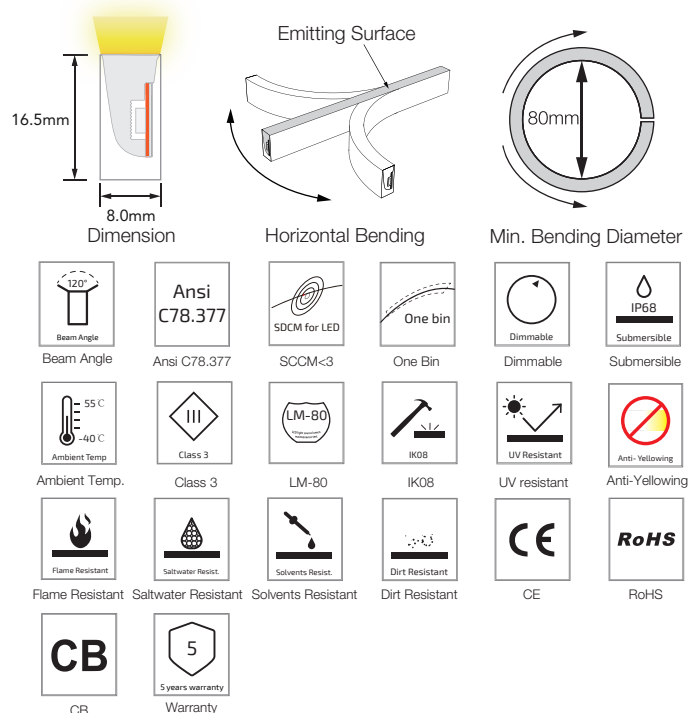
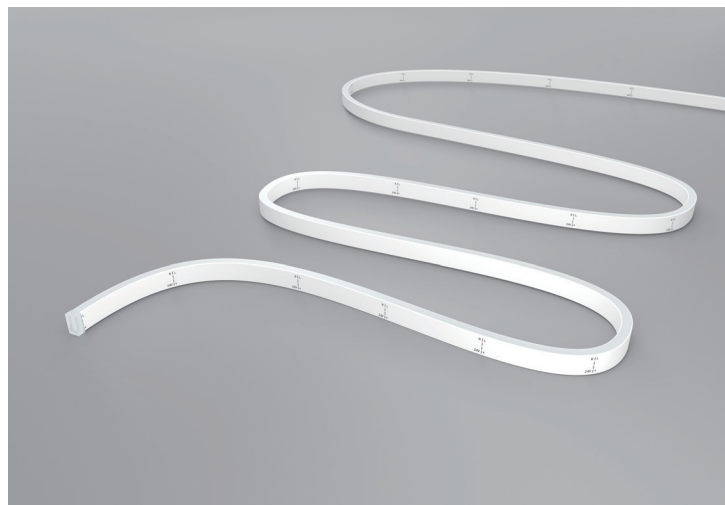


