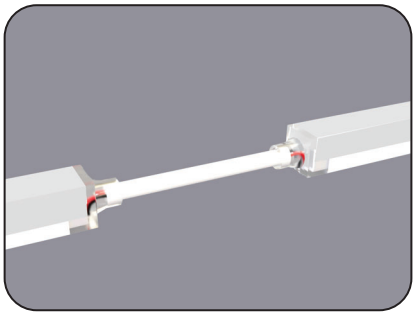




End Cap

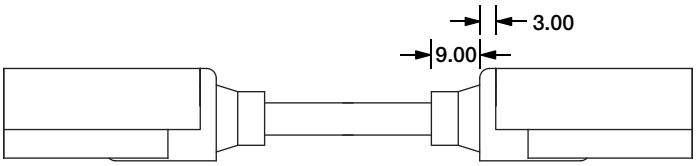


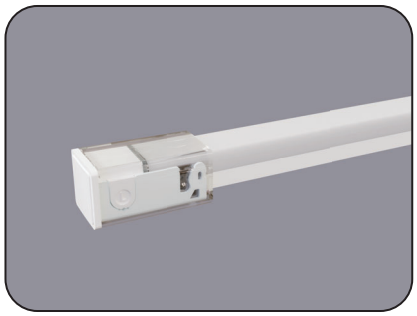
SF18 Configuration and Accessories



Jumper

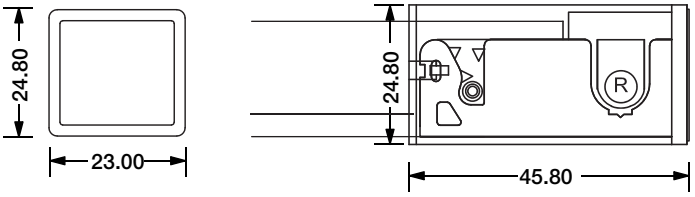
MJ-SF18-D5-D-JC

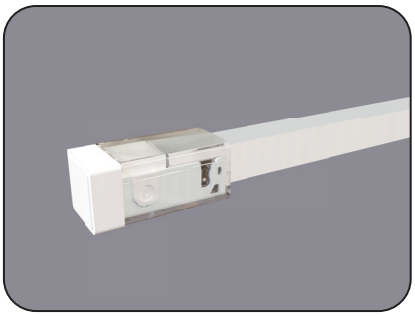




DIY Snap End Cap

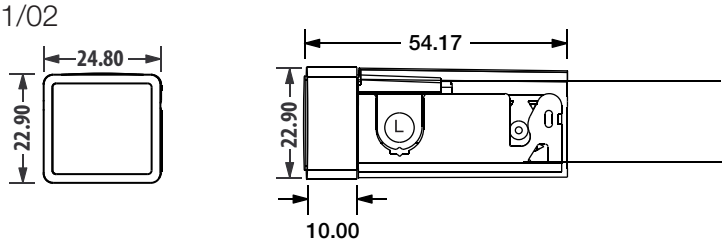
DIY-SN-END-16-D-01/02

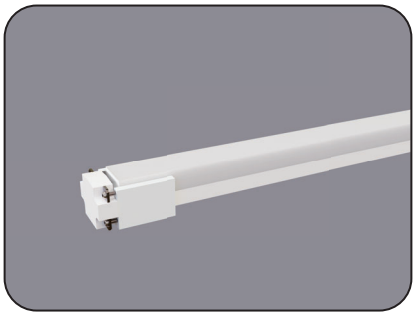




DIY Snap End Cap

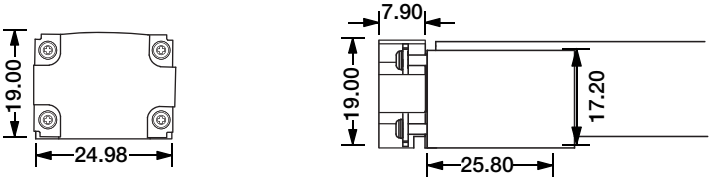
