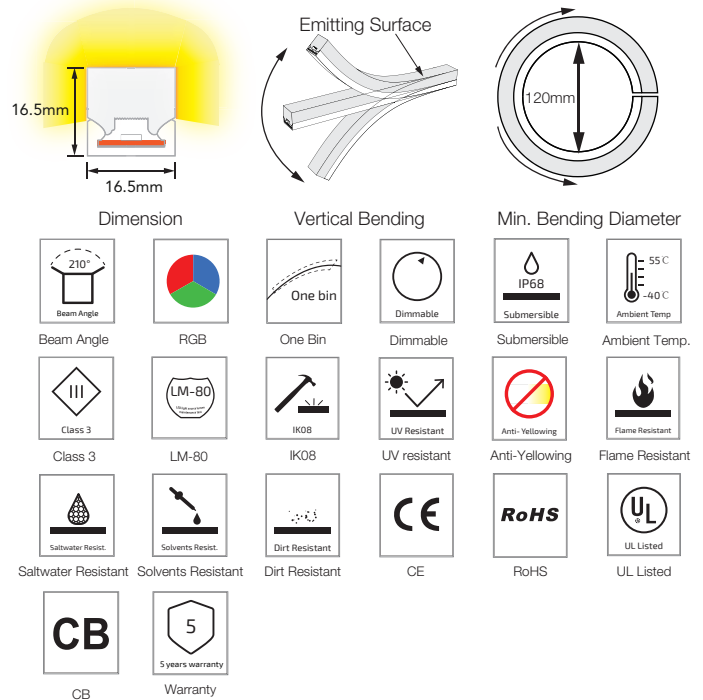
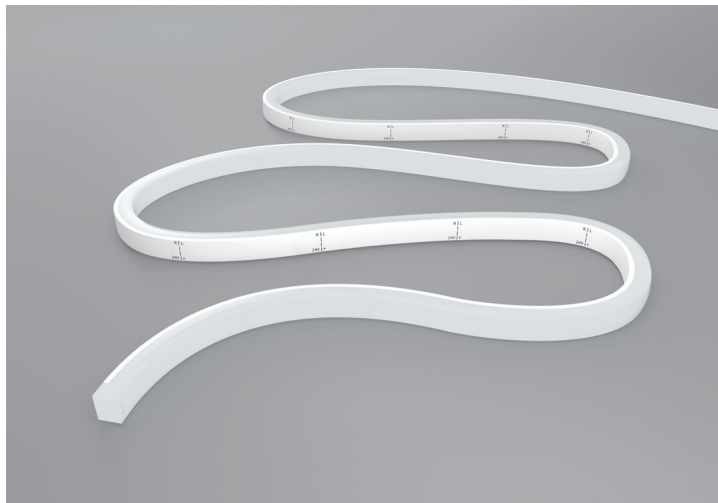


