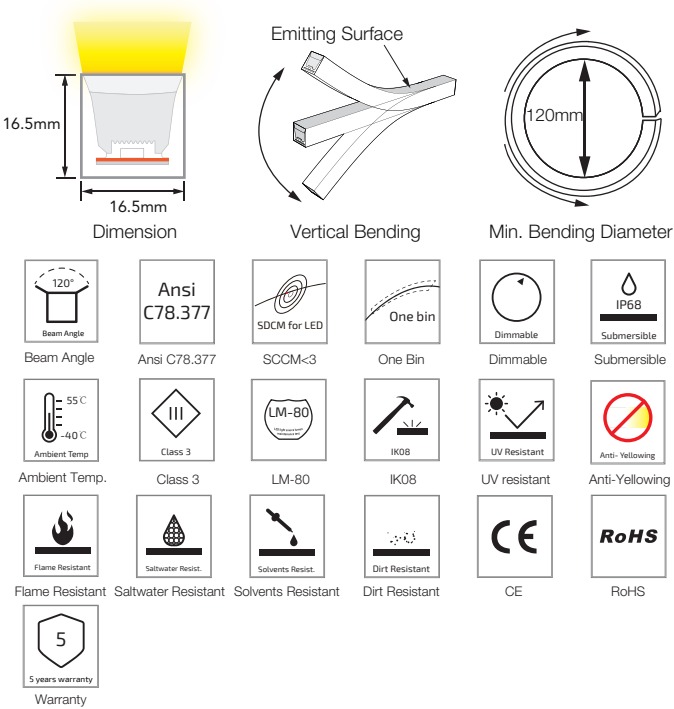
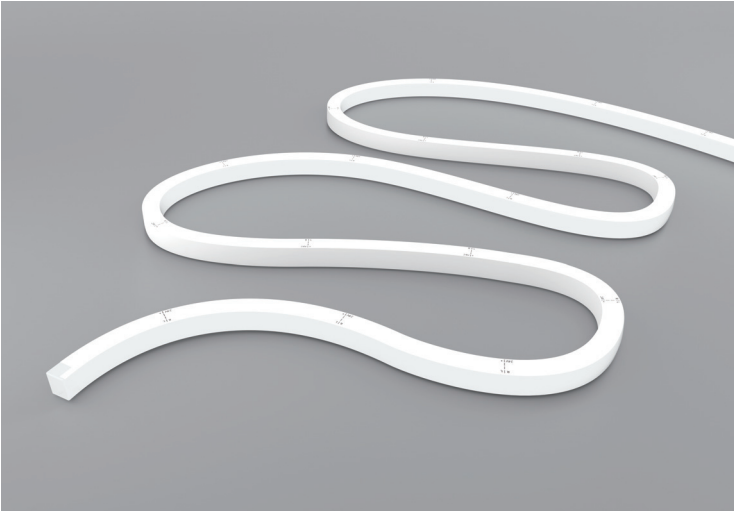


# SF16 Mono Color Silicone LED Linear Flex

SF16-48V-2835-96-CC-2200K~6500K-12W

## Specification

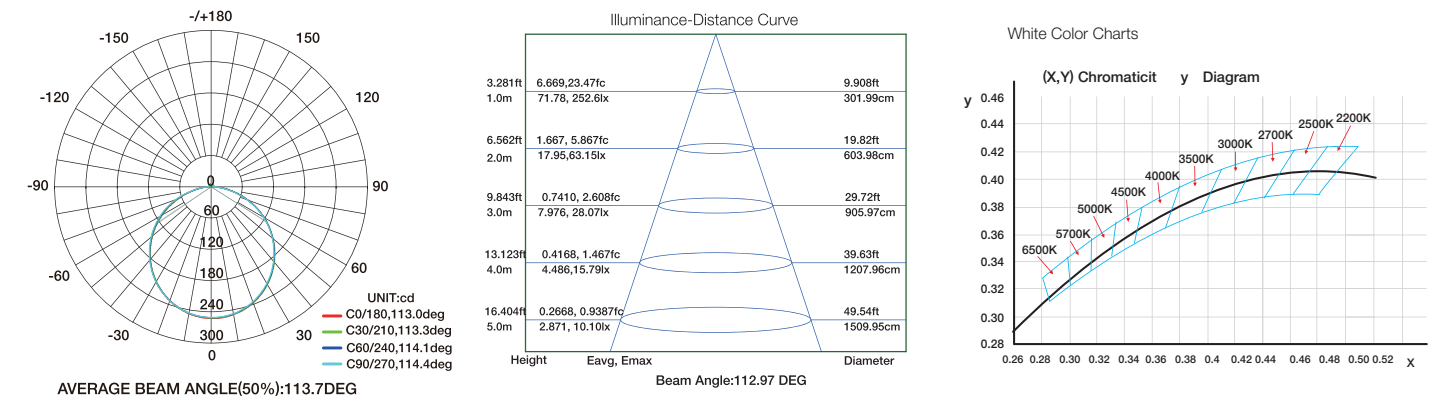


## Technical Parameters

| Electrical            |                                                    |
|-----------------------|----------------------------------------------------|
| Input Voltage         | 48V DC                                             |
| Power Consumption     | 12W/m                                              |
| Physical              |                                                    |
| LED Count             | 96 LEDs/m                                          |
| Cutting Unit          | 12 LEDs                                            |
| Cutting Unit Length   | 125 mm                                             |
| Minimum Bend Diameter | 120mm                                              |
| Output                |                                                    |
| LED Light             | Epistar SMD LED 2835                               |
| CRI                   | >80, >90                                           |
| Max Run Length*       |                                                    |
| Single Feed           | 55 M                                               |
| Double Feed           | 110 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                  |