DIY-SN-END-16-B-01/02

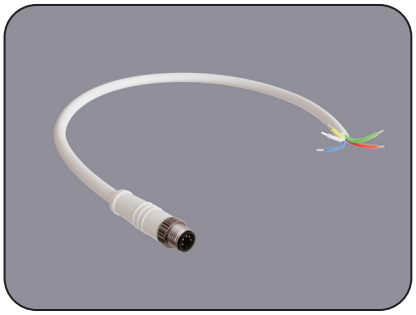




DIY Screw End Cap

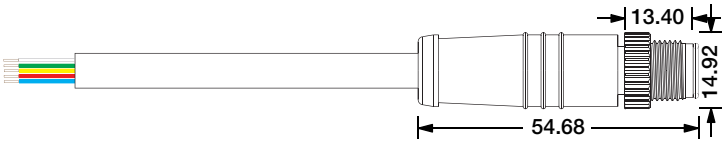
DIY-SC-END-16



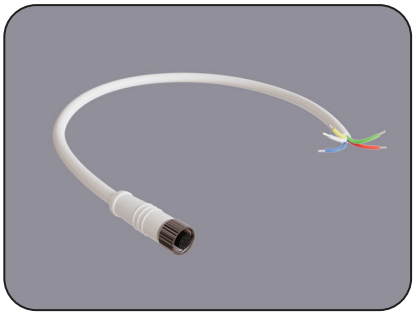


Male Connector

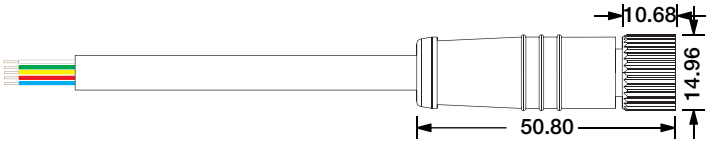
M12-M-5C-18AWG+24AWG-D6-W-0327-S

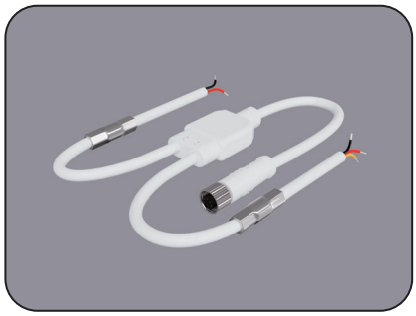


SF18 Configuration and Accessories

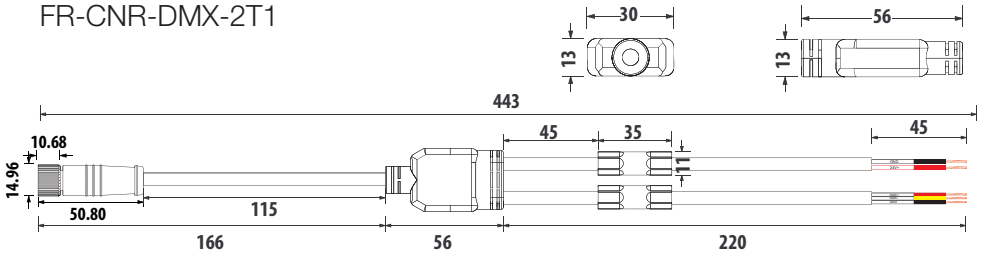


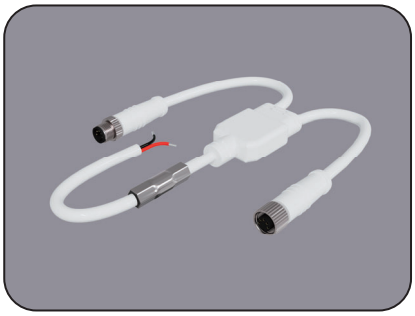
Female Connector
M12-F-5C-18AWG+24AWG-D6-W-0327-S