# SF18 Multi Color RGB Silicone LED Linear Flex

## SF18-24V-5050-72-RGB

### Specification

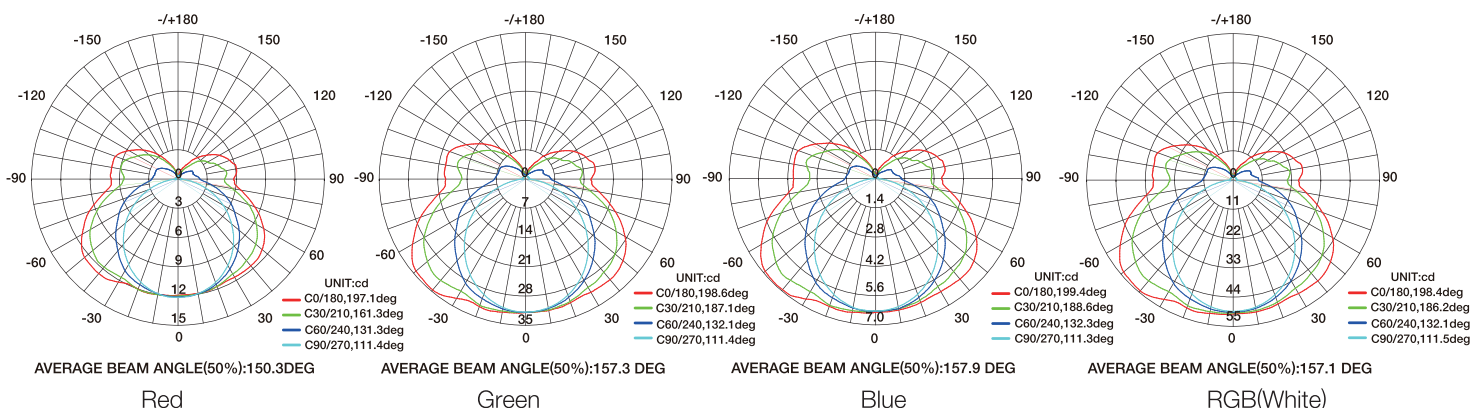


### Technical Parameters

| Electrical            |                                                    |
|-----------------------|----------------------------------------------------|
| Input Voltage         | 24V DC                                             |
| Power Consumption     | 13W/m                                              |
| Physical              |                                                    |
| LED Count             | 72 LEDs/m                                          |
| Cutting Unit          | 6 LEDs                                             |
| Cutting Unit Length   | 83.3mm                                             |
| Minimum Bend Diameter | 120mm                                              |
| Output                |                                                    |
| LED Light             | Epistar SMD LED 5050                               |
| Color                 | RGB                                                |
| Max Run Length*       |                                                    |
| Single Feed           | 10 M                                               |
| Double Feed           | 20 M                                               |
| Beam Angle            | 210°                                               |
| Lumen Maintenance     | 70,000 Hours L70 @ 25°C<br>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                  |