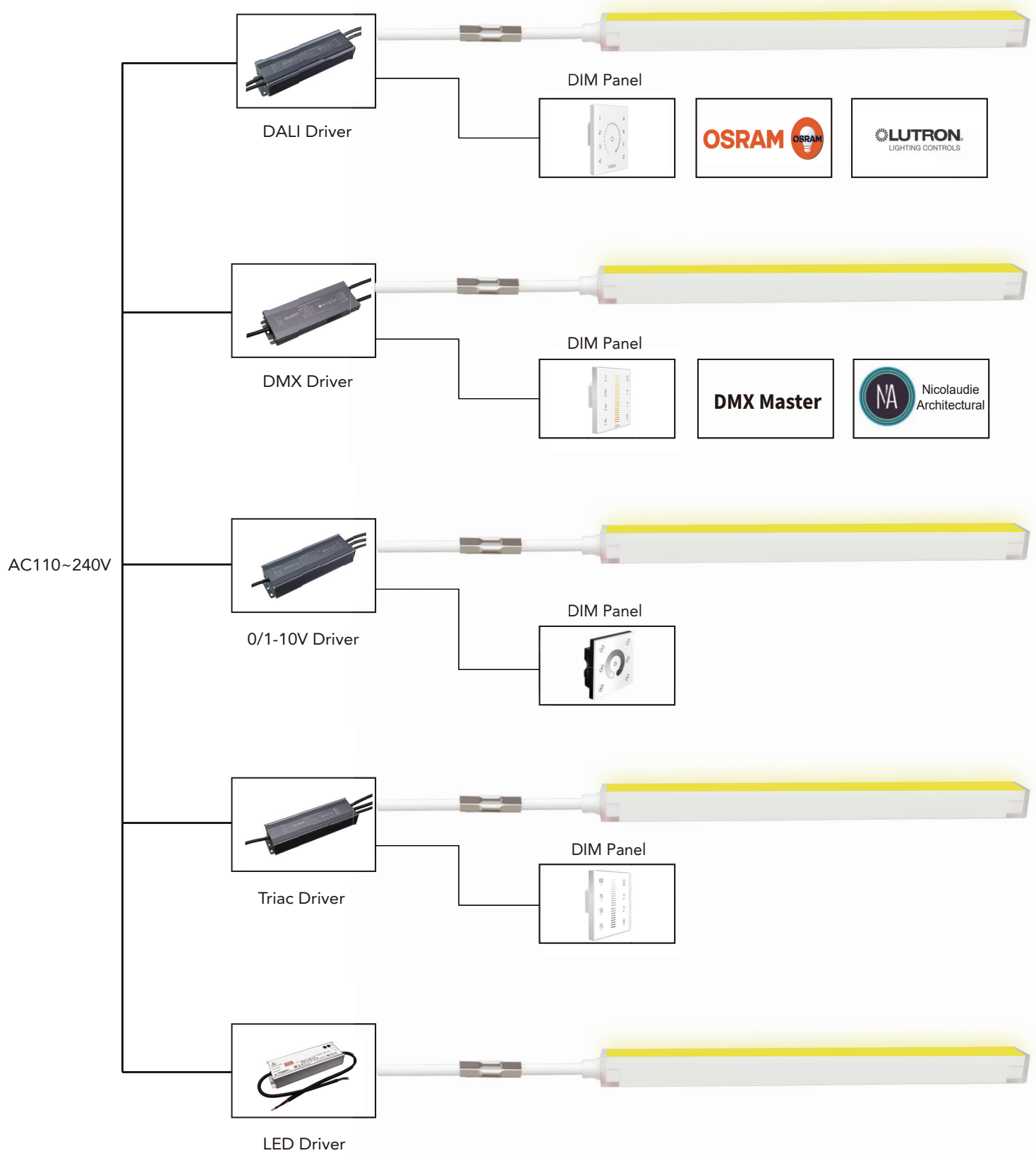
| Optional Color |                          |
|----------------|--------------------------|
|                | 2200K(2238±102K)         |
|                | 2500K(2460±120K)         |
|                | 2700K(2725±145K)         |
|                | 3000K(3045±175K)         |
|                | 3500K(3465±245K)         |
|                | 4000K(3985±275K)         |
|                | 4500K(4503±243K)         |
|                | 5000K(5209±283K)         |
|                | 5700K(5667±355K)         |
|                | 6500K(6532±510K)         |
|                | Green(520-530nm)         |
|                | Blue (455-465nm)         |
|                | Lemon Yellow (570-580nm) |
|                | Pink (610-620nm)         |

## Illuminance Distribution



# SF16 Mono Color Silicone LED Linear Flex

## Connection



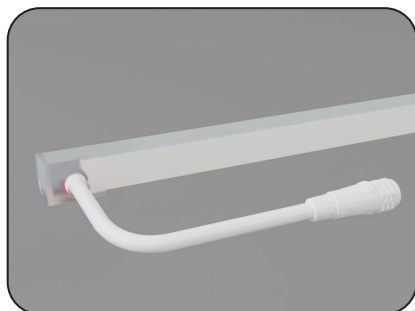
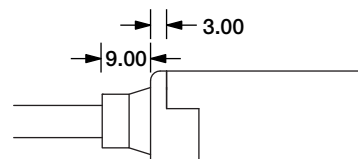
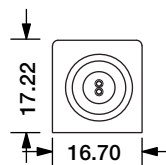
# SF16 Configuration and Accessories

Mold injection Connector

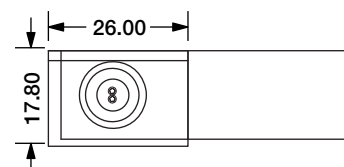
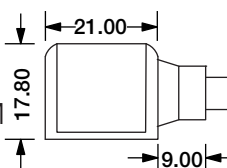
(IP68 Factory Assembly Only)