# SF09 Tunable White Silicone LED Linear Flex

SF09-24V-2835-120-DW

## Specification

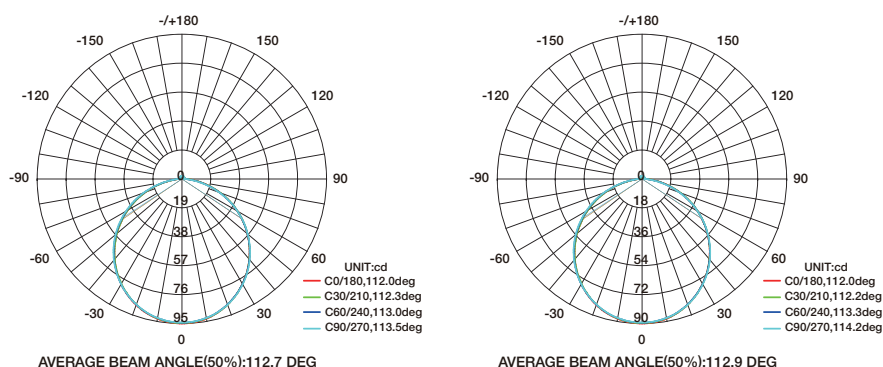


## Technical Parameters

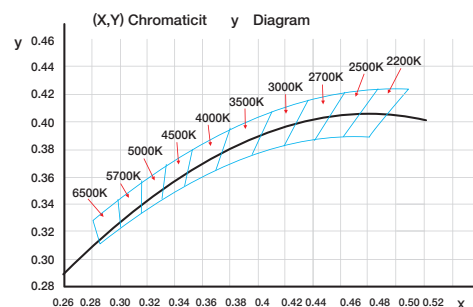
| Electrical            |                                                    |
|-----------------------|----------------------------------------------------|
| Input Voltage         | 24V DC                                             |
| Power Consumption     | 12W/m                                              |
| Physical              |                                                    |
| LED Count             | 120 LEDs/m                                         |
| Cutting Unit          | 12 LEDs                                            |
| Cutting Unit Length   | 100mm                                              |
| Minimum Bend Diameter | 80mm                                               |
| Output                |                                                    |
| LED Light             | Epistar SMD LED 2835                               |
| CRI                   | >80, >90                                           |
| Max Run Length*       |                                                    |
| Single Feed           | 8 M                                                |
| Double Feed           | 16 M                                               |
| Beam Angle            | 120°                                               |
| 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                  |

| Optional Color Combinations | Lumen Output    |
|-----------------------------|-----------------|
| 2200K+5700K                 | 240lm/m+280m/m  |
| 2700K+5700K                 | 250m/m+280lm/m  |
| 3000K+5700K                 | 260lm/m+280lm/m |

