



# SPECIFICATION SHEET

## TAPE-70-PX16-RGBW

### DESCRIPTION

- Flexible horizontal bendable silicone LED neon tape
- Emits uniform dot-free soft light
- Flat surface with 120 degree beam angle
- 70 LEDs per meter, can be cut every 7 LEDs (100mm)
- Color /CCT: RGB + 3000K
- Full encapsulated silicone jacket with IP68 level



RGBW Lighting



Working Temperature



3 Year Limited Warranty



RGBW= 399lm/m

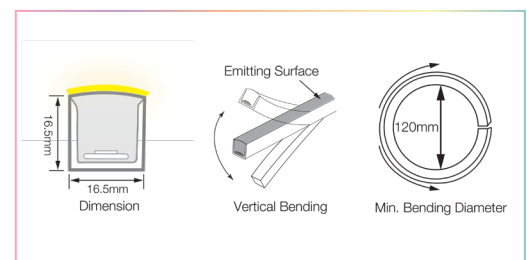
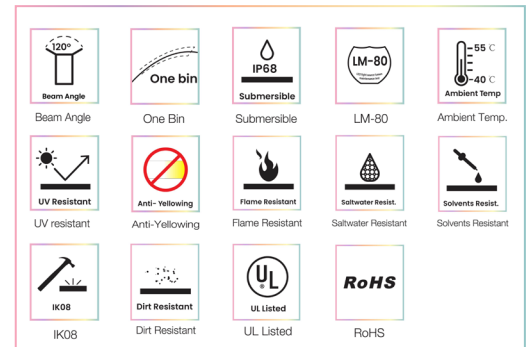
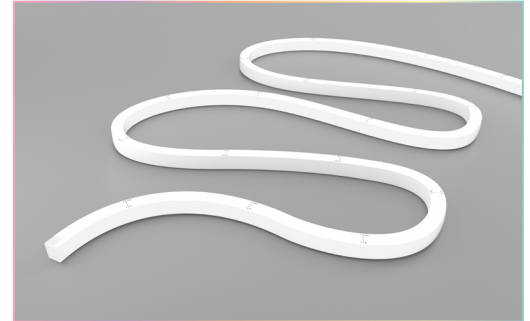
3000K= 193lm/m

### SPECIFICATIONS

|                             |                                                                                 |
|-----------------------------|---------------------------------------------------------------------------------|
| LED Quantity                | 70 LEDs/M                                                                       |
| Color /CCT                  | RGB + 3000K                                                                     |
| Pixels Quantity             | 10 Pixels/M                                                                     |
| CRI                         | Ra+80                                                                           |
| Luminous Flux per Meter     | 399 Lm                                                                          |
| Beam Angle                  | 120°                                                                            |
| Power Rating per Meter      | 18W                                                                             |
| Input Voltage               | 24V                                                                             |
| Housing Material            | Eco PVC or Silicone                                                             |
| Minimum Bend Diameter       | 120mm                                                                           |
| Cutting Unit                | 6 LEDs                                                                          |
| Cutting Unit Length         | 83.3mm                                                                          |
| IP Rating                   | IP68 Wet location submersible <2m                                               |
| Operating Temperature Range | -40°C to 55°C                                                                   |
| Compatible Decoders         | Use SRPC 2108-24V-200, SR-2108A-M5, or SR-2108B-M24 driver/decoder & DMX-KP-512 |
| Certificate                 | RoHS, UL Listed                                                                 |
| Lifespan                    | 50,000 hrs                                                                      |
| Warranty                    | 7 years                                                                         |

\* All Neon Tapes are sold by meter.

| MODEL CODES              | DESCRIPTION                                                                                                                                 |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| TAPE-70-PX16-RGB30K-IP68 | Neon 16 Flexible Tape, Pixel RGB + 3000K, 18W/M, 70 LED pcs/M, 399lm/M, CRI>RA80, 10M (26.2FT/Roll), Width 16.5mm, Height 16.5mm, 24V, IP68 |