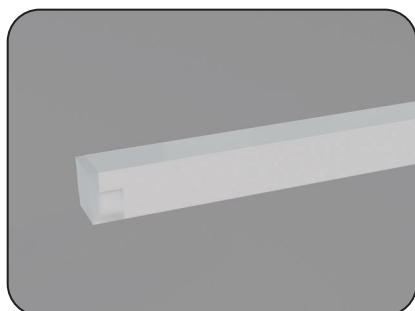
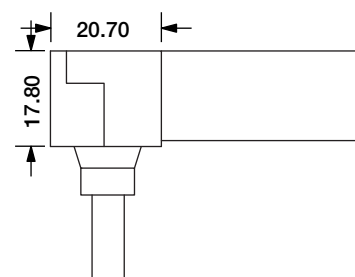
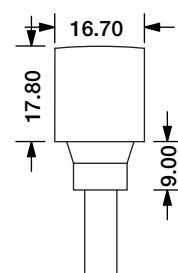
Direct Entry Connector  
MJ-SF16-A-SQ19-D01SM  
MJ-SF16-A-SQ19-D02SF  
MJ-SF16-A-SQ19-D03SFM



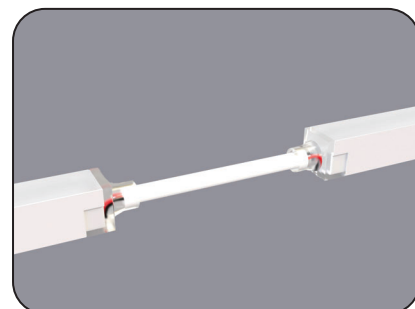
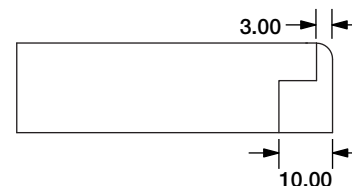
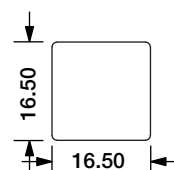
Side Entry Connector  
MJ-SF16-A-SQ19-S01SM  
MJ-SF16-A-SQ19-S02SF  
MJ-SF16-A-SQ19-S03SFM



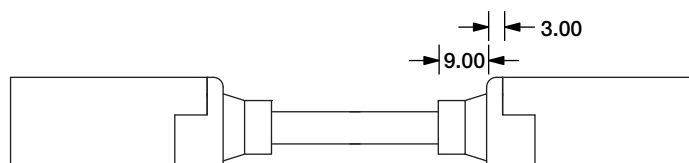
Bottom Entry Connector  
MJ-SF16-A-SQ19-B01SM  
MJ-SF16-A-SQ19-B02SF  
MJ-SF16-A-SQ19-B03SFM



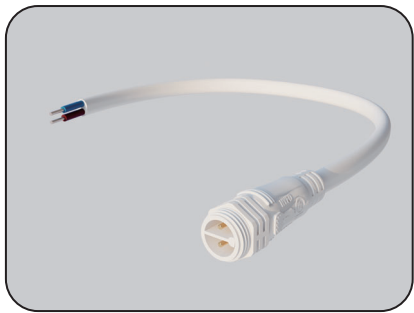
End Cap



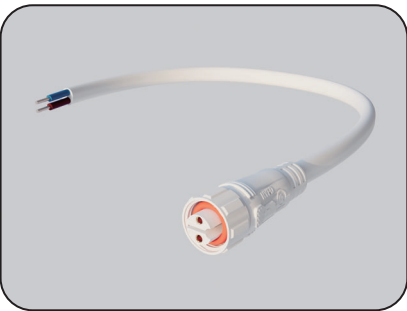
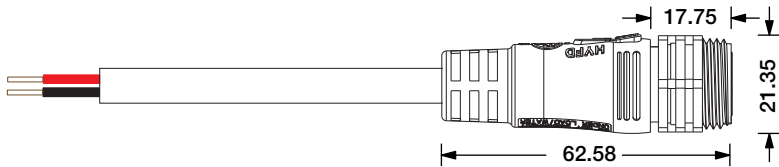
Jumper  
MJ-SF16-A-D-JC



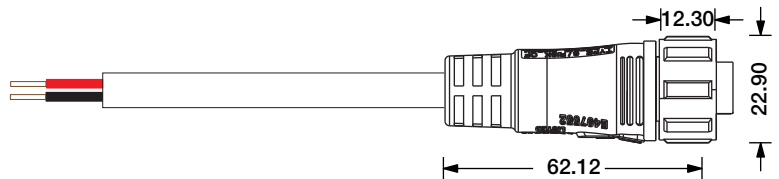
# SF16 Configuration and Accessories



Male Connector  
SQ19-A-2P-M-15AWG-D8-0327

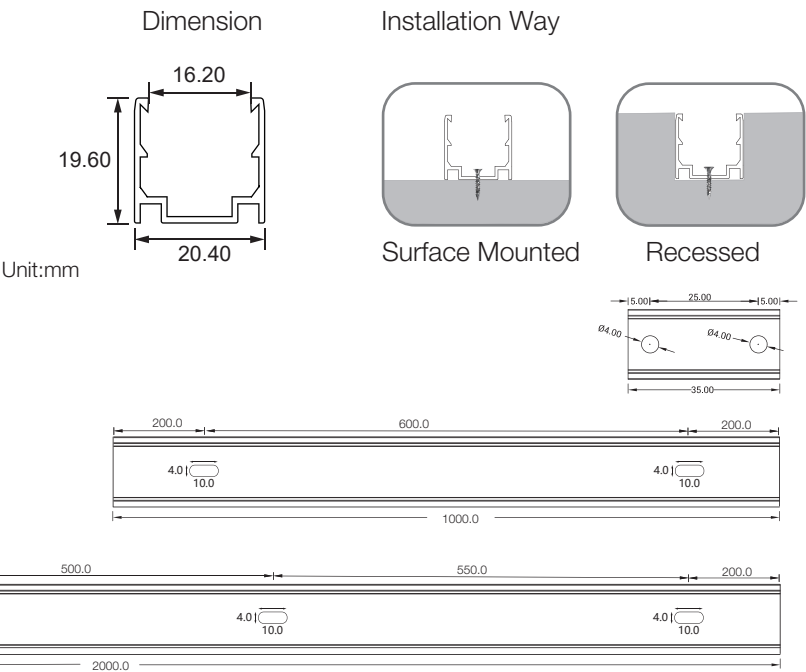
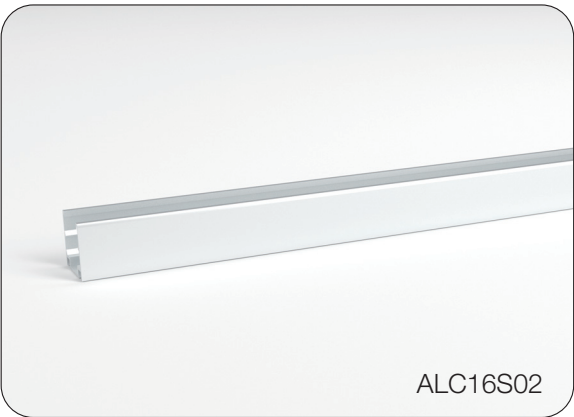