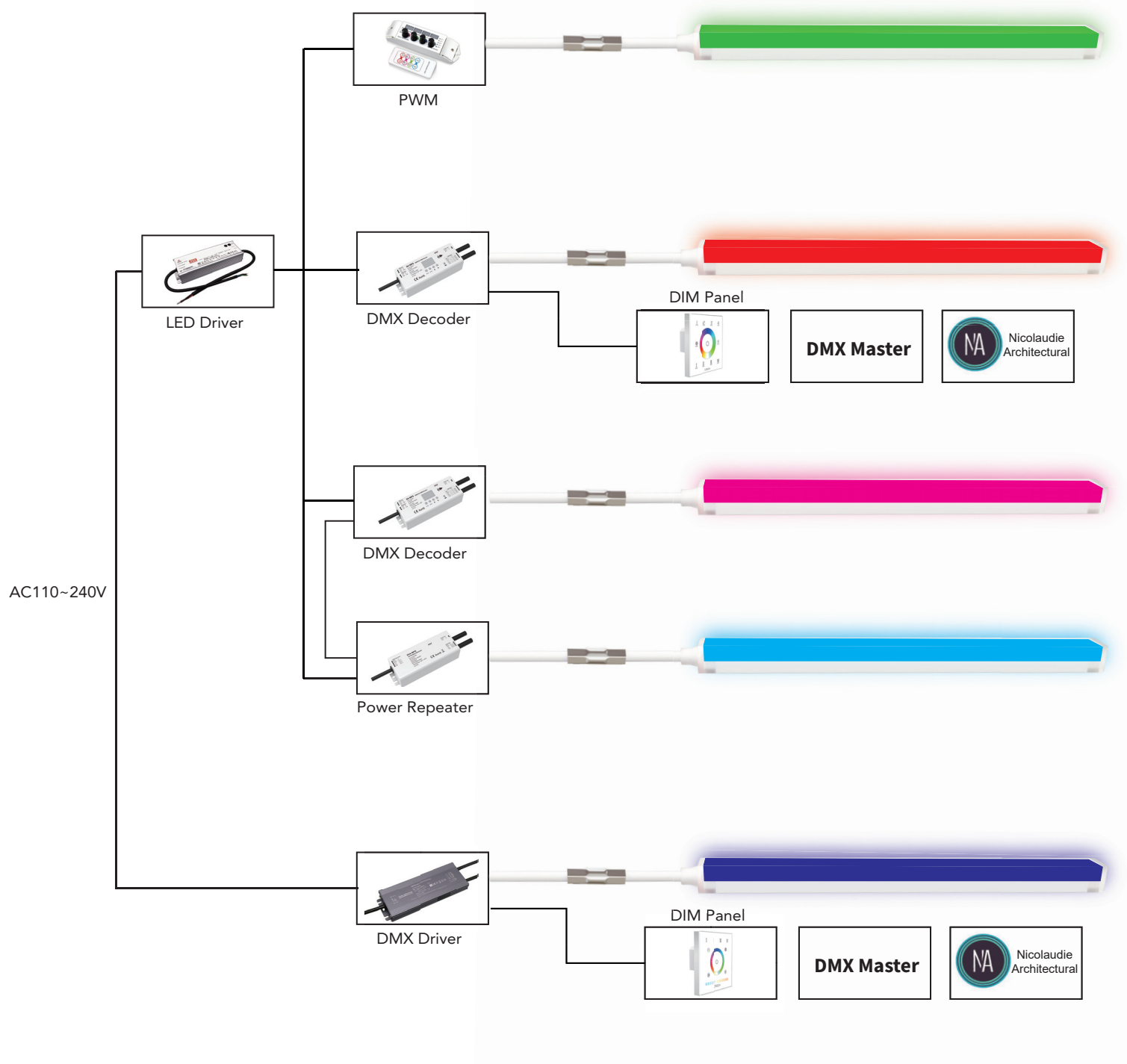
| Emitting Color                                                                       |            | Lumen Output |
|--------------------------------------------------------------------------------------|------------|--------------|
|    | Red        | 66lm/m       |
|   | Green      | 178lm/m      |
|  | Blue       | 35lm/m       |
|  | RGB(White) | 277lm/m      |

### Illuminance Distribution



# SF18 Multi Color RGB Silicone LED Linear Flex

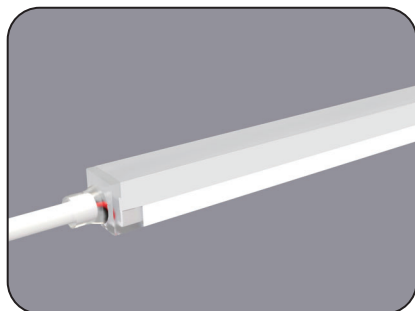
## Connection



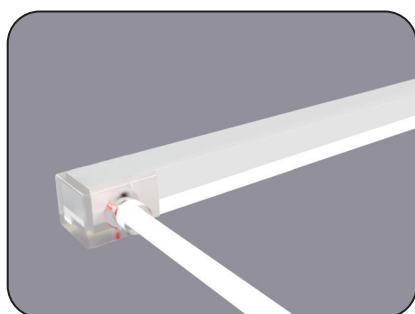
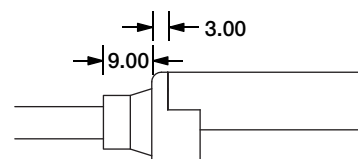
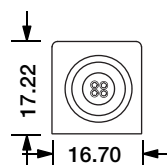
# SF18 Configuration and Accessories

Mold injection Connector

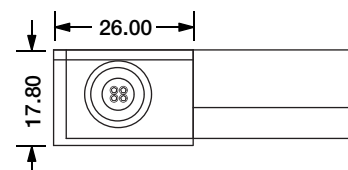
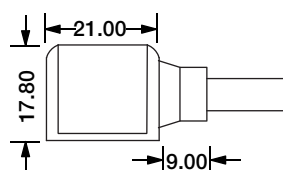
(IP68 Factory Assembly Only)