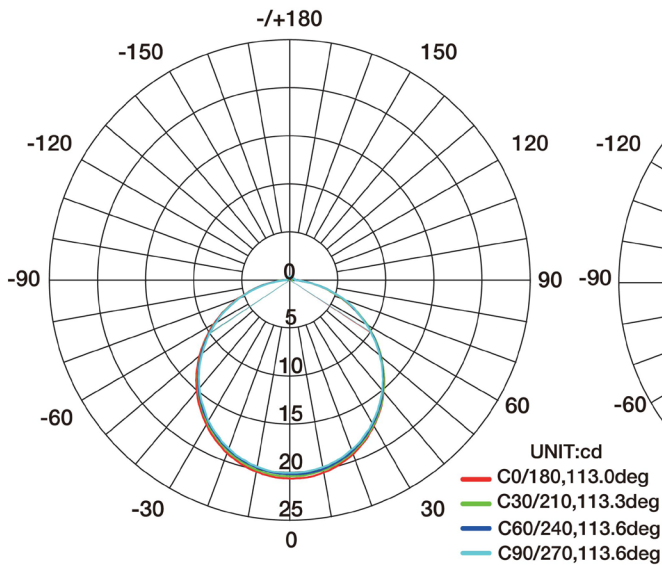
### APPLICATIONS

- Outlining Facade of buildings
- Cove lighting
- Linear Lighting
- Signage
- Decorative lighting

[www.colorbeamlighting.com](http://www.colorbeamlighting.com)

