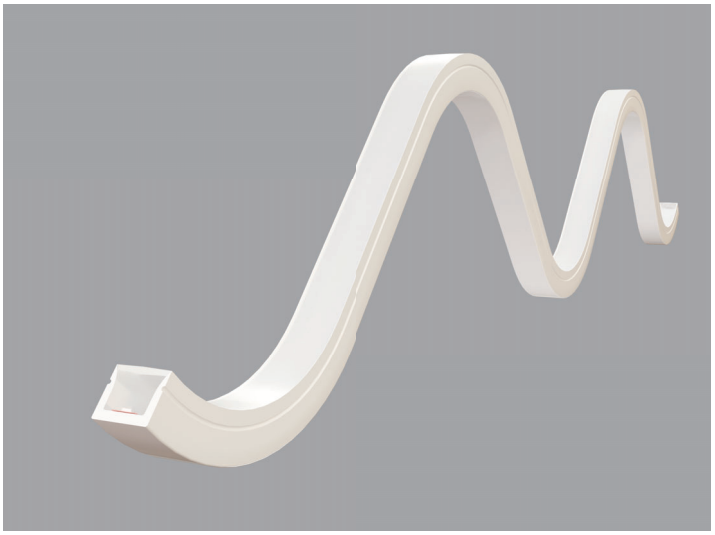
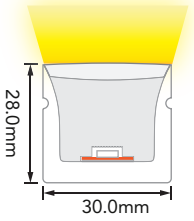
# SF31 DMX Pixel Chasing RGBW Silicone LED Linear Flex

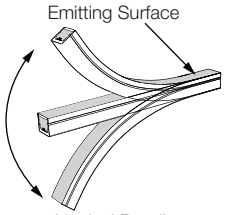
## SF31-24V-5050-70-DMX4-RGBW

### Specification

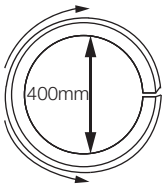




Dimension



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

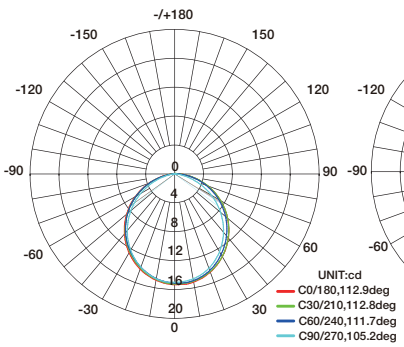
### Technical Parameters

| Electrical | |
|---|---|
| Input Voltage | 24V DC |
| Power Consumption | 18W/m |
| **Physical** | |
| LED Count | 70 LEDs/m |
| Cutting Unit | 7 LEDs |
| Cutting Unit Length | 100mm |
| Minimum Bend Diameter | 400mm |
| **Output** | |
| LED Light | Epistar SMD LED 5050 |
| Color | RGBW(2700K/3000K/4000K/5000K) |
| Working Mode | DMX (RS485) |
| Pixels Quantity | 10 Pixels/m |
| IC Chips | UCS512 |
| Max Run Length* | |
| Single Feed | 8 M |
| Double Feed | 16 M |
| Beam Angle | 270° |
| Lumen Maintenance | 70,000 Hours L70 @ 25°C<br>50,000 Hours L70 @ 50°C |

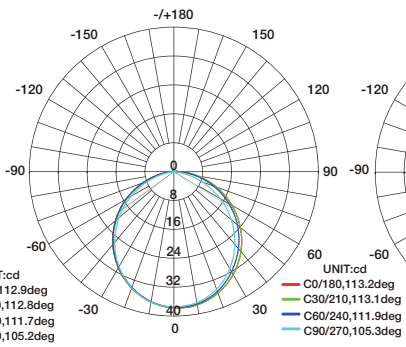
| Emitting Color |
|---|
| Red |
| Green |
| Blue |
| RGBW |
| 3000K |