Female Connector  
SQ19-A-2P-F-15AWG-D8-032  
7

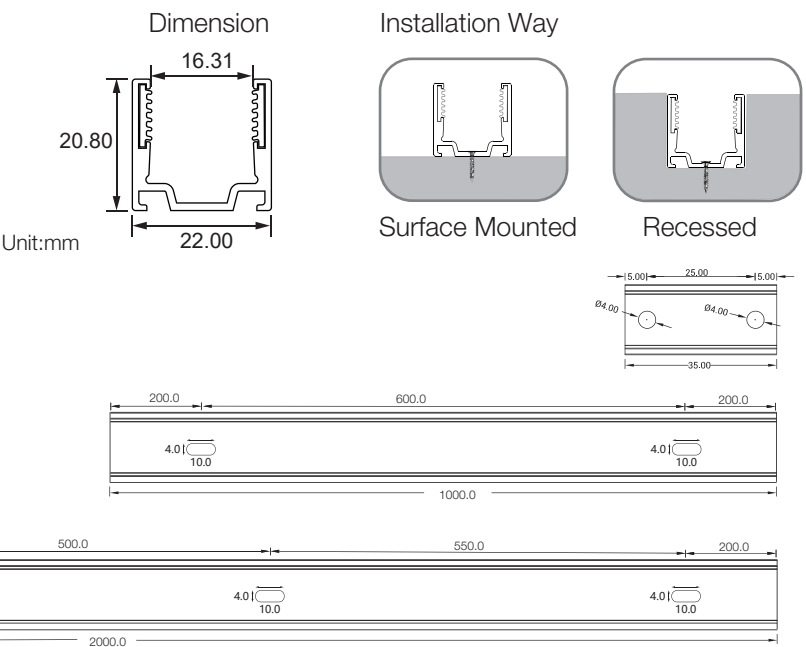
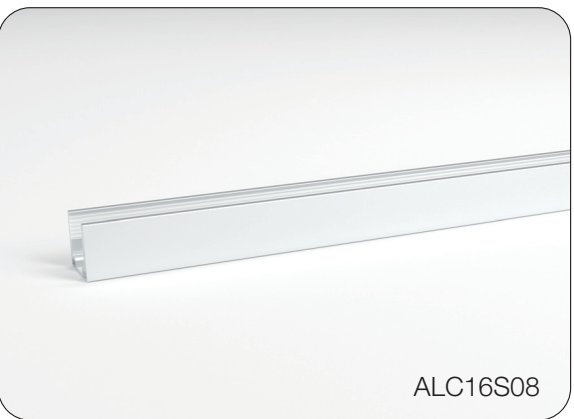


# LED Linear Flex Mounting Channel

## 1. Aluminum Channel

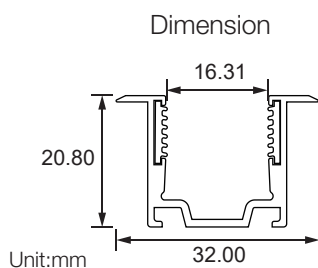


| Model        | W x H(mm)   | Standard Length | Screw Holes | Holes Numbers | Suitable Product |
|--------------|-------------|-----------------|-------------|---------------|------------------|
| ALC16S02-035 | 20.40*19.60 | 35mm            | Φ4.0mm      | 2             | F16, SF16        |
| ALC16S02-100 |             | 1000mm          | ○4.0mm      | 2             | F16, SF16        |
| ALC16S02-200 |             | 2000mm          | ○4.0mm      | 4             | F16, SF16        |

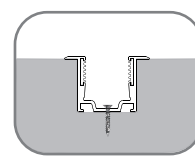


| Model        | W x H(mm)   | Standard Length | Screw Holes | Holes Numbers | Suitable Product |
|--------------|-------------|-----------------|-------------|---------------|------------------|
| ALC16S08-035 | 22.00*20.80 | 35mm            | Φ4.0mm      | 2             | F16, SF16        |
| ALC16S08-100 |             | 1000mm          | ○4.0mm      | 2             | F16, SF16        |
| ALC16S08-200 |             | 2000mm          | ○4.0mm      | 4             | F16, SF16        |

