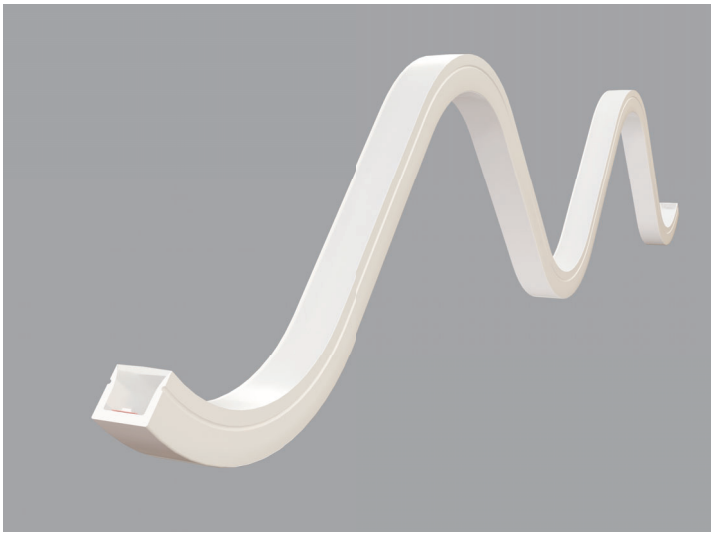
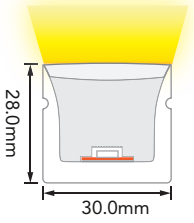
SF31 Multi Color RGBW Silicone LED Linear Flex

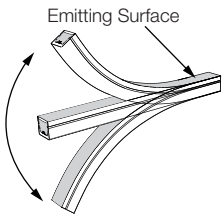
SF31-24V-5050-72-RGBW

Specification

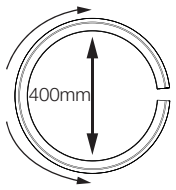




Dimension



Vertical Bending



Min. Bending Diameter

Beam Angle

RGBW

One Bin

Dimmable

Submersible

Ambient Temp.

Class 3

LM-80

IK08

UV resistant

Anti-Yellowing

Flame Resistant

Saltwater Resistant

Solvents Resistant

Dirt Resistant

CE

RoHS

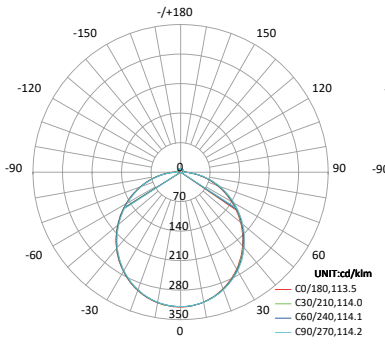
Warranty

Technical Parameters

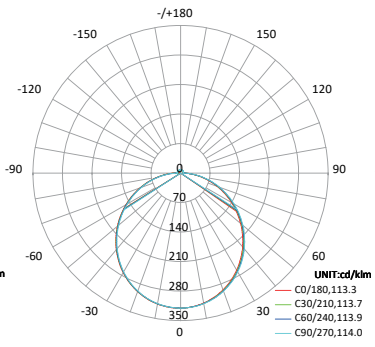
Electrical	
Input Voltage	24V DC
Power Consumption	17W/m
Physical	
LED Count	72 LEDs/m
Cutting Unit	6 LEDs
Cutting Unit Length	83.3mm
Minimum Bend Diameter	80mm
Output	
LED Light	Epistar SMD LED 5050
Color	RGBW(2700K/3000K/4000K/5000K)
Max Run Length*	
Single Feed	8 M
Double Feed	16 M
Beam Angle	120°
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

Emitting Color	Lumen Output
Red	68lm/m
Green	244lm/m
Blue	46lm/m
RGBW	595lm/m
2700K	287m/m
3000K	294m/m
4000K	318m/m
5000K	341m/m