| 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 |

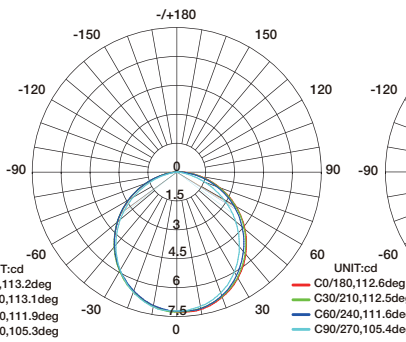
### Illuminance Distribution



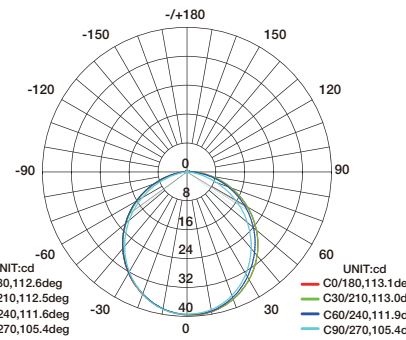
AVERAGE BEAM ANGLE(50%):110.7DEG
Red



AVERAGE BEAM ANGLE(50%):110.9 DEG
Green



AVERAGE BEAM ANGLE(50%):110.5 DEG
Blue



AVERAGE BEAM ANGLE(50%):110.8 DEG
3000K

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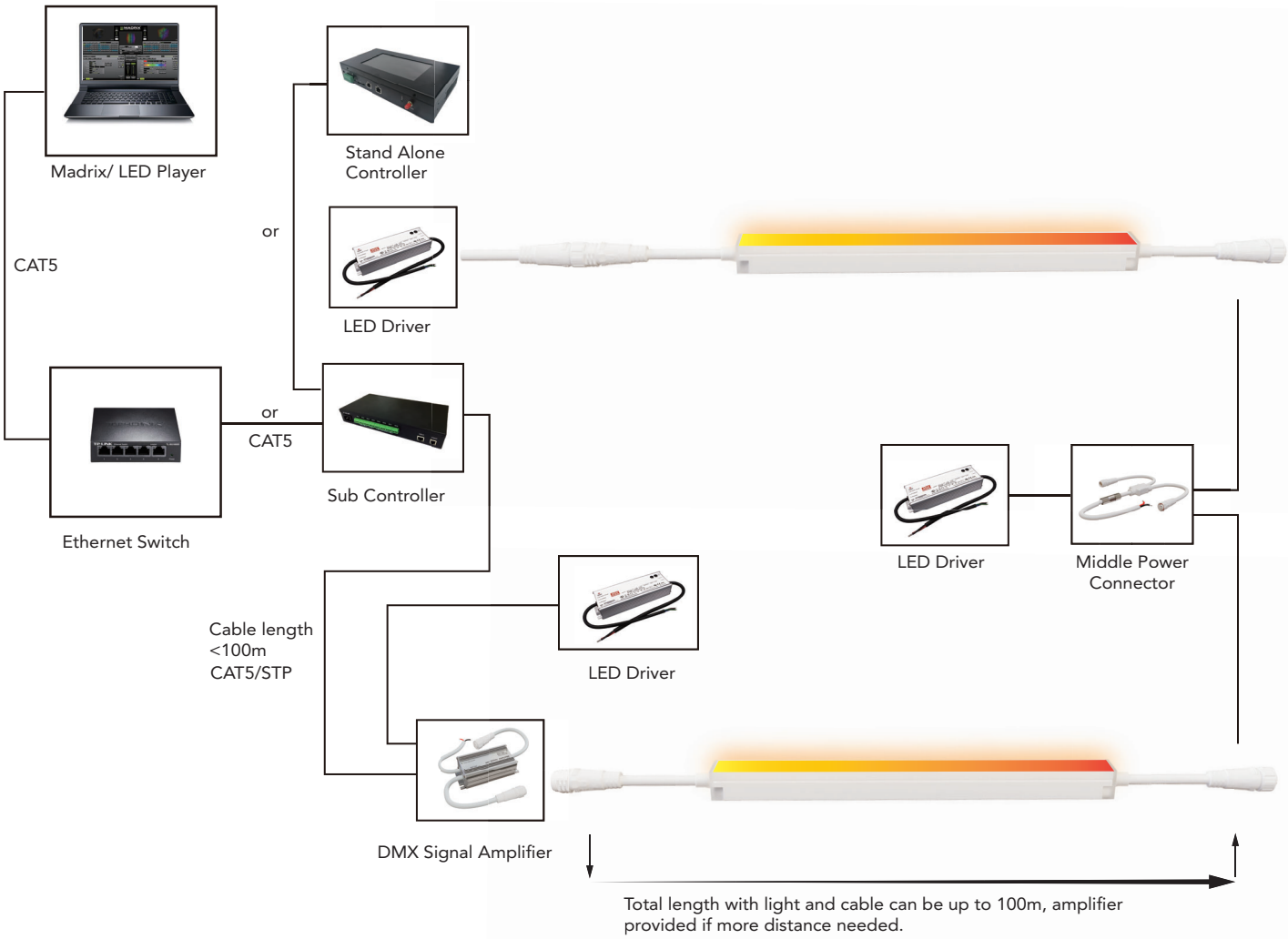
# SF31 DMX Pixel Chasing RGBW Silicone LED Linear Flex