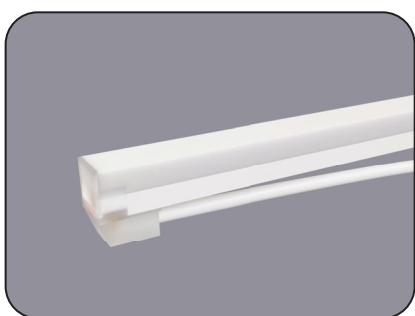
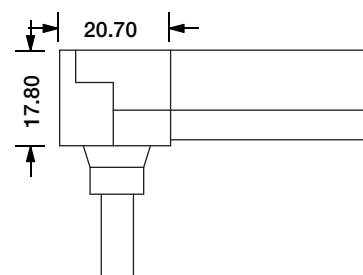
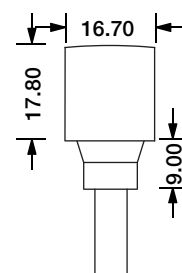
Direct Entry Connector  
MJ-SF18-RGB-D01/02/03  
MJ-SF18-RGB-D01SM  
MJ-SF18-RGB-D02SF  
MJ-SF18-RGB-D03SFM



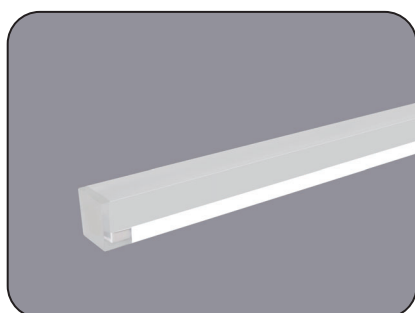
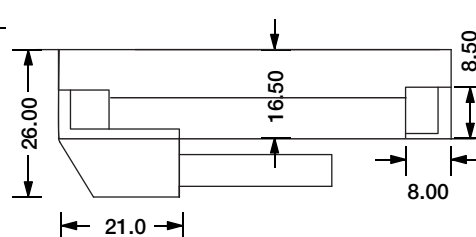
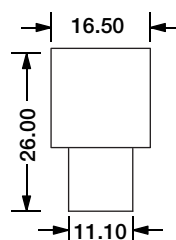
Side Entry Connector  
MJ-SF18-RGB-S01/02/03  
MJ-SF18-RGB-S01SM  
MJ-SF18-RGB-S02SF  
MJ-SF18-RGB-S03SFM



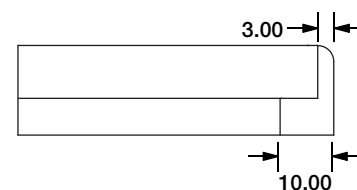
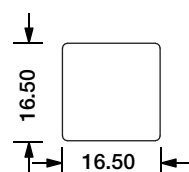
Bottom Entry Connector  
MJ-SF18-RGB-B01/02/03  
MJ-SF18-RGB-B01SM  
MJ-SF18-RGB-B02SF  
MJ-SF18-RGB-B03SFM



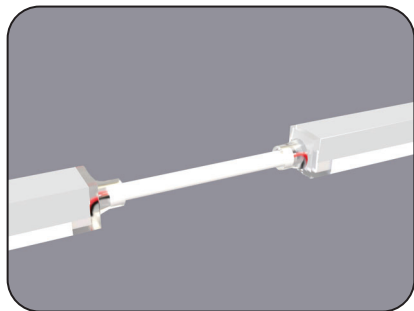
L Shape Entry Connector  
MJ-SF18-RGB-L01/02/03  
MJ-SF18-RGB-L01SM  
MJ-SF18-RGB-L02SF  
MJ-SF18-RGB-L03SFM