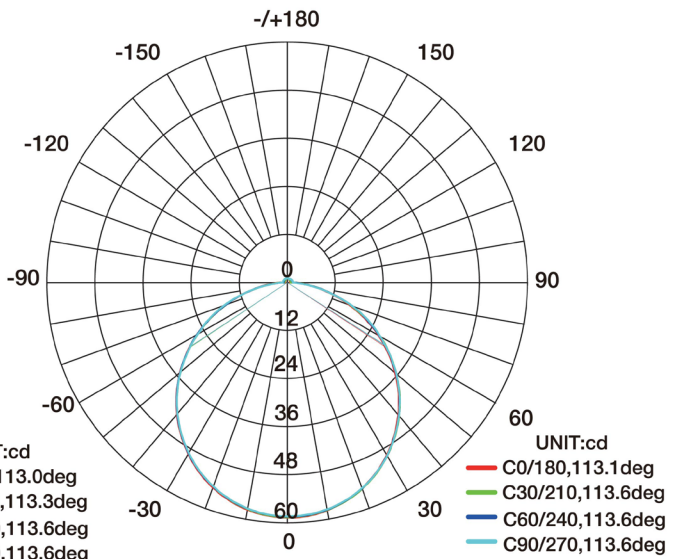
### PHOTOMETRIC INFORMATION

COLOR TEMPERATURE / RED



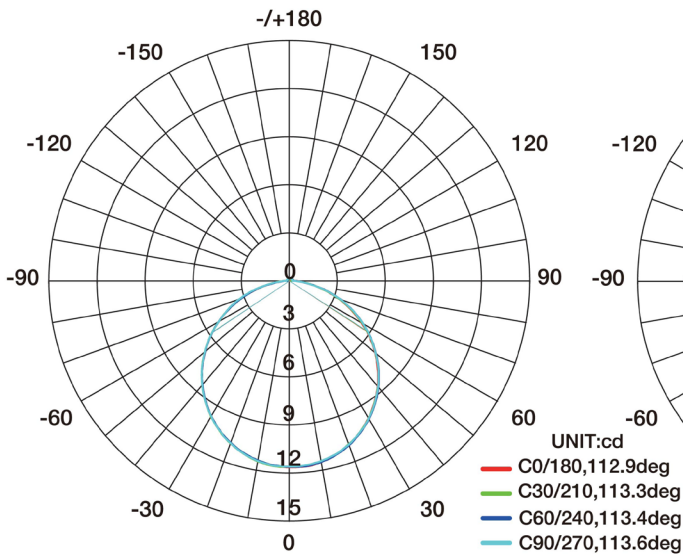
AVERAGE BEAM ANGLE(50%):113.4DEG

COLOR TEMPERATURE / GREEN



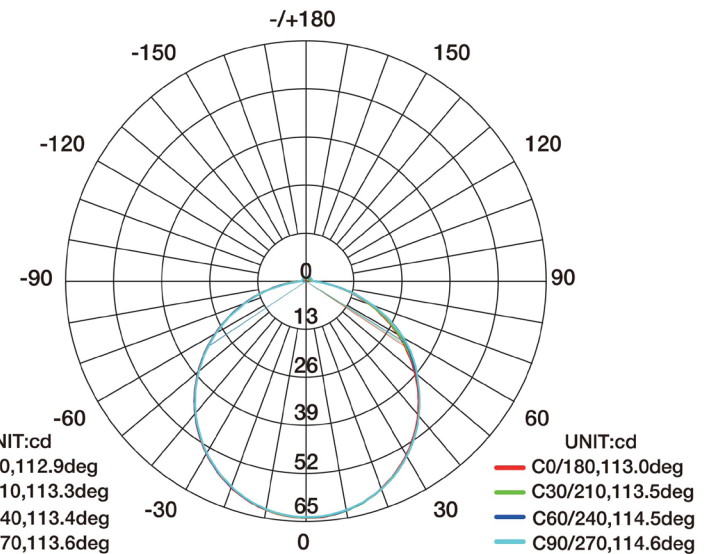
AVERAGE BEAM ANGLE(50%):113.5 DEG

COLOR TEMPERATURE / BLUE



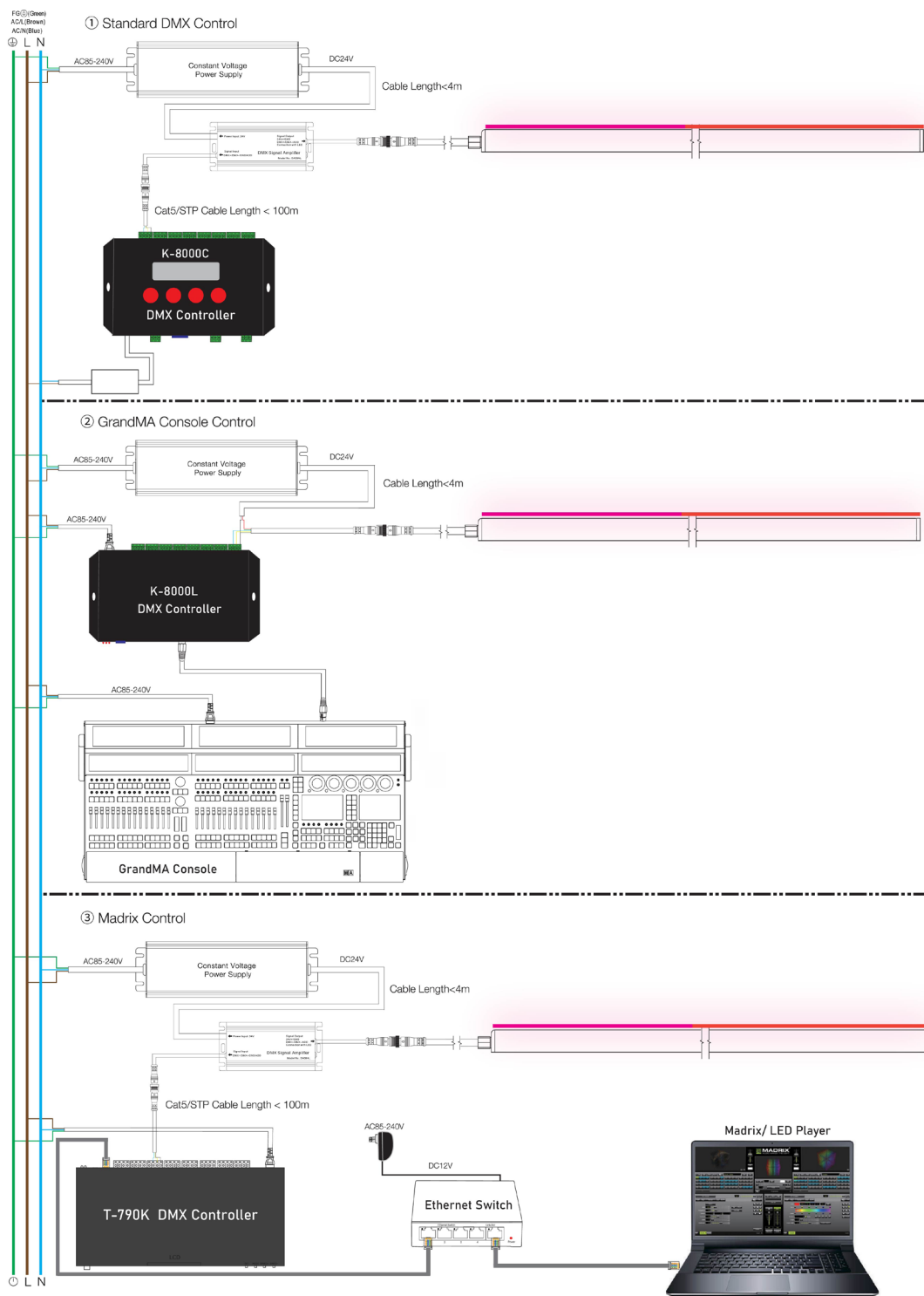
AVERAGE BEAM ANGLE(50%):113.3 DEG

COLOR TEMPERATURE / 3000K