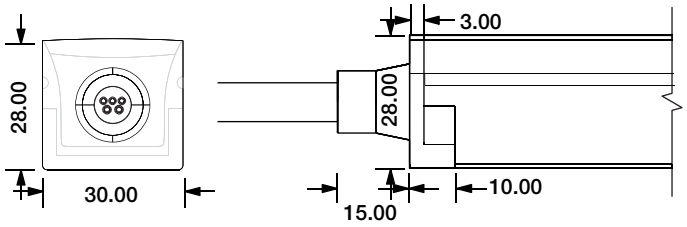
## Connection

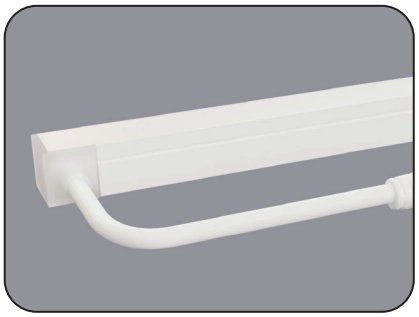


# SF31 Configuration and Accessories

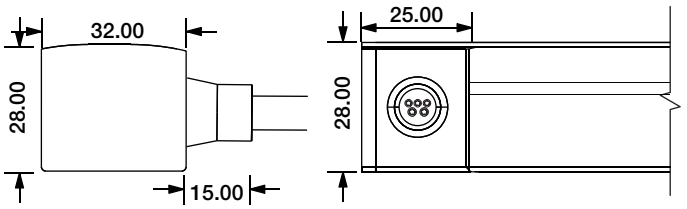
Mold injection Connector (IP68 Factory Assembly Only)