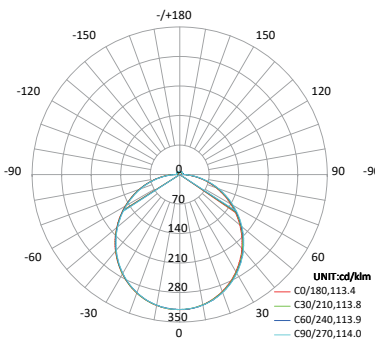
Illuminance Distribution



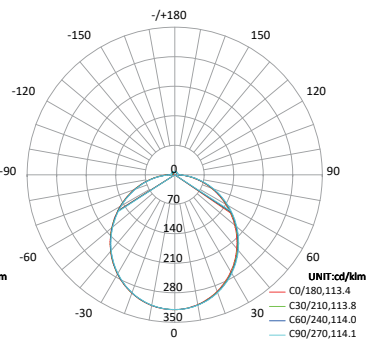
AVERAGE BEAM ANGLE(50%):113.9 DEG
Red



AVERAGE BEAM ANGLE(50%):113.7 DEG
Green



AVERAGE BEAM ANGLE(50%):113.7 DEG
Blue



AVERAGE BEAM ANGLE(50%):113.8 DEG
3000K

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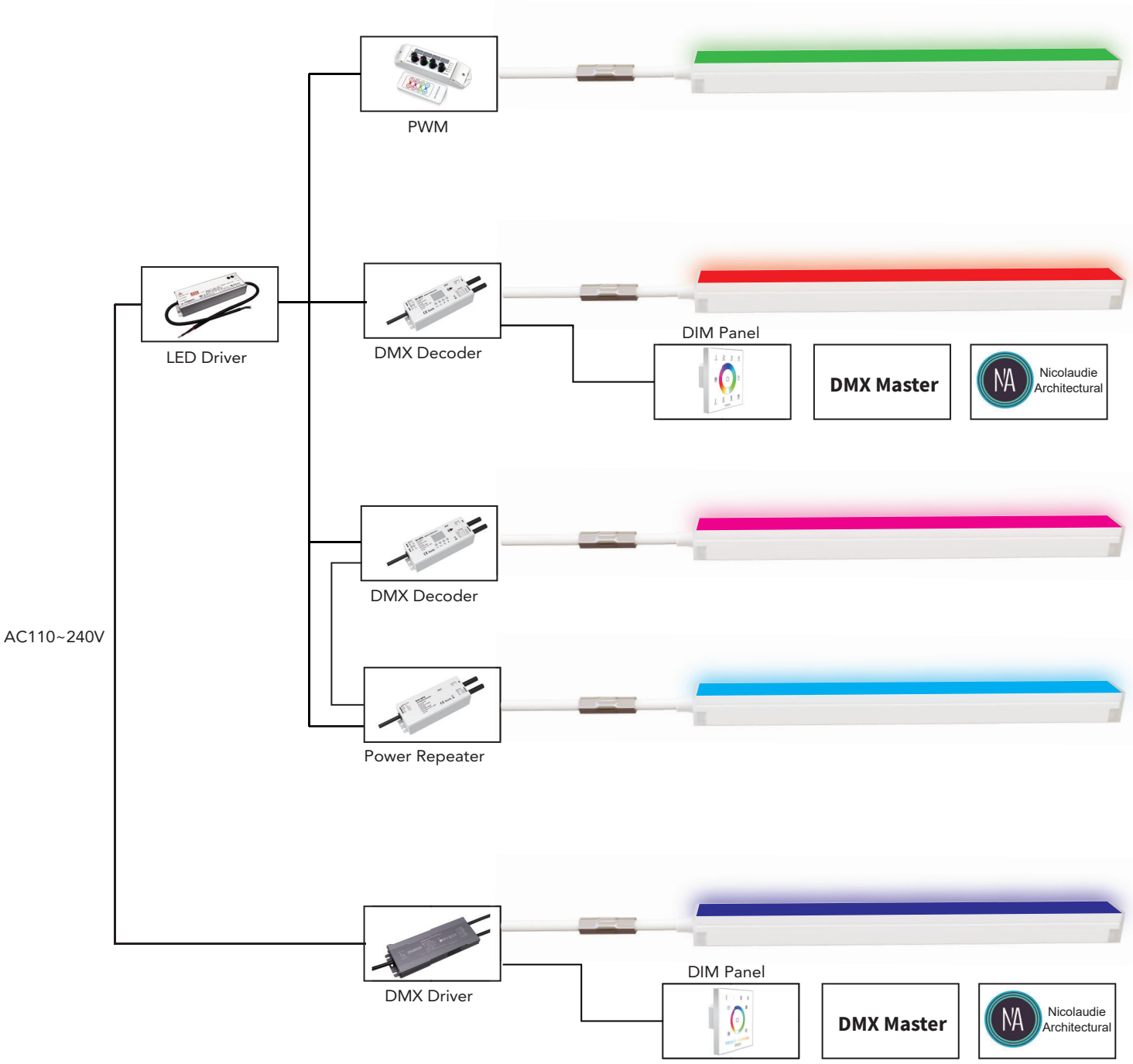
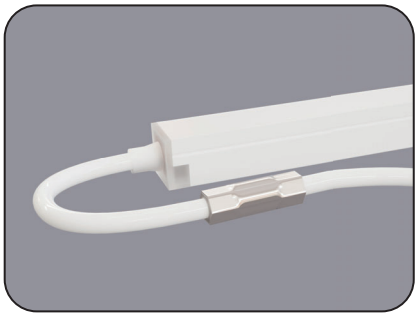
SF31 Multi Color RGBW Silicone LED Linear Flex