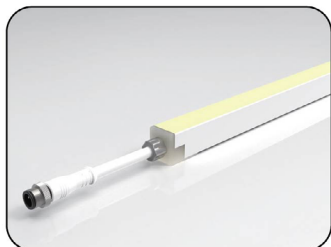


AVERAGE BEAM ANGLE(50%):113.9 DEG

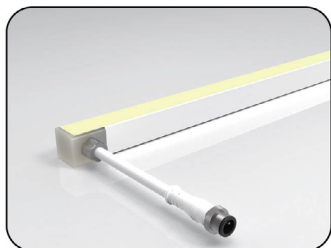
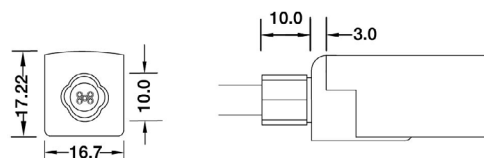
## WIRING CONFIGURATION



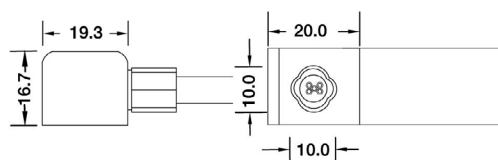
#### CONFIGURATION AND ACCESSORIES



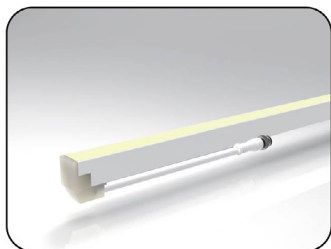
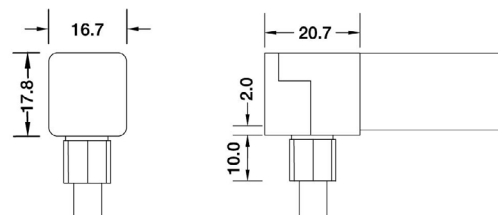
Direct Entry Connector  
MJ-SF16-D5-D02SM  
MJ-SF16-D5-D03SFM