Direct Entry Connector
MJ-SF31-D5-D02SM
MJ-SF31-D5-D03SFM

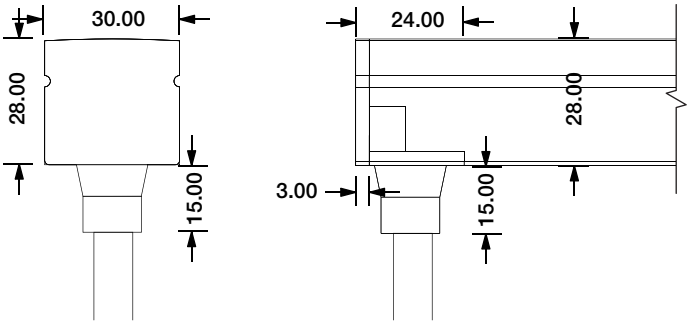


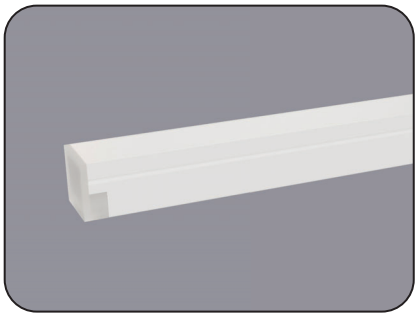



Side Entry Connector
MJ-SF31-D5-S02SM
MJ-SF31-D5-S03SFM

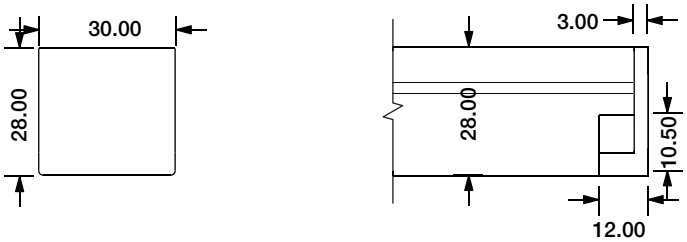


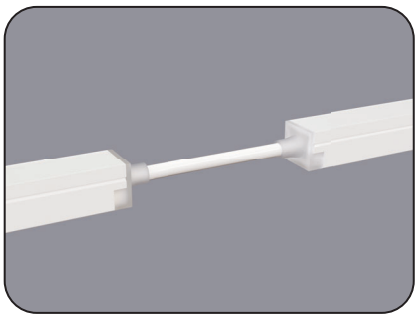
Bottom Entry Connector
MJ-SF31-D5-B02SM
MJ-SF31-D5-B03SFM