Connection

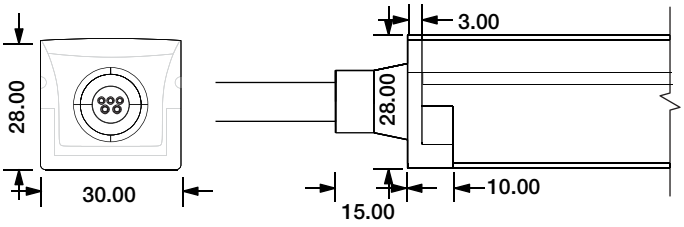


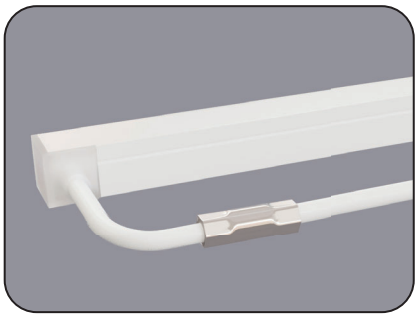
SF31 Configuration and Accessories

Mold injection Connector (IP68 Factory Assembly Only)

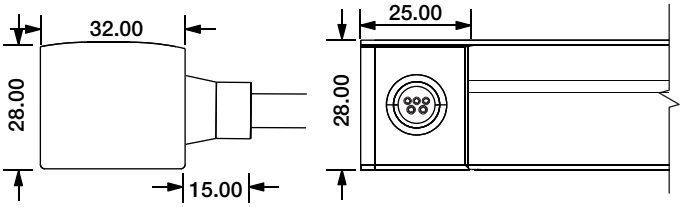


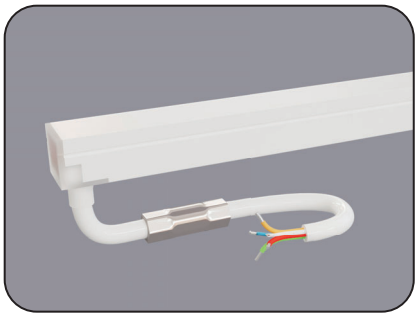
Direct Entry Connector
MJ-SF31-RGBW-D01/02/03
MJ-SF31-RGBW-D01SM
MJ-SF31-RGBW-D02SF
MJ-SF31-RGBW-D03SFM