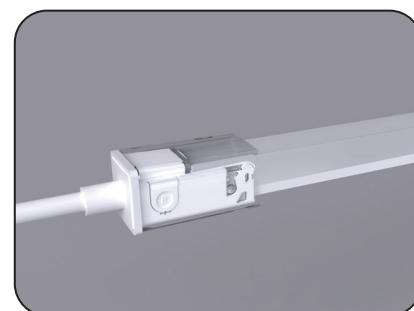
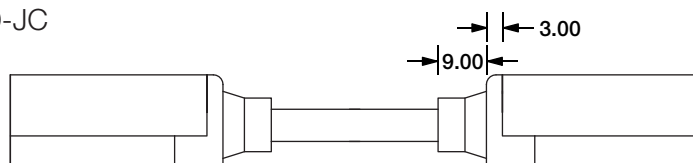
End Cap



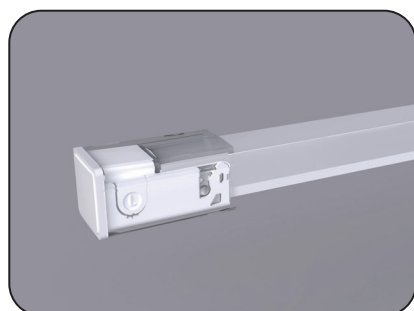
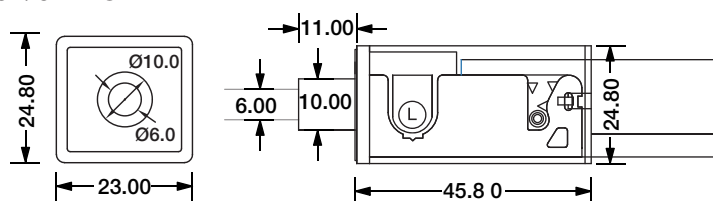
# SF18 Configuration and Accessories



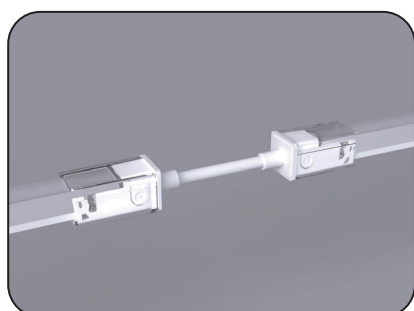
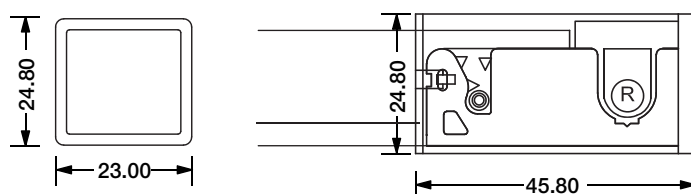
Jumper  
MJ-SF18-RGB-D-JC



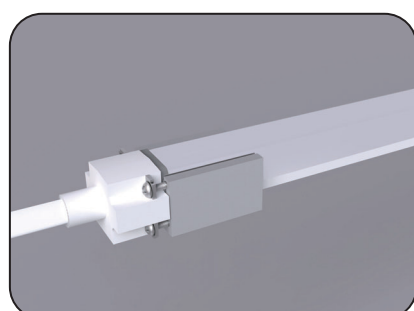
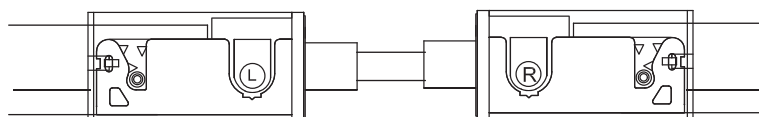
DIY Snap Connector  
DIY-SN-FR-16-D-01/02-RGB