## Illuminance Distribution

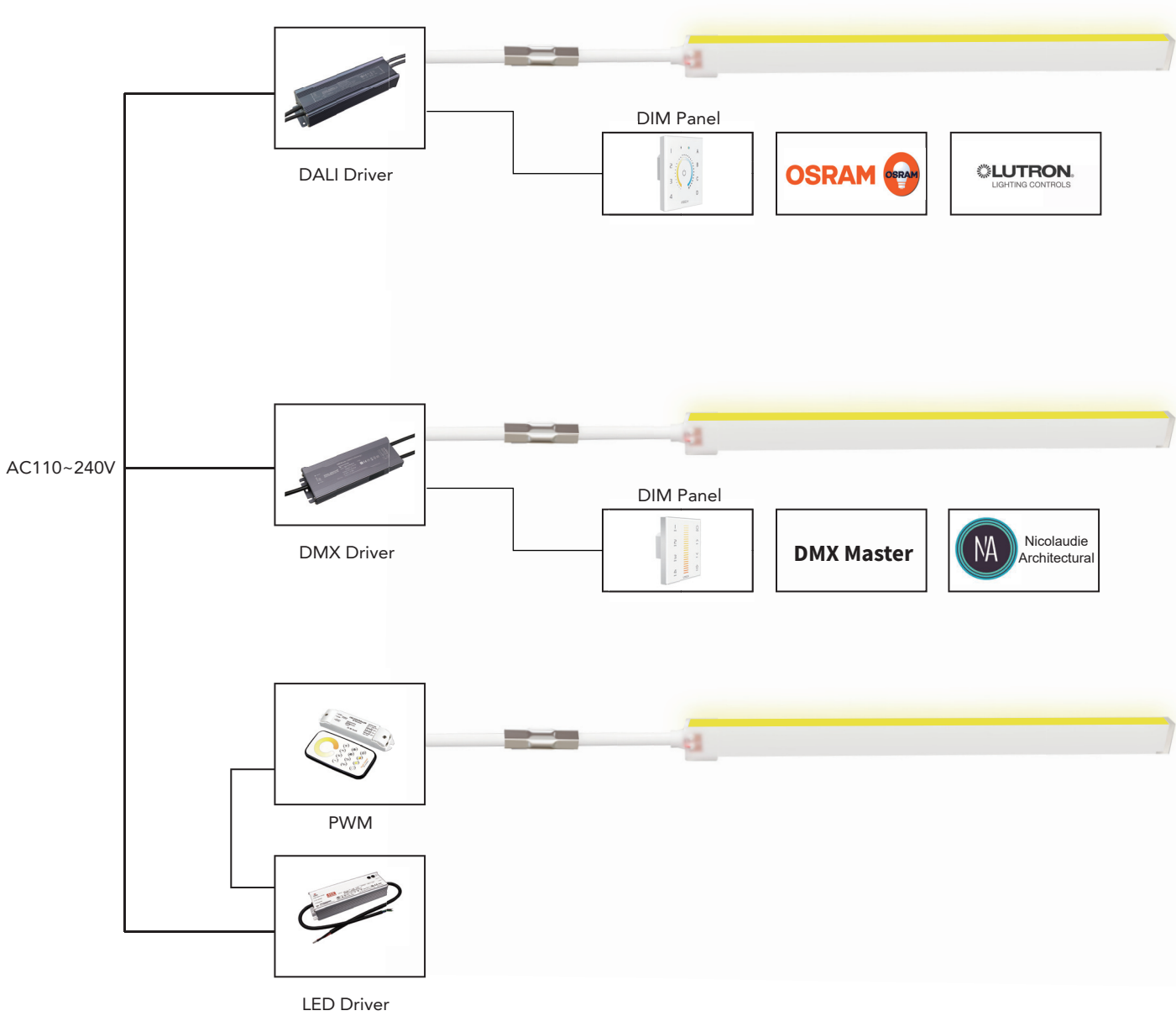


White Color Charts



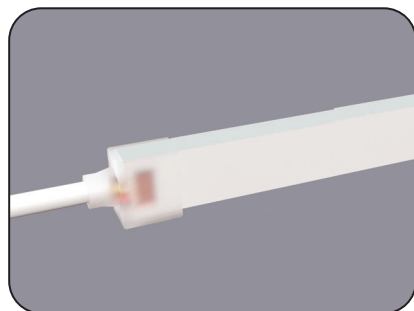
# SF09 Tunable White Silicone LED Linear Flex

## Connection

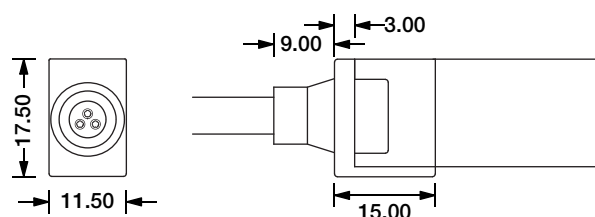


# SF09 Configuration and Accessories

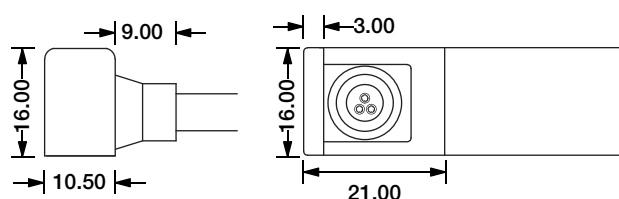
Mold Injection Connector (IP68 Factory Assembly Only)



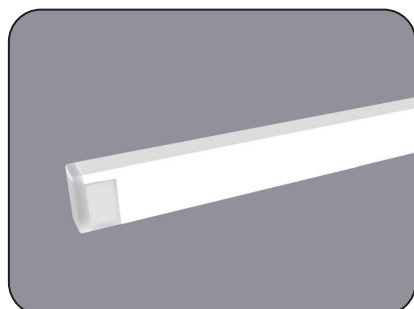
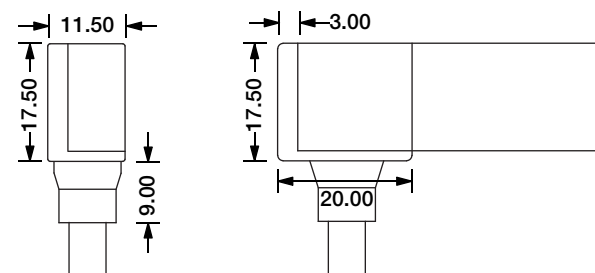
Direct Entry Connector  
MJ-SF09-DW-D01/02/03  
MJ-SF09-DW-D01SM  
MJ-SF09-DW-D02SF  
MJ-SF09-DW-D03SFM



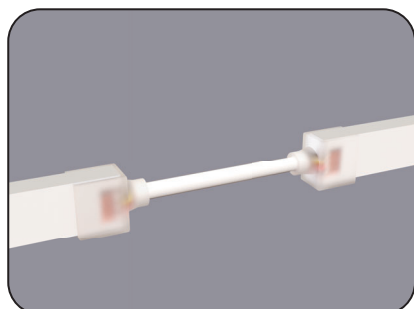
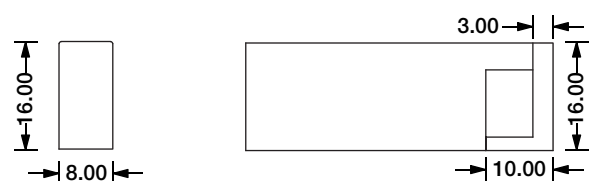
Side Entry Connector  
MJ-SF09-DW-S01/02/03  
MJ-SF09-DW-S01SM  
MJ-SF09-DW-S02SF  
MJ-SF09-DW-S03SFM