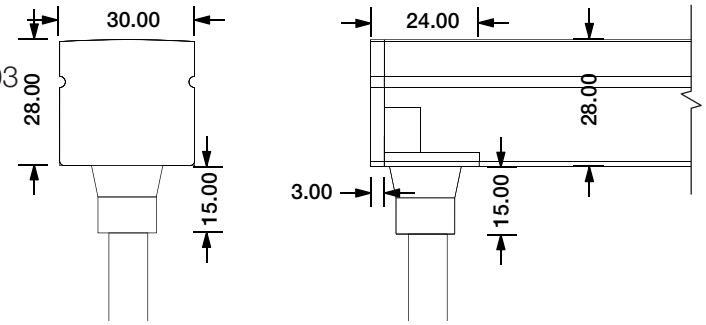


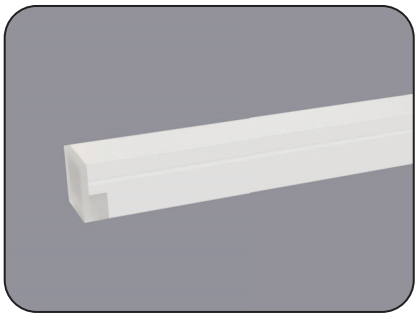
Side Entry Connector
MJ-SF31-RGBW-S01/02/03
MJ-SF31-RGBW-S01SM
MJ-SF31-RGBW-S02SF
MJ-SF31-RGBW-S03SFM



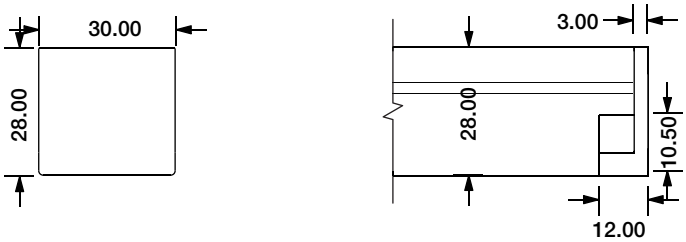


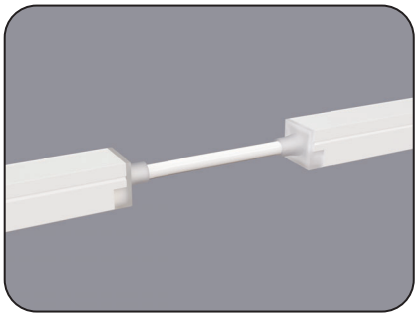
Bottom Entry Connector
MJ-SF31-RGBW-B01/02/03
MJ-SF31-RGBW-B01SM
MJ-SF31-RGBW-B02SF
MJ-SF31-RGBW-B03SFM