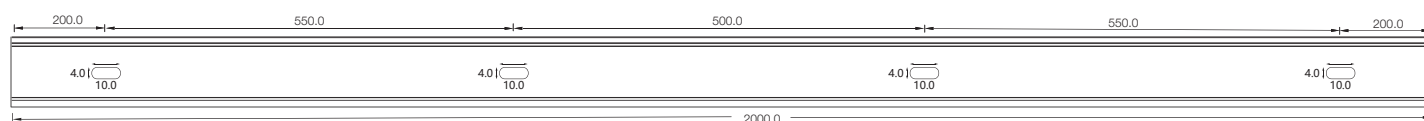
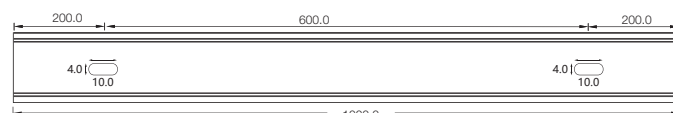
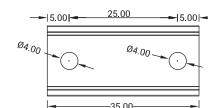
# LED Linear Flex Mounting Channel



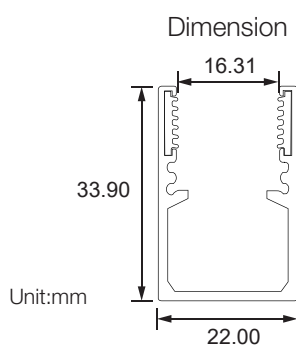
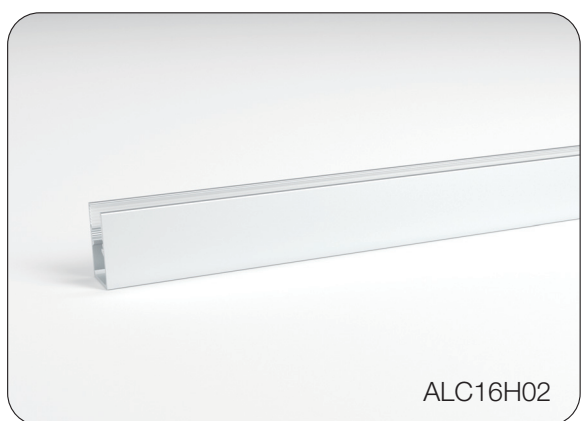
Installation Way



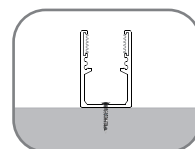
Recessed



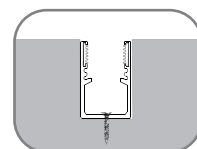
| Model        | W x H(mm) | Standard Length | Screw Holes | Holes Numbers | Suitable Product |
|--------------|-----------|-----------------|-------------|---------------|------------------|
| ALC16S07-035 | 32.0*20.8 | 35mm            | Φ4.0mm      | 2             | F16, SF16        |
| ALC16S07-100 |           | 1000mm          | ○4.0mm      | 2             | F16, SF16        |
| ALC16S07-200 |           | 2000mm          | ○4.0mm      | 4             | F16, SF16        |



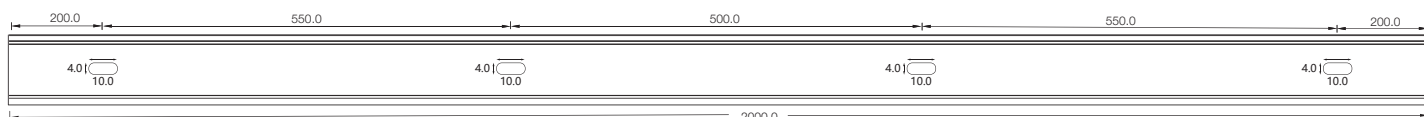
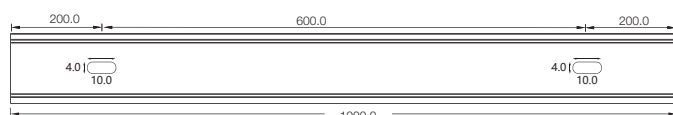
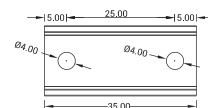
Installation Way



Surface Mounted



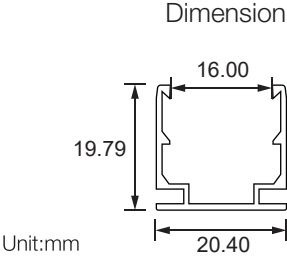
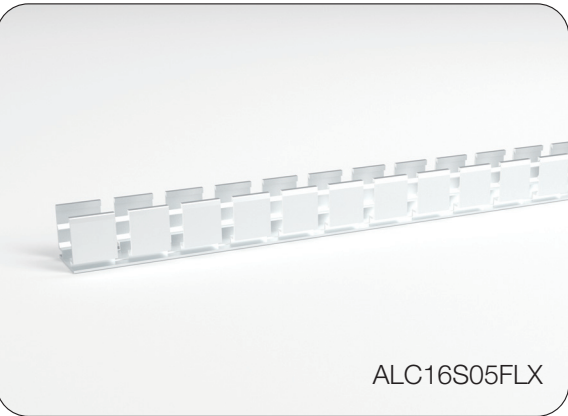
Recessed



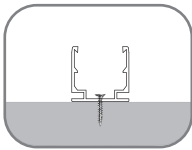
| Model        | W x H(mm)   | Standard Length | Screw Holes | Holes Numbers | Suitable Product |
|--------------|-------------|-----------------|-------------|---------------|------------------|
| ALC16H02-035 | 22.00*33.90 | 35mm            | Φ4.0mm      | 2             | F16, SF16        |
| ALC16H02-100 |             | 1000mm          | ○4.0mm      | 2             | F16, SF16        |
| ALC16H02-200 |             | 2000mm          | ○4.0mm      | 4             | F16, SF16        |

# LED Linear Flex Mounting Channel

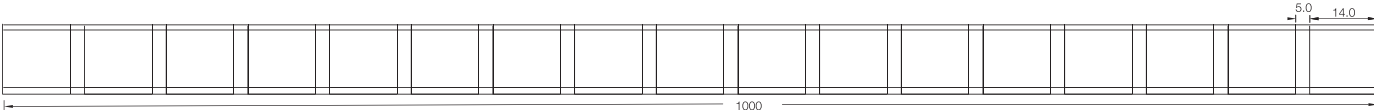
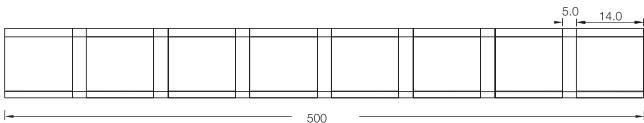
## 2. Flexible Aluminum Channel