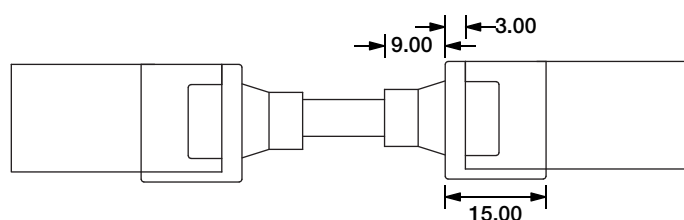
Bottom Entry Connector  
MJ-SF09-DW-B01/02/03  
MJ-SF09-DW-B01SM  
MJ-SF09-DW-B02SF  
MJ-SF09-DW-B03SFM



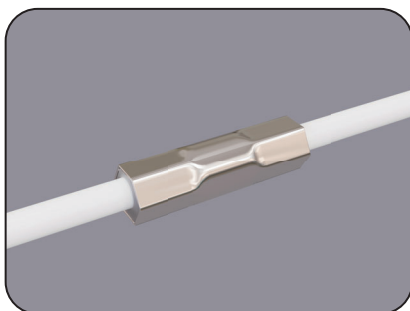
End Cap



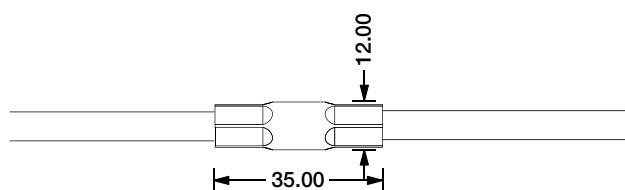
Jumper  
MJ-SF09-DW-D-JC



# SF09 Configuration and Accessories



Waterproof Interrupter



Male Connector

M12-M-3C-20AWG-D5.5-W-0327-S



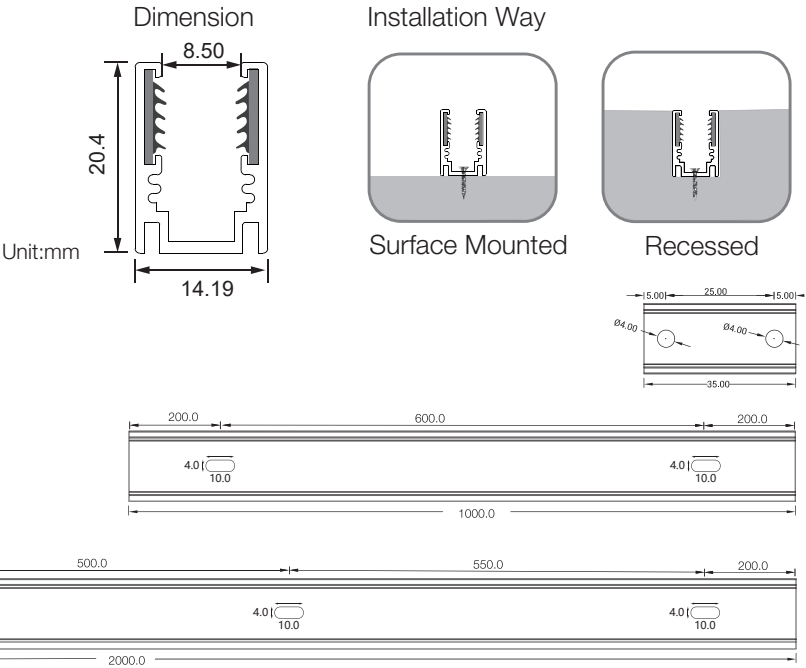
Female Connector

M12-F-3C-20AWG-D5.5-W-0327-S



# LED Linear Flex Mounting Channel

## 1. Aluminum Channel



| Model        | W x H(mm)  | Standard Length | Screw Holes | Holes Numbers | Suitable Product |
|--------------|------------|-----------------|-------------|---------------|------------------|
| ALC09S02-035 | 14.19*20.4 | 35mm            | Φ4.0mm      | 2             | SF09             |
| ALC09S02-100 |            | 1000mm          | ○4.0mm      | 2             | SF09             |
| ALC09S02-200 |            | 2000mm          | ○4.0mm      | 4             | SF09             |

# 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          |