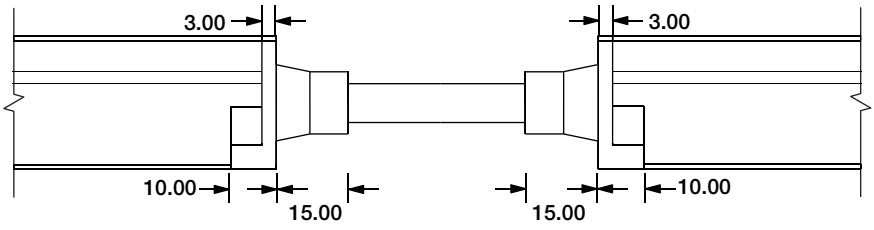



End Cap

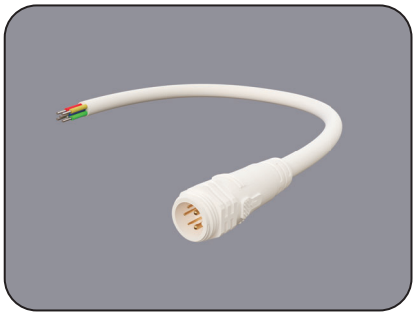


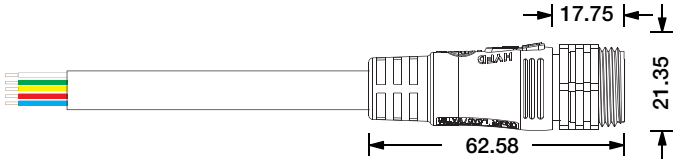
Jumper
MJ-SF31-D5-D-JC



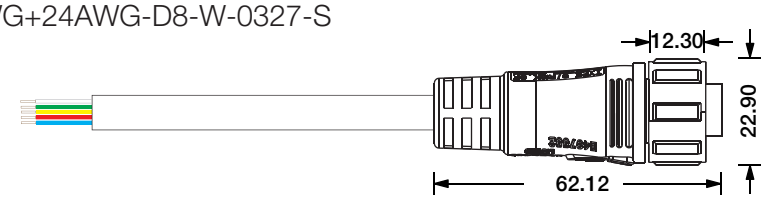
# SF31Configuration and Accessories

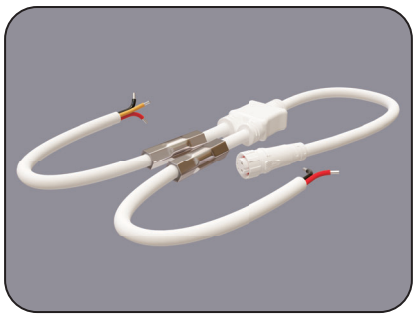


Male Connector
SQ19-M-5C-15AWG+24AWG-D8-W-0327-S

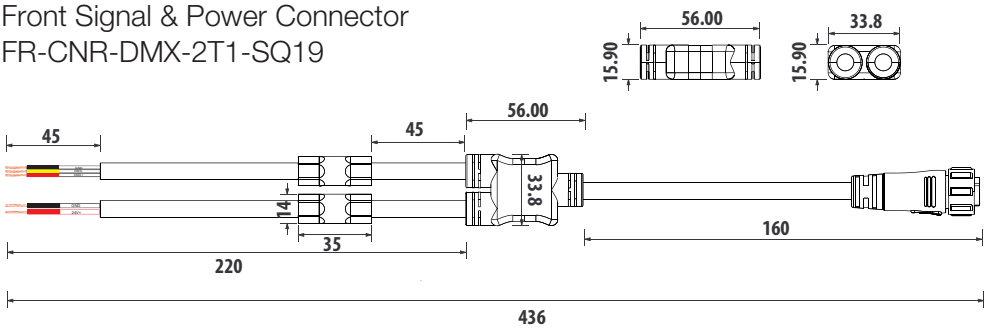


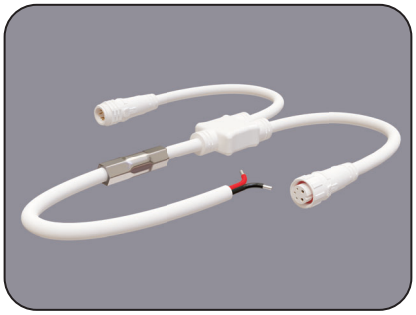
Female Connector
SQ19-F-5C-15AWG+24AWG-D8-W-0327-S



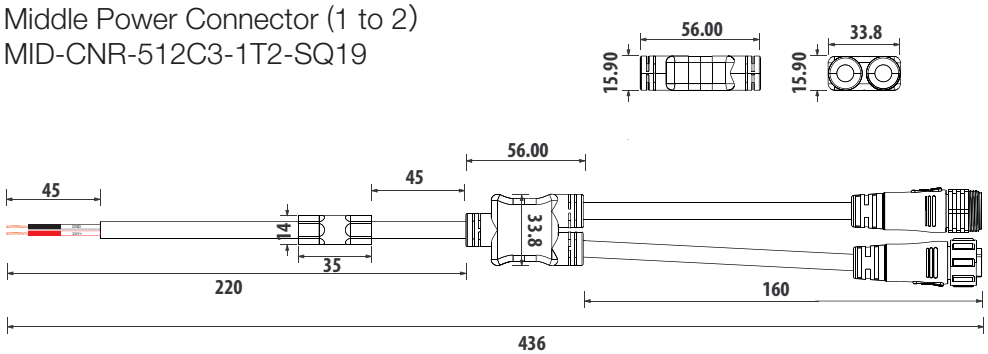



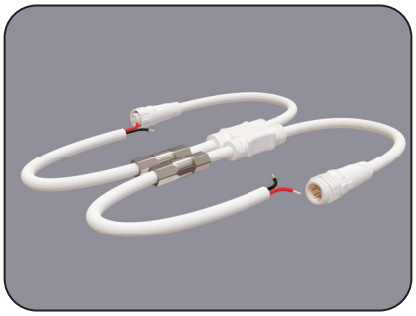
Front Signal & Power Connector
FR-CNR-DMX-2T1-SQ19