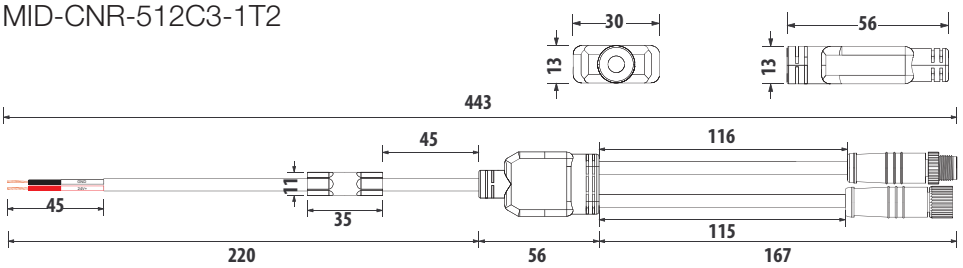


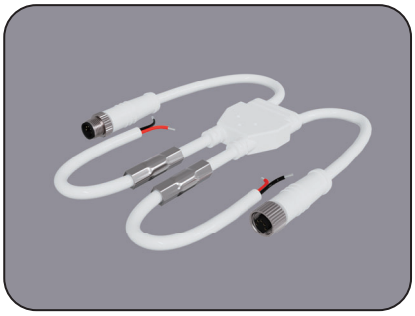
Front Signal & Power Connector
FR-CNR-DMX-2T1



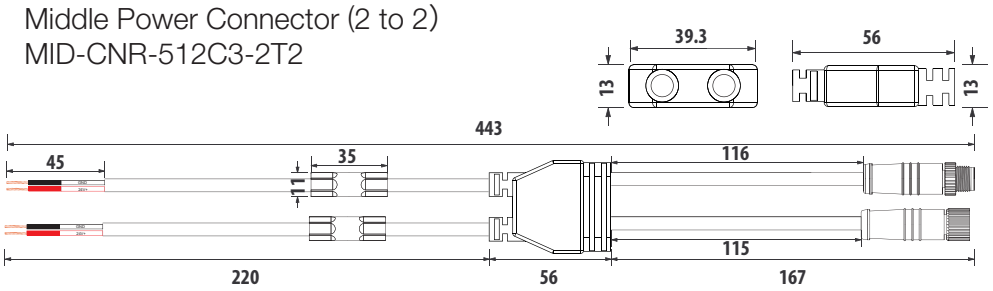


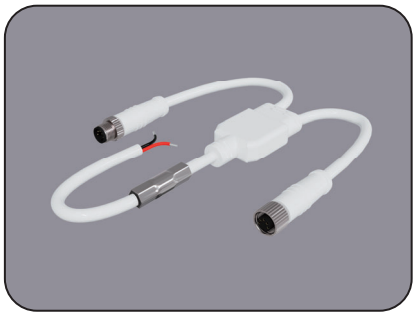
Middle Power Connector (1 to 2)
MID-CNR-512C3-1T2