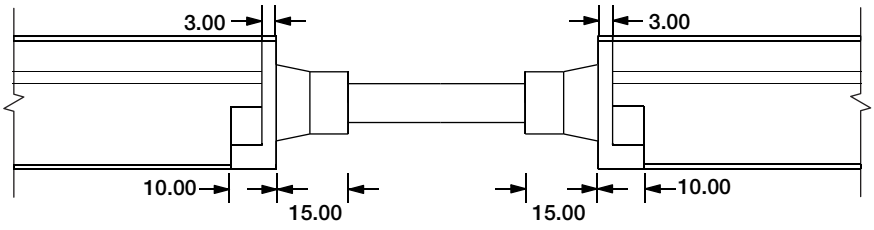


End Cap

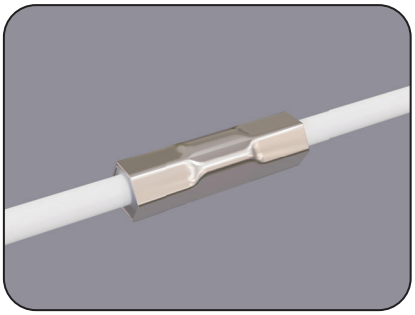




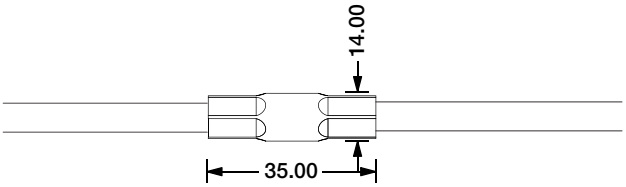
Jumper
MJ-SF31-RGBW-D-JC



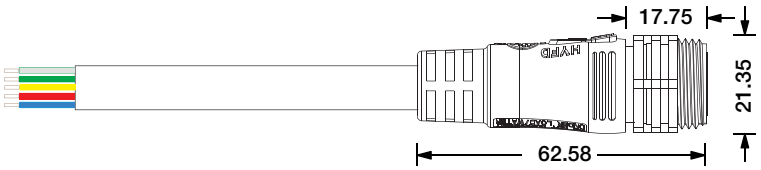
SF31 Configuration and Accessories



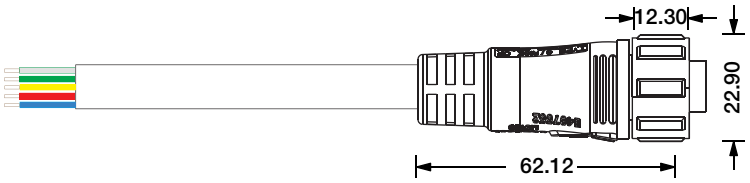
Waterproof Interrupter



Male Connector
SQ19-M-5C-20AWG-D8-W-0327-S

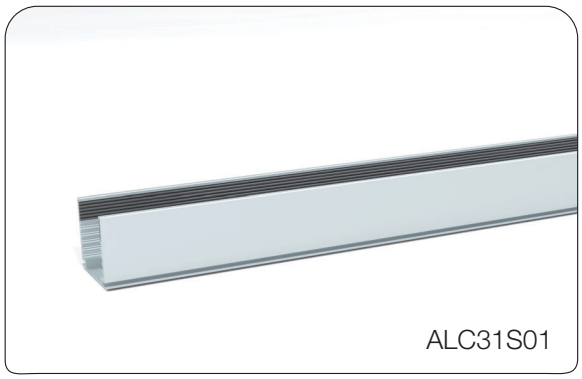


Female Connector
SQ19-F-5C-20AWG-D8-W-0327-S

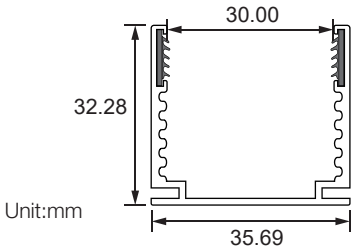


LED Linear Flex Mounting Channel

1. Aluminum Channel

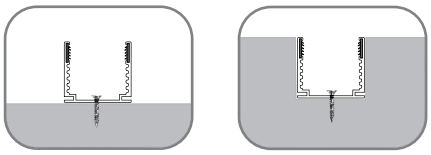


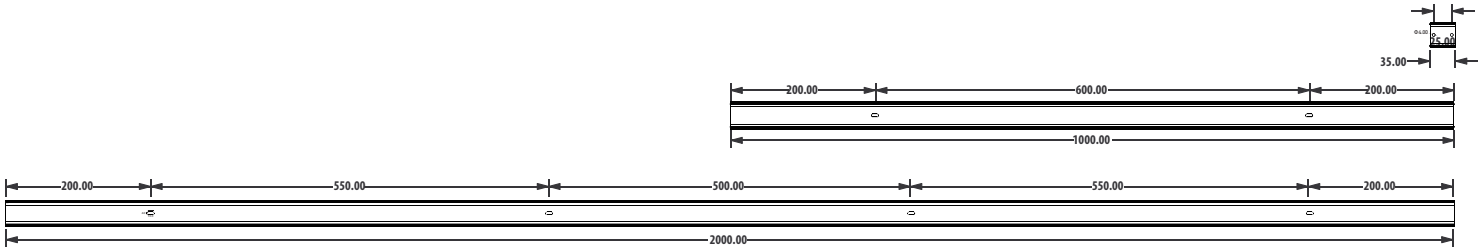
Dimension



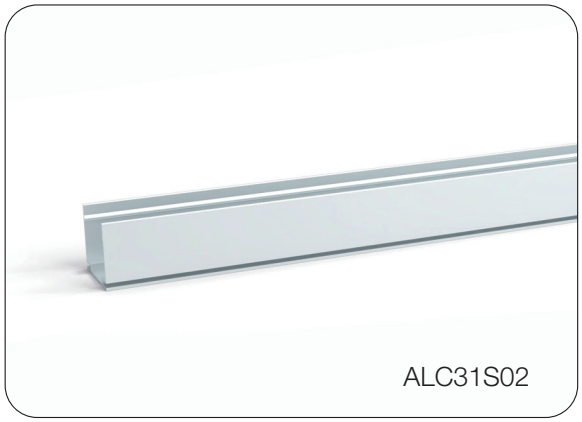
Unit:mm

Installation Way

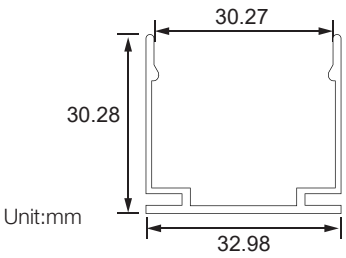