Installation Way

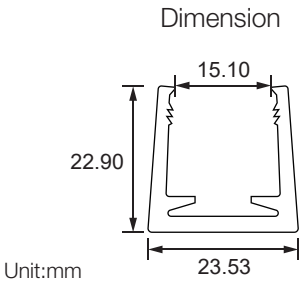


Surface Mounted

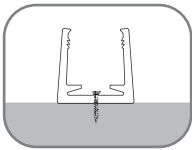


| Model          | W x H(mm)  | Standard Length | Suitable Product |
|----------------|------------|-----------------|------------------|
| ALC16S05FLX-05 | 20.4*19.79 | 500mm           | F16, SF16        |
| ALC16S05FLX-10 |            | 1000mm          | F16, SF16        |
| ALC16S05FLX-20 |            | 2000mm          | F16, SF16        |

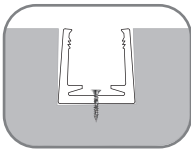
## 3. Plastic Channel



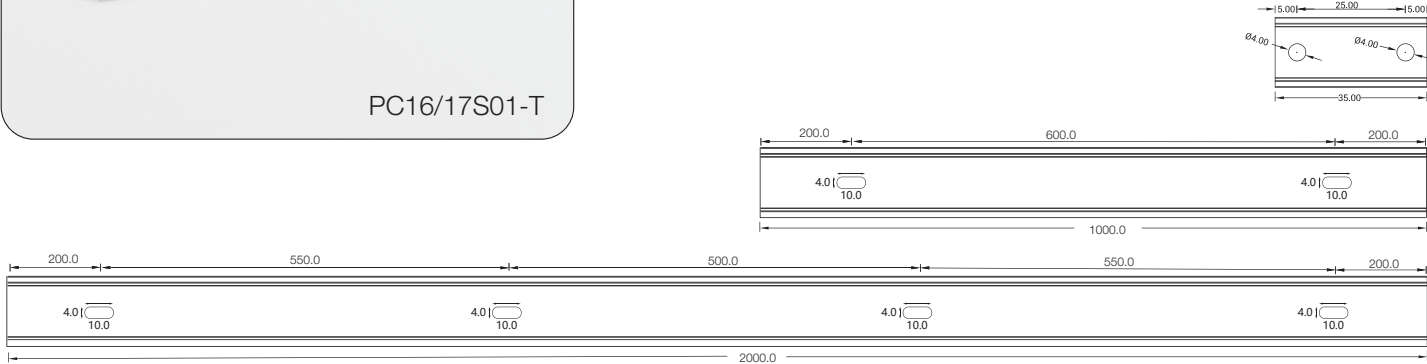
Installation Way



Surface Mounted



Recessed

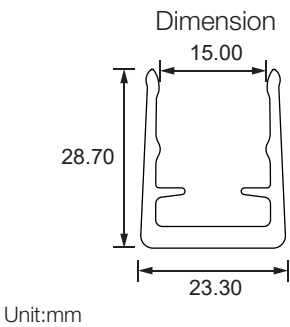


| Model            | W x H(mm)   | Standard Length | Screw Holes | Holes Numbers | Suitable Product |
|------------------|-------------|-----------------|-------------|---------------|------------------|
| PC16/17S01-T-100 | 23.53*22.90 | 1000mm          | Φ4.0mm      | 2             | F16, SF16        |

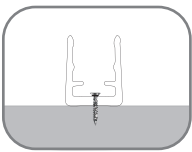
# LED Linear Flex Mounting Channel



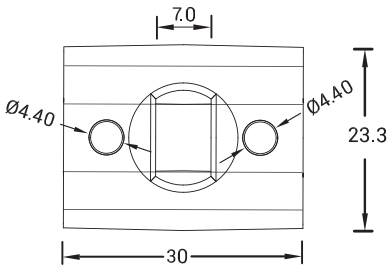
SJJ-ZSH-008-PC



Installation Way

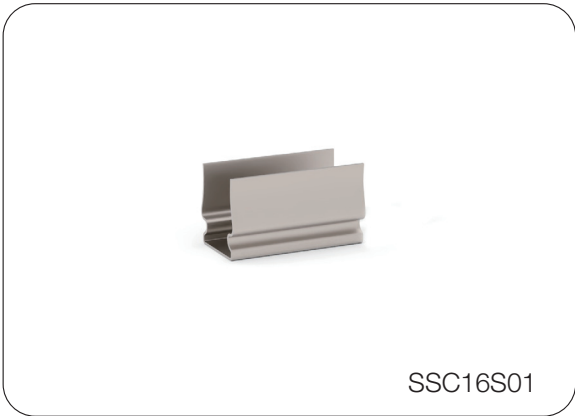


Surface Mounted

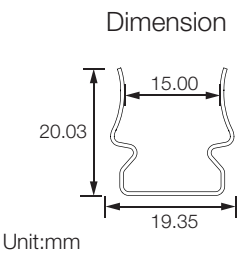


| Model          | W x H(mm) | Standard Length | Screw Holes | Holes Numbers | Suitable Product |
|----------------|-----------|-----------------|-------------|---------------|------------------|
| SJJ-ZSH-008-PC | 23.3*28.7 | 30mm            | Ø4.40mm     | 2             | F16, SF16        |