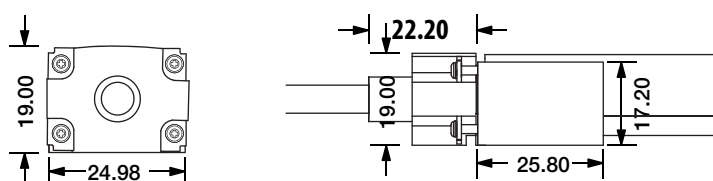
DIY Snap End Cap  
DIY-SN-END-16-D-01/02



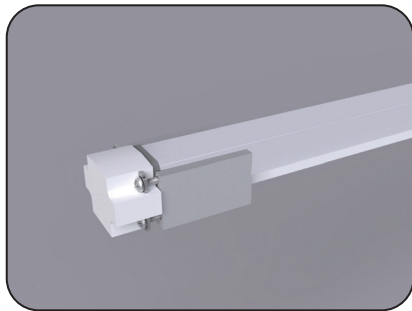
DIY Snap Extent Connector  
DIY-SN-EXT-16-RGB



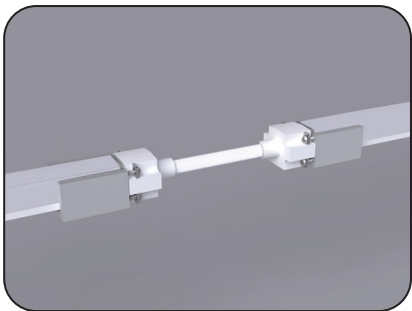
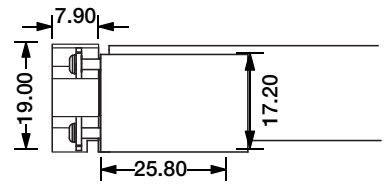
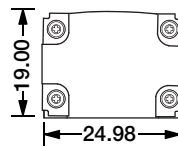
DIY Screw Connector  
DIY-SC-FR-16-D-01/02-RGB



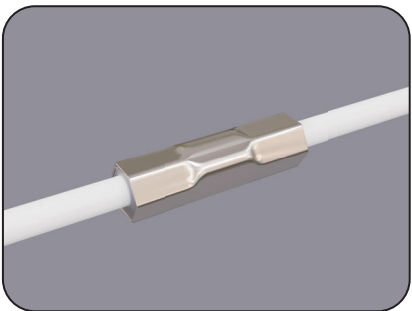
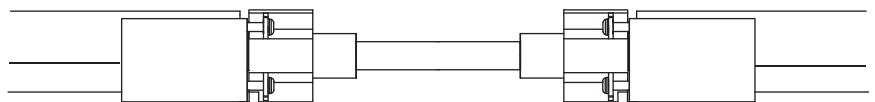
# SF18 Configuration and Accessories



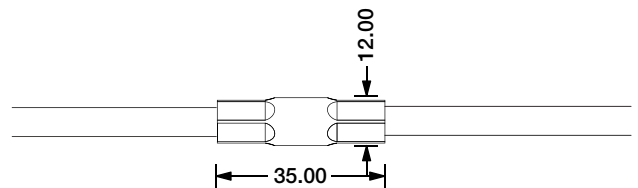
DIY Screw End Cap  
DIY-SC-END-16



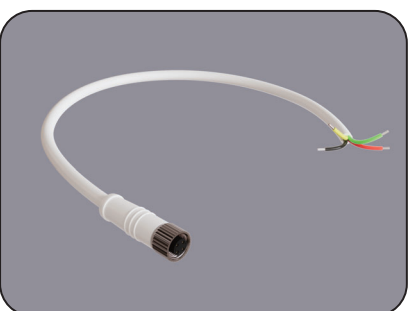
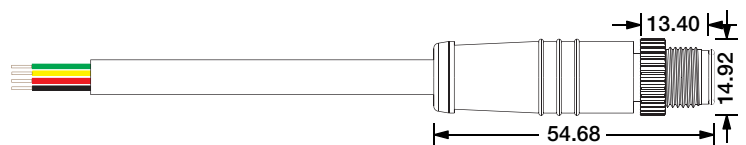
DIY Screw Extent Connector  
DIY-SC-EXT-16-RGB