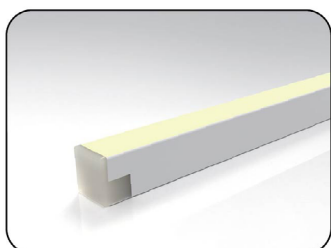
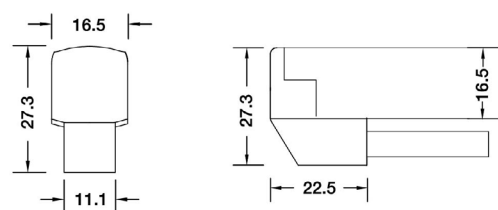
Side Entry Connector  
MJ-SF16-D5-S02SM  
MJ-SF16-D5-S03SFM



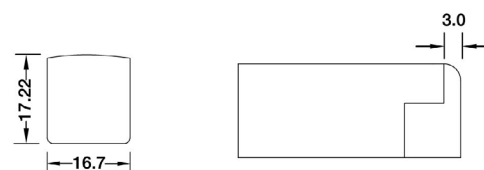
Bottom Entry Connector  
MJ-SF16-D5-B02SM  
MJ-SF16-D5-B03SFM



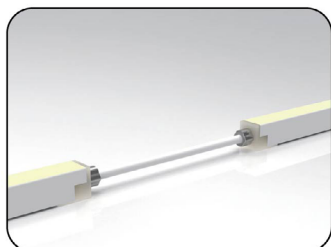
L Shape Entry Connector  
MJ-SF16-D5-L02SM  
MJ-SF16-D5-L03SFM



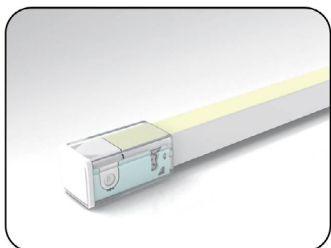
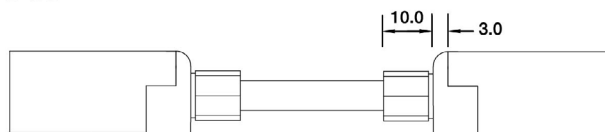
End Cap



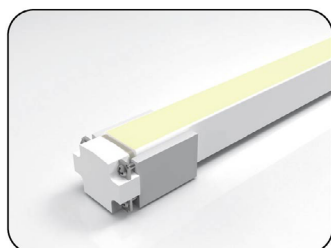
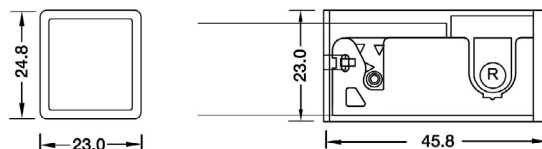
### CONFIGURATION AND ACCESSORIES



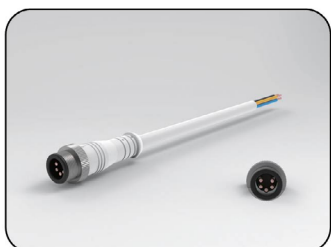
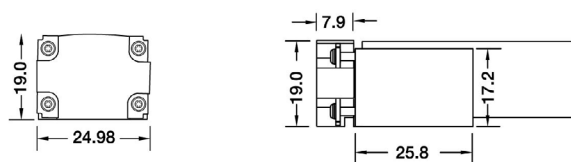
Jumper  
MJ-16-RGBW-D-JC



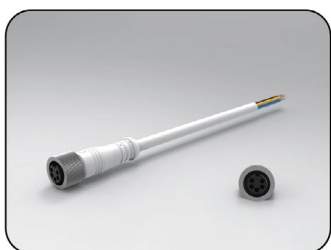
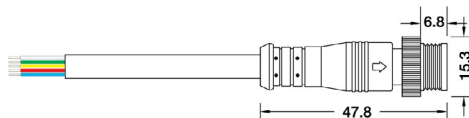
DIY Snap End Cap  
DIY-SN-END-16-D-01/02