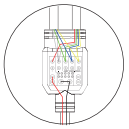


Middle Power Connector (2 to 2)
MID-CNR-512C3-2T2

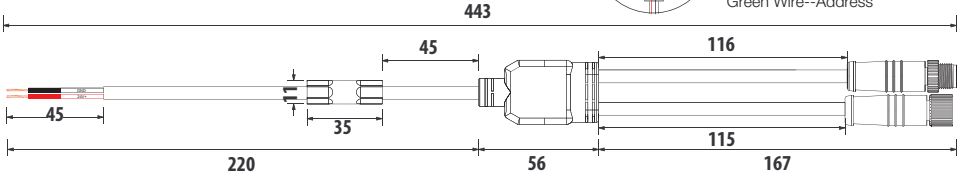




Middle Signal Connector
MID-SIG-CNR-512C3-1T2

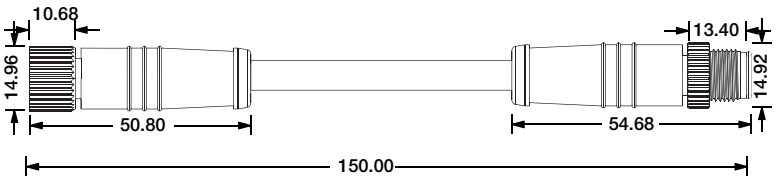


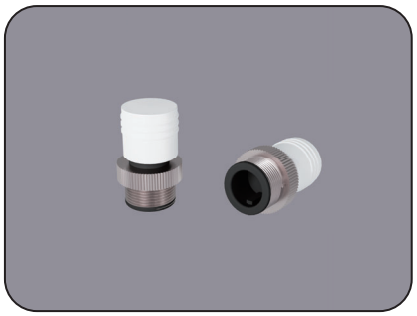
Positive disconnected
Yellow Wire--DMX+
White Wire--GND
Blue Wire--DMX-
Green Wire--Address



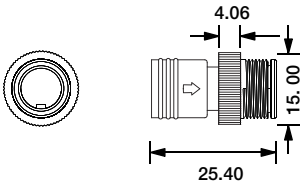
SF18 Configuration and Accessories

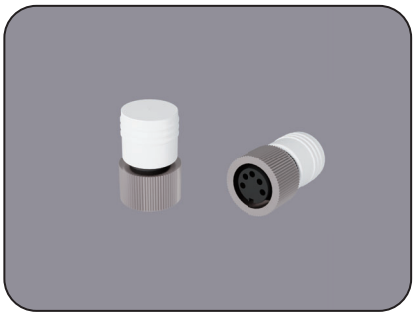
Positive Disconnected Connector Cable
M12-EXT-SIG-5C-20AWG-D6-W-015