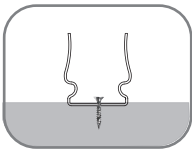
## 4. Stainless Steel Channel



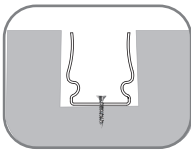
SSC16S01



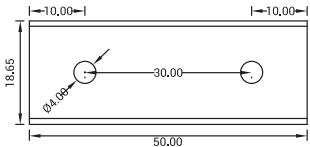
Installation Way



Surface Mounted

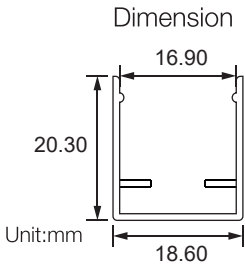


Recessed

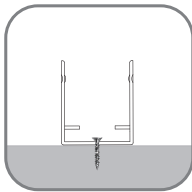


| Model       | W x H(mm)   | Standard Length | Material                | Screw Holes | Holes Numbers | Suitable Product |
|-------------|-------------|-----------------|-------------------------|-------------|---------------|------------------|
| SSC16S01-05 | 19.35*20.03 | 50mm            | Stainless Steel<br>316L | Ø4.0mm      | 2             | F16, SF16        |

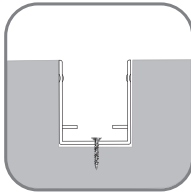
# LED Linear Flex Mounting Channel



Installation Way

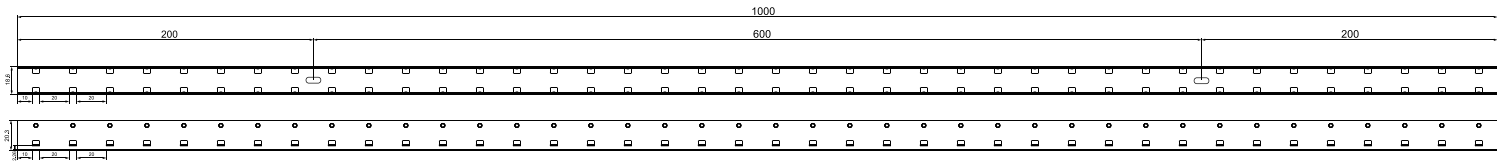


Surface Mounted

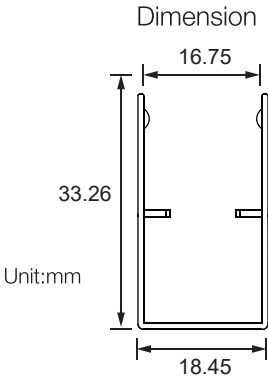
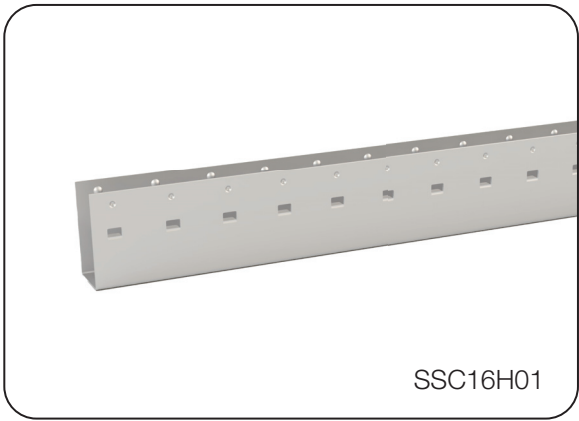


Recessed

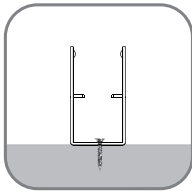
SSC16S02



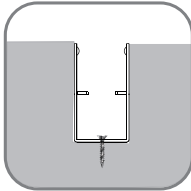
| Model        | W x H(mm)  | Standard Length | Material                | Screw Holes | Holes Numbers | Suitable Product |
|--------------|------------|-----------------|-------------------------|-------------|---------------|------------------|
| SSC16S02-100 | 18.60*20.3 | 1000mm          | Stainless Steel<br>316L | 4.0x10mm    | 2             | F16, SF16        |



Installation Way

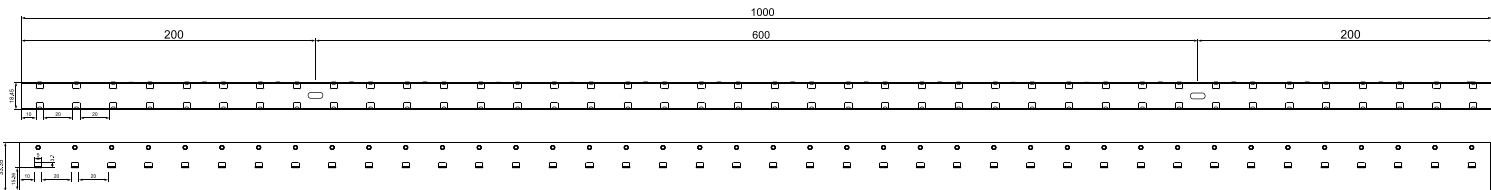


Surface Mounted



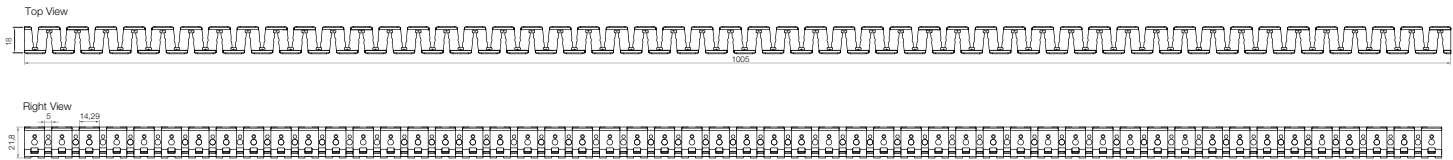
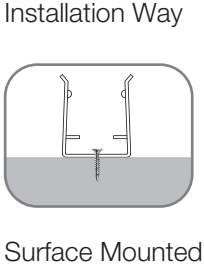
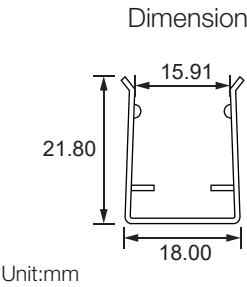
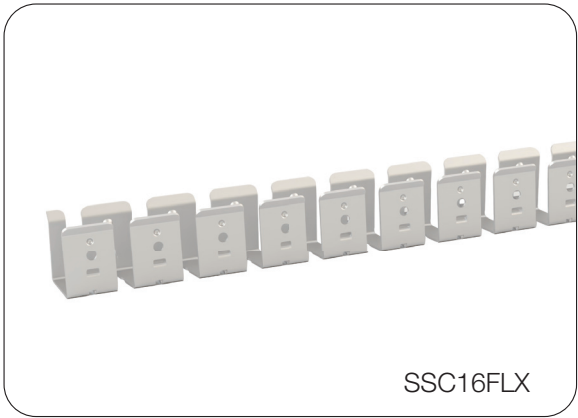
Recessed