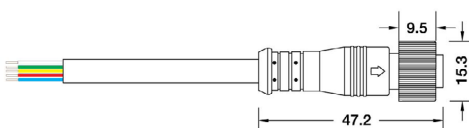
DIY Screw Connector  
DIY-SC-END-16



Male Connector  
SYZ-M12-M-5C-05-W

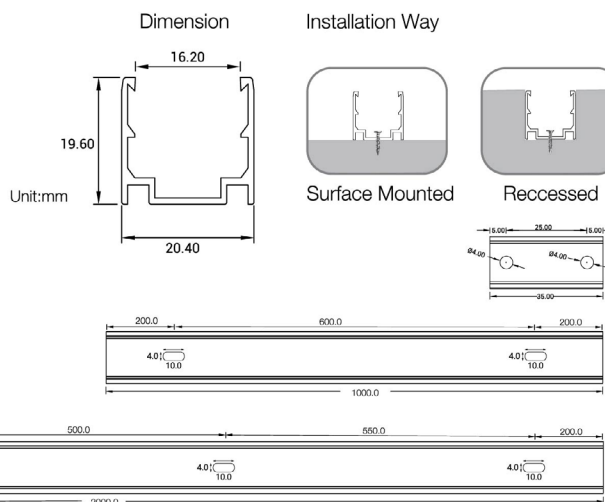


Female Connector  
SYZ-M12-F-5C-05-W

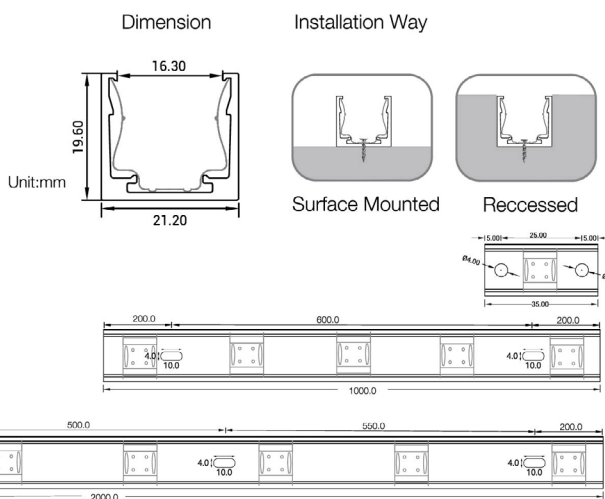


### LED LINEAR FLEX MOUNTING CHANNEL

#### 1. Aluminum Channel

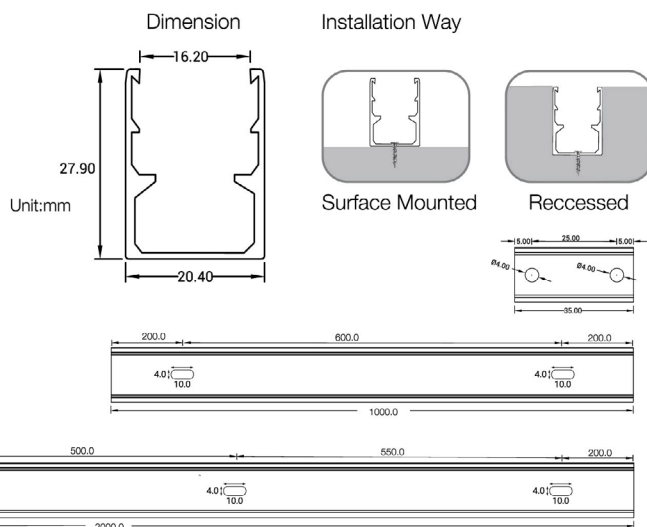
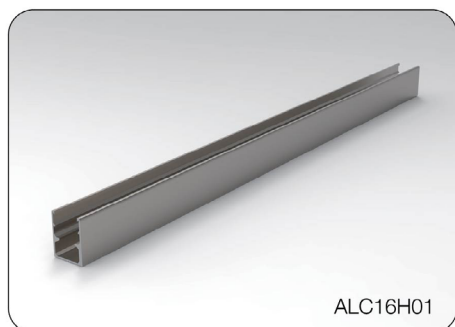