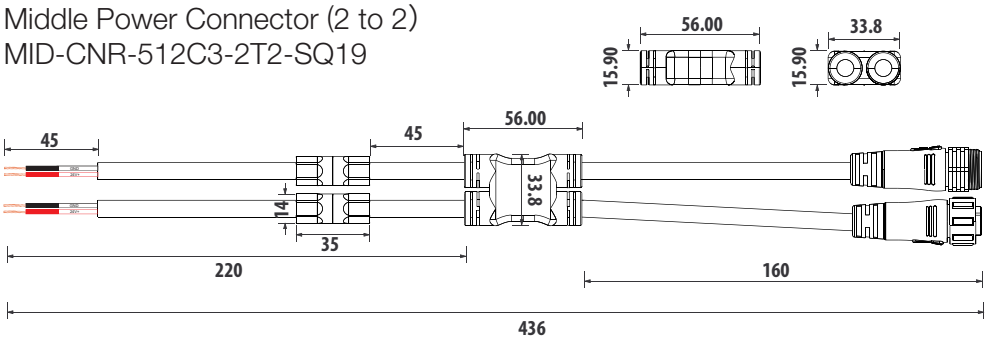



Middle Power Connector (1 to 2)
MID-CNR-512C3-1T2-SQ19



Middle Power Connector (2 to 2)
MID-CNR-512C3-2T2-SQ19

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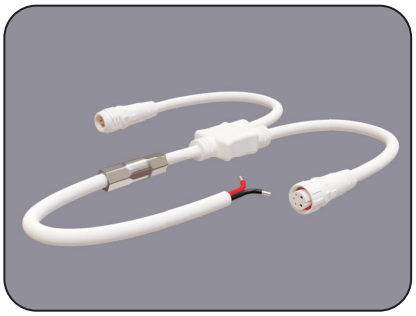
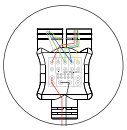
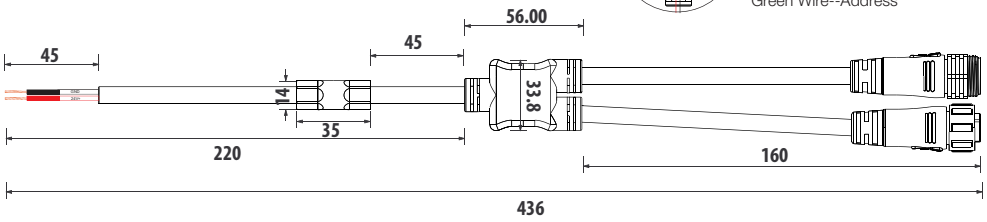
# SF31Configuration and Accessories



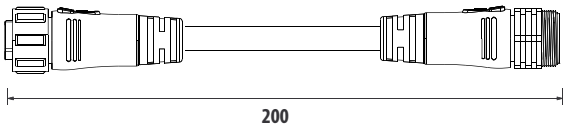
Middle Signal Connector
MID-SIG-CNR-512C3-1T2-SQ19