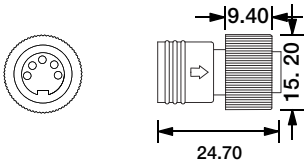


Male Connector End Cap
SYZ-EC-M12-M



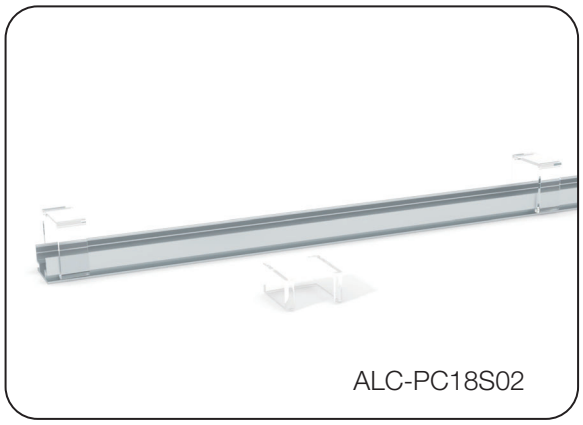


Female Connector End Cap
SYZ-EC-M12-F-5C

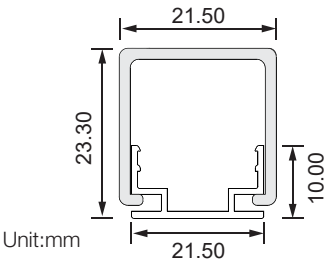


LED Linear Flex Mounting Channel

1. Aluminum Channel

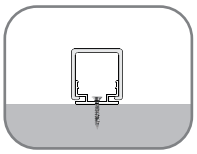


Dimension

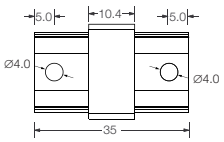


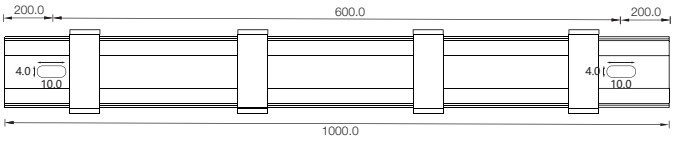
Unit:mm

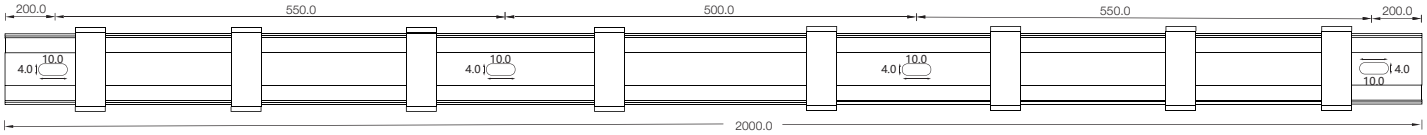
Installation Way



Surface Mounted



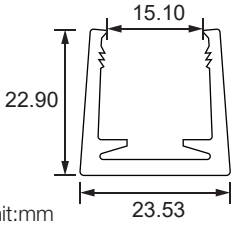




Model	W x H(mm)	Standard Length	Screw Holes	Plastic Clips	Suitable Product
ALC-PC18S02-035	21.5*23.3	35mm	Φ4.0mm*2	1	SF18
ALC-PC18S02-100		1000mm	⬭4.0mm*2	4	SF18
ALC-PC18S02-200		2000mm	⬭4.0mm*4	8	SF18

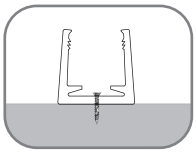
2. Plastic Channel

Dimension

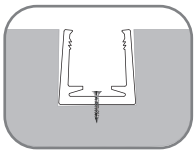


Unit:mm

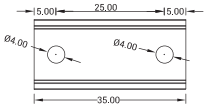
Installation Way

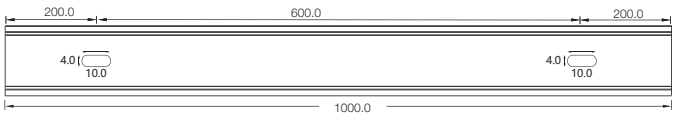


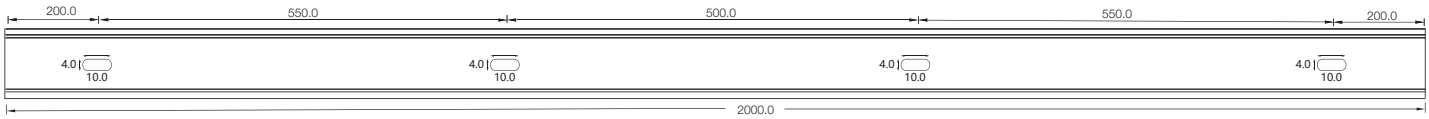
Surface Mounted



Recessed







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

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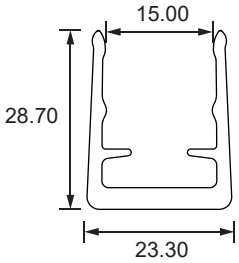
LED Linear Flex Mounting Channel

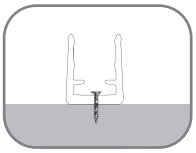
SJJ-ZSH-008-PC

Dimension

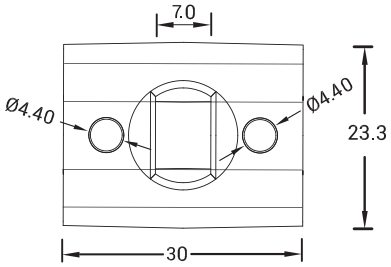


Unit:mm

Installation Way



Surface Mounted



Model	W x H(mm)	Standard Length	Screw Holes	Holes Numbers	Suitable Product
SJJ-ZSH-008-PC	23.3*28.7	30mm	Φ4.40mm	2	SF18

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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