Model	W x H(mm)	Standard Length	Screw Holes	Holes Numbers	Suitable Product
ALC31S01-035	35.69*32.28	35mm	Φ4.0mm	2	SF31
ALC31S01-100		1000mm	⬭4.0mm	2	SF31
ALC31S01-200		2000mm	⬭4.0mm	4	SF31

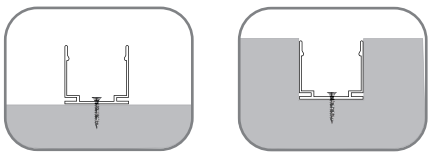


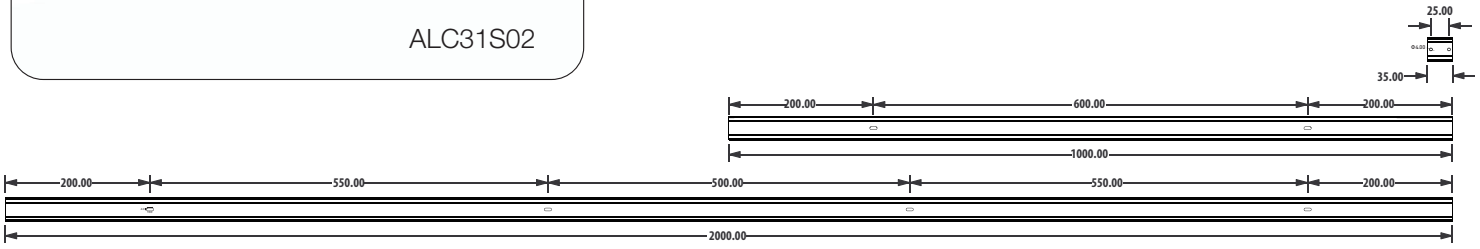
Dimension



Unit:mm

Installation Way





Model	W x H(mm)	Standard Length	Screw Holes	Holes Numbers	Suitable Product
ALC31S02-035	32.98*30.28	35mm	Φ4.0mm	2	SF31
ALC31S02-100		1000mm	⬭4.0mm	2	SF31
ALC31S02-200		2000mm	⬭4.0mm	4	SF31

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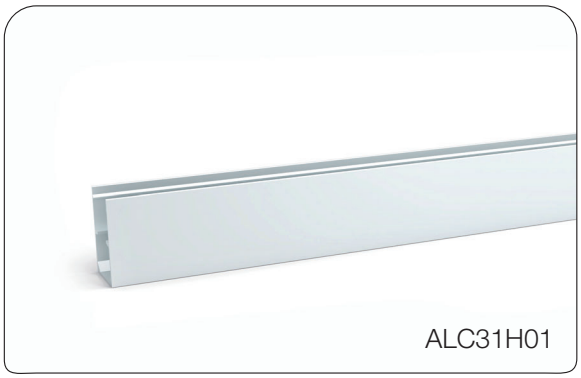
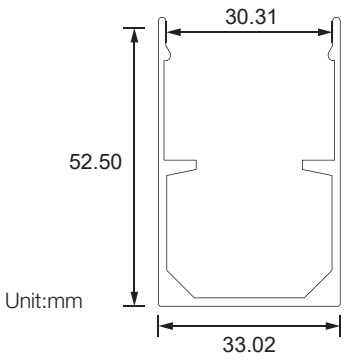
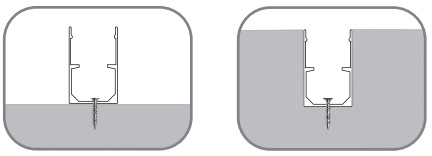
LED Linear Flex Mounting Channel