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

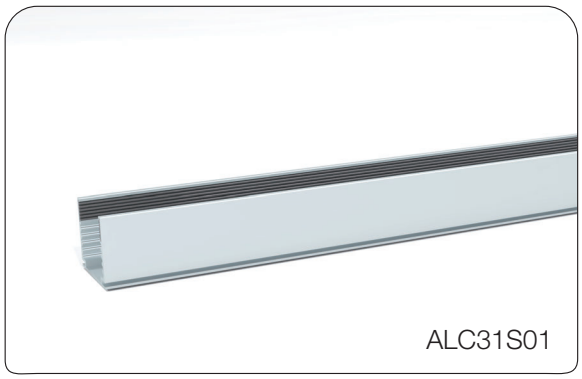


Positive Disconnected Connector Cable
SQ19-EXT-SIG-5C-20AWG-D6-W-020

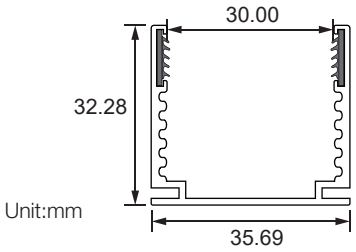


# LED Linear Flex Mounting Channel

## 1. Aluminum Channel

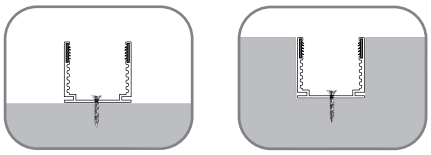


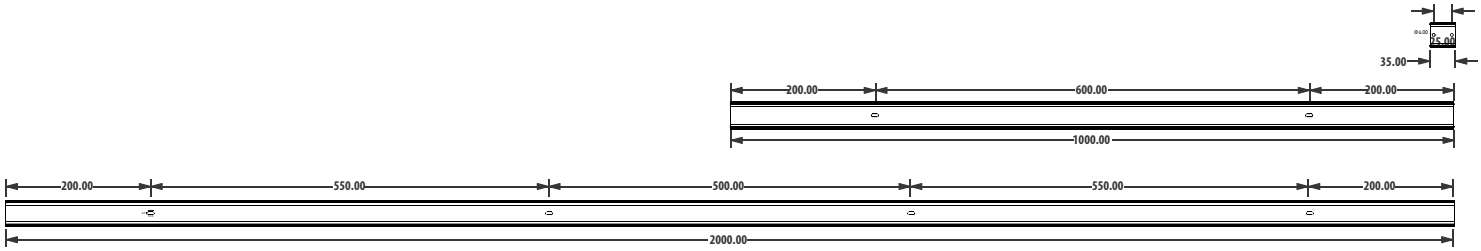

Dimension



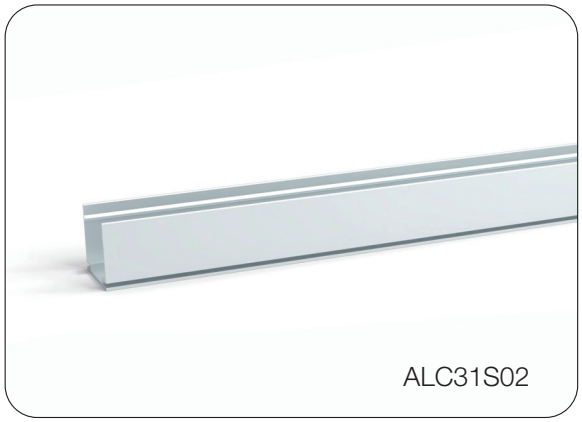

Unit:mm

Installation Way

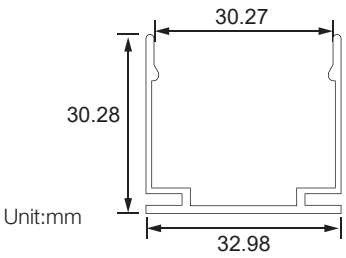



| Model | W x H(mm) | Standard Length | Screw Holes | Holes Numbers | Suitable Product |
|---|---|---|---|---|---|
| ALC31S01-035 | 35.69*32.28 | 35mm | Φ4.0mm | 2 | SF31 |
| ALC31S01-100 | | 1000mm | ⬭4.0mm | 2 | SF31 |
| ALC31S01-200 | | 2000mm | ⬭4.0mm | 4 | SF31 |

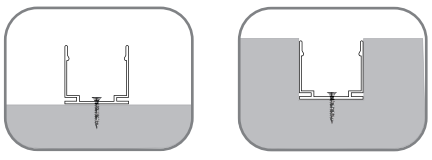


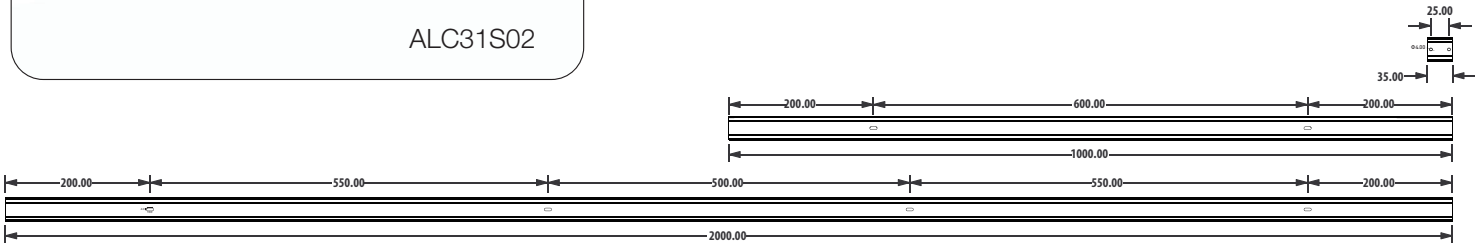

Dimension




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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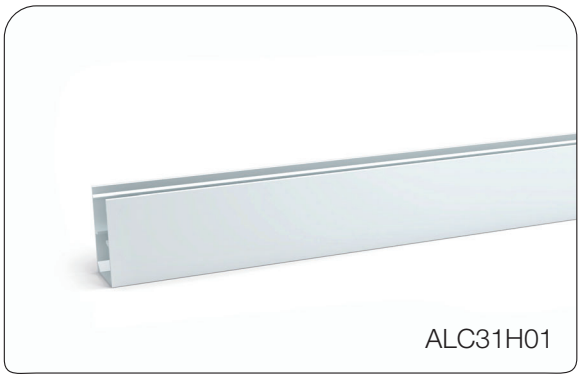
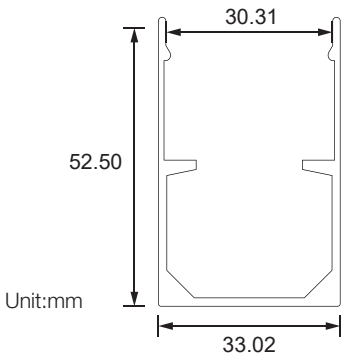
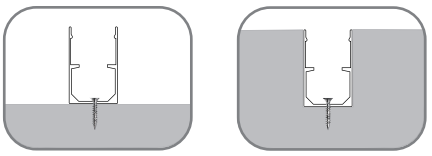
# LED Linear Flex Mounting Channel