SSC16H01



| Model        | W x H(mm)   | Standard Length | Material                | Screw Holes | Holes Numbers | Suitable Product |
|--------------|-------------|-----------------|-------------------------|-------------|---------------|------------------|
| SSC16H01-100 | 18.45*33.26 | 1000mm          | Stainless Steel<br>316L | 4.0x10mm    | 2             | F16, SF16        |

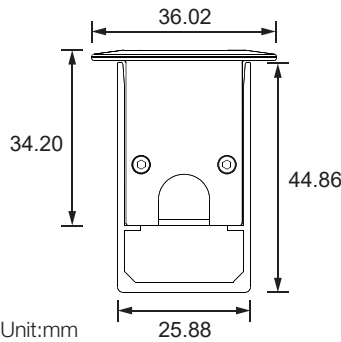
# LED Linear Flex Mounting Channel



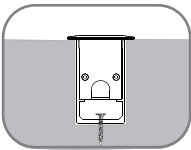
| Model      | W x H(mm)   | Standard Length | Material             | Suitable Product |
|------------|-------------|-----------------|----------------------|------------------|
| SSC16FLX01 | 18.00*21.80 | 100mm           | Stainless Steel 316L | F16, SF16        |
| SSC16FLX03 |             | 300mm           | Stainless Steel 316L | F16, SF16        |
| SSC16FLX05 |             | 500mm           | Stainless Steel 316L | F16, SF16        |
| SSC16FLX10 |             | 1000mm          | Stainless Steel 316L | F16, SF16        |

# LED Linear Flex Mounting Channel

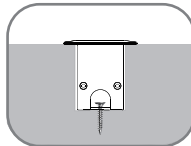
## 5. Buried And Recessed Type



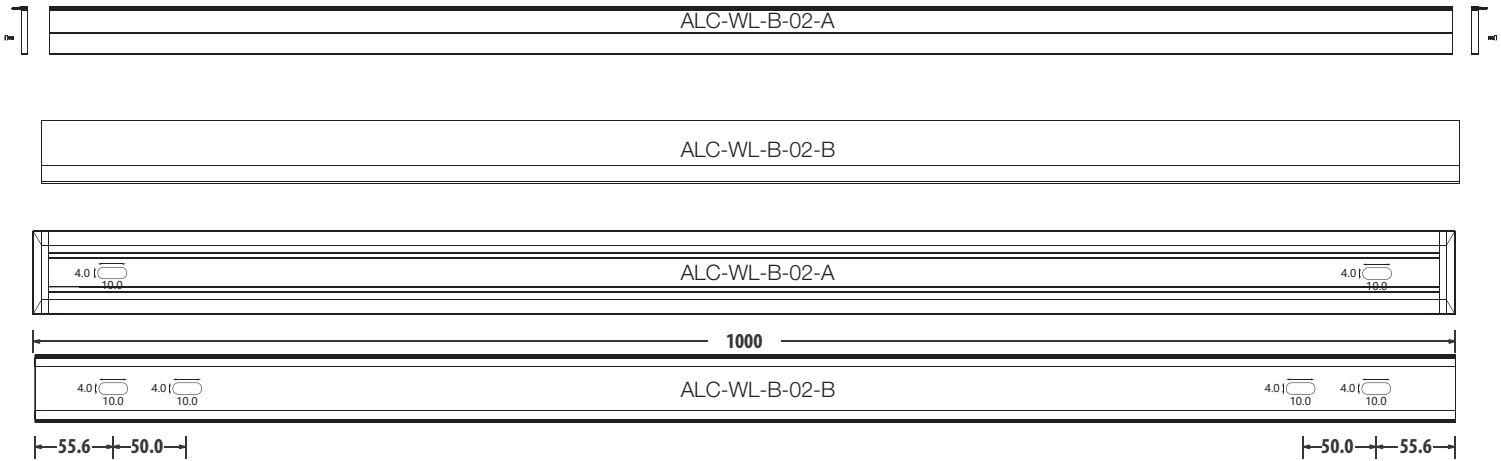
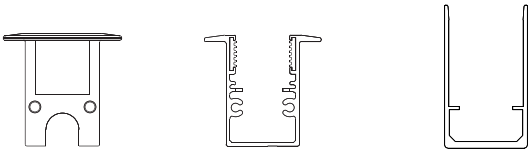
Installation Way



ALC-WL-B-02-A  
ALC-WL-B-02-B  
Buried Mounted



ALC-WL-B-02-A  
Recessed



| Model         | W x H(mm)   | Installation Way | Optional Length     | Suitable Product |
|---------------|-------------|------------------|---------------------|------------------|
| ALC-WL-B-02-A | 36.02*34.20 | Recessed         | 500mm/1000mm/2000mm | F16, SF16        |
| ALC-WL-B-02-B | 25.88*44.86 | Buried Mounted   | 500mm/1000mm/2000mm | F16, SF16        |

# 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          |