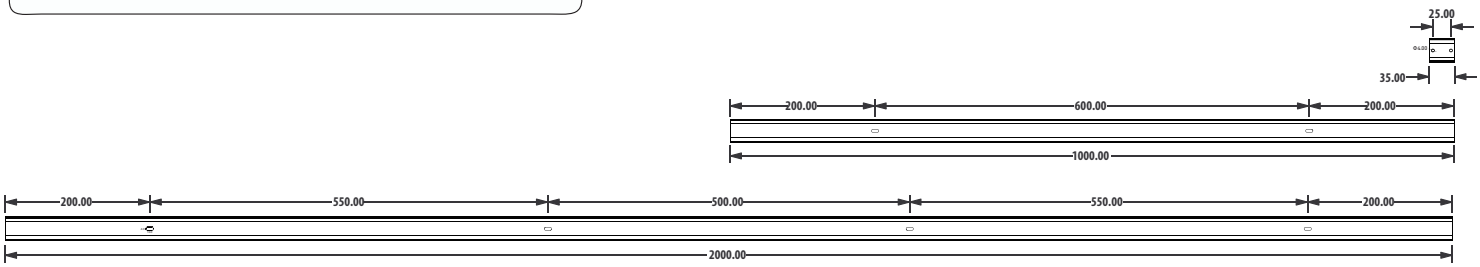


Dimension



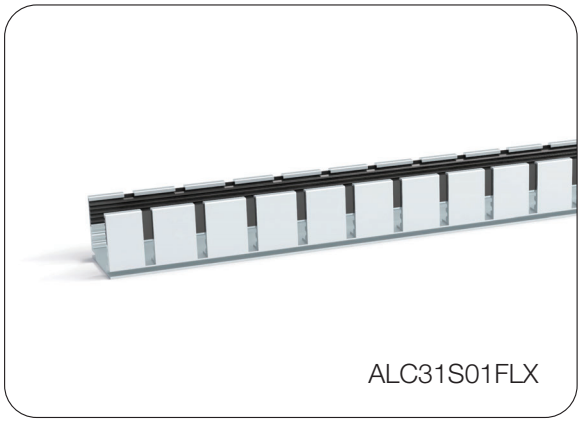
Installation Way



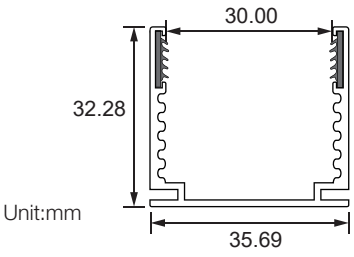


Model	W x H(mm)	Standard Length	Screw Holes	Holes Numbers	Suitable Product
ALC31H01-035	33.02*52.50	35mm	Φ4.0mm	2	SF31
ALC31H01-100		1000mm	⬭4.0mm	2	SF31
ALC31H01-200		2000mm	⬭4.0mm	4	SF31

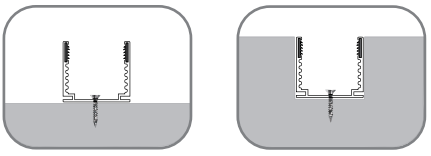
2. Flexible Aluminum Channel



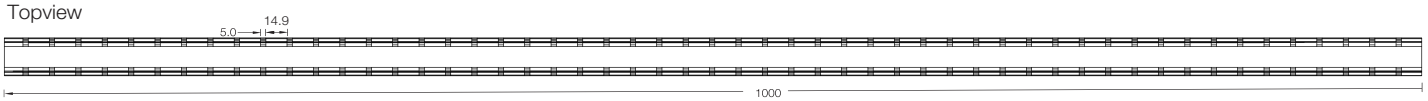
Dimension



Installation Way



Topview



Model	W x H(mm)	Standard Length	Suitable Product
ALC31S01FLX-05	35.69*32.28	500mm	SF31
ALC31S01FLX-10		1000mm	SF31

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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
SF31	8.5m	1	85*73*6cm	12.8kg				
		2	85*73*11cm	24.4kg				
SF41	8.5m	1	85*73*6cm	11.9kg				
		2	85*73*11cm	22.7kg				