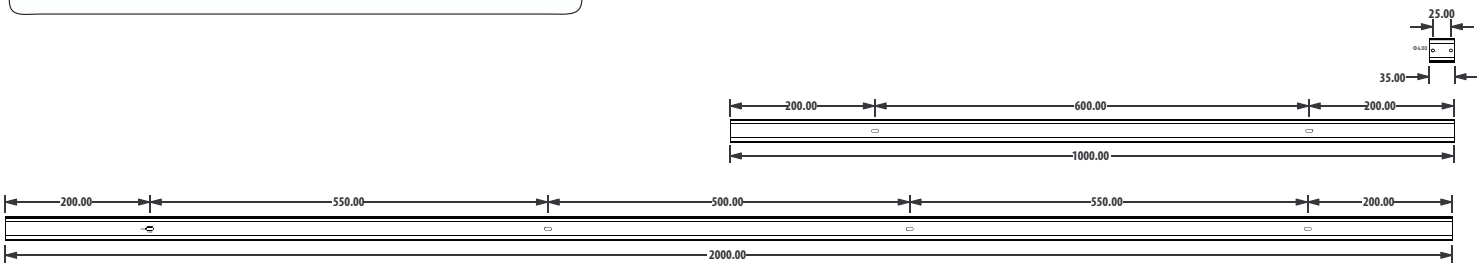



Dimension



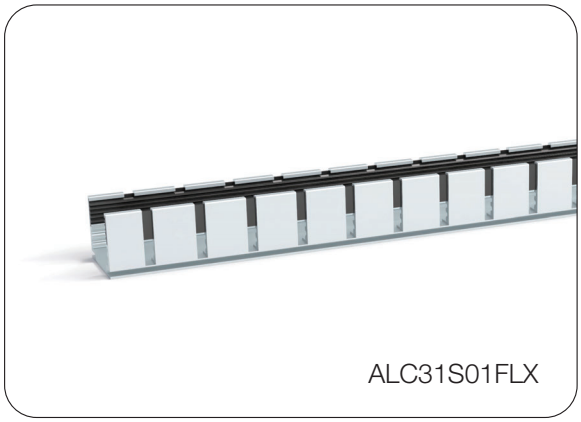

Installation Way



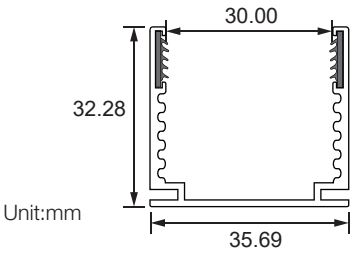




| Model | W x H(mm) | Standard Length | Screw Holes | Holes Numbers | Suitable Product |
|---|---|---|---|---|---|
| ALC31H01-035 | 33.02*52.50 | 35mm | Φ4.0mm | 2 | SF31 |
| ALC31H01-100 | | 1000mm | ⬭4.0mm | 2 | SF31 |
| ALC31H01-200 | | 2000mm | ⬭4.0mm | 4 | SF31 |

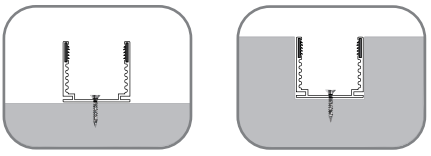
## 2. Flexible Aluminum Channel



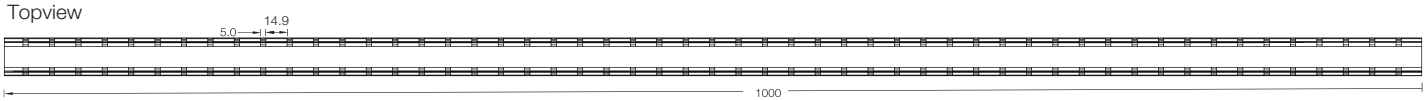

Dimension




Installation Way




Topview




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

Lighting OLYMPIA

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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 | | | | |