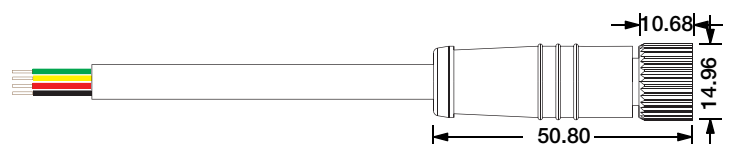
Waterproof Interrupter



Male Connector  
M12-M-4C-20AWG-D6-W-0327-S



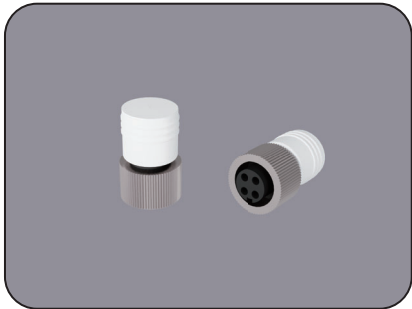
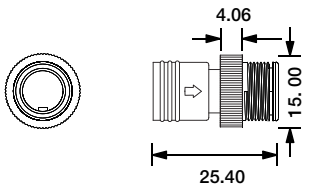
Female Connector  
M12-F-4C-20AWG-D6-W-0327-S



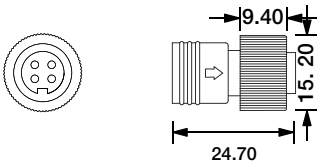
# SF18 Configuration and Accessories



Male Connector End Cap  
SYZ-EC-M12-M

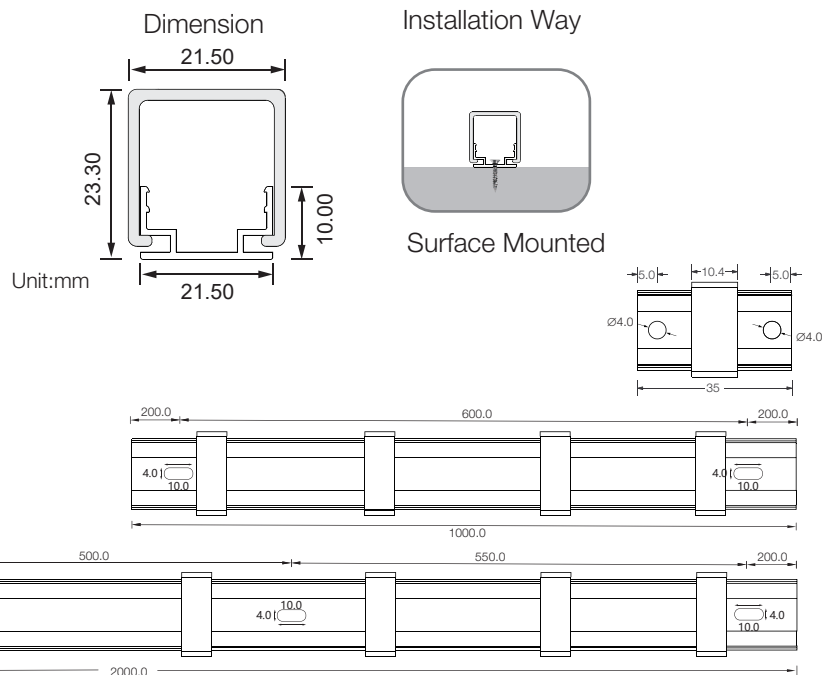
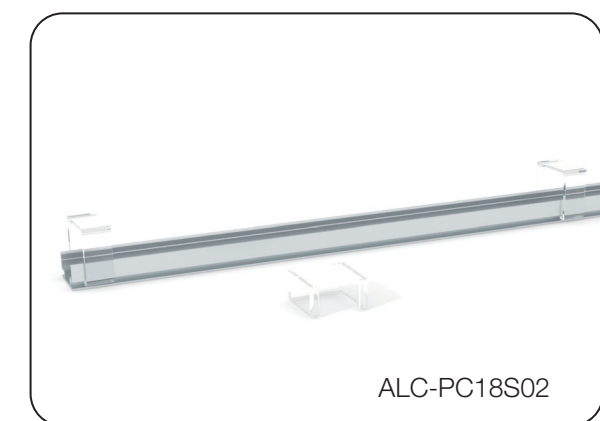


Female Connector End Cap  
SYZ-EC-M12-F-4C



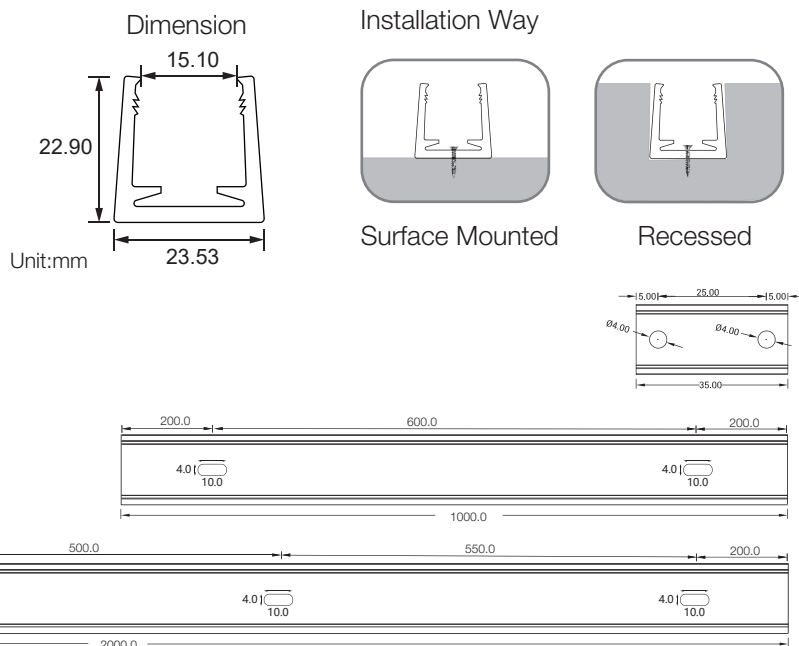
# LED Linear Flex Mounting Channel

## 1. Aluminum Channel



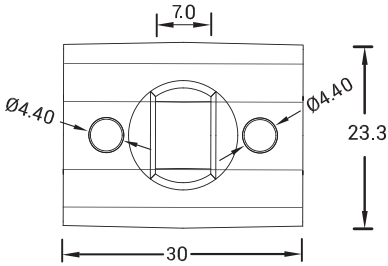
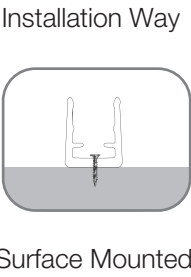
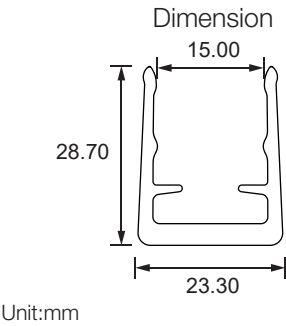
| Model           | W x H(mm) | Standard Length | Screw Holes | Plastic Clips | Suitable Product |
|-----------------|-----------|-----------------|-------------|---------------|------------------|
| ALC-PC18S02-035 | 21.5*23.3 | 35mm            | Φ4.0mm*2    | 1             | SF18             |
| ALC-PC18S02-100 |           | 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<br>Max. Length | Quantity<br>(Plate) | Carton Size | Gross<br>Weight | Packing 2<br>Max. Length | Quantity<br>(Plate) | Carton Size | Gross<br>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          |