| Model        | W x H(mm) | Standard Length | Screw Holes | Holes Numbers | Suitable Product |
|--------------|-----------|-----------------|-------------|---------------|------------------|
| ALC16S02-035 | 20.4*19.6 | 35mm            | Φ4.0mm      | 2             | F16, SF16        |
| ALC16S02-100 |           | 1000mm          | 4.0x10mm    | 2             | F16, SF16        |
| ALC16S02-200 |           | 2000mm          | 4.0x10mm    | 4             | F16, SF16        |

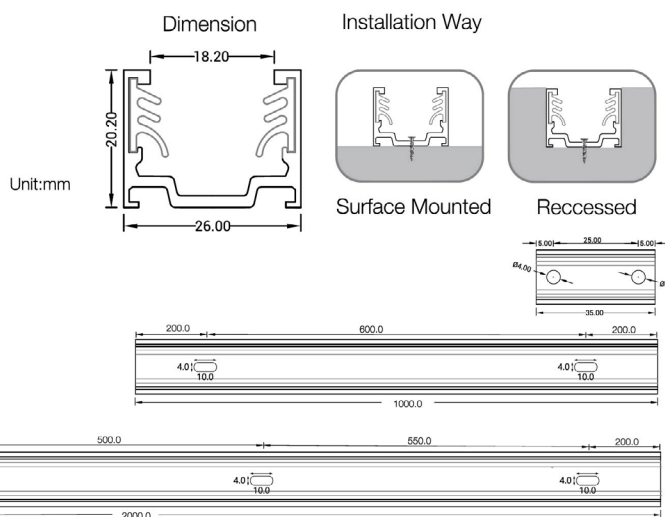


| Model        | W x H(mm) | Standard Length | Screw Holes | Holes Numbers | Clips | Suitable Product |
|--------------|-----------|-----------------|-------------|---------------|-------|------------------|
| ALC16S03-035 | 21.2*19.6 | 35mm            | Φ4.0mm      | 2             | 1     | F16, SF16        |
| ALC16S03-100 |           | 1000mm          | 4.0x10mm    | 2             | 5     | F16, SF16        |
| ALC16S03-200 |           | 2000mm          | 4.0x10mm    | 4             | 8     | F16, SF16        |

#### LED LINEAR FLEX MOUNTING CHANNEL



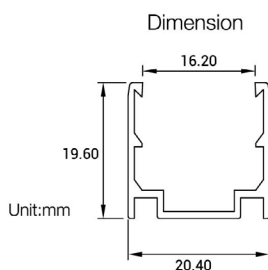
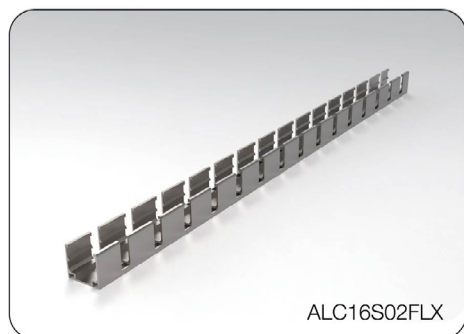
| Model        | W x H(mm) | Standard Length | Screw Holes | Holes Numbers | Suitable Product |
|--------------|-----------|-----------------|-------------|---------------|------------------|
| ALC16H01-035 | 20.4*27.9 | 35mm            | Φ4.0mm      | 2             | F16, SF16        |
| ALC16H01-100 |           | 1000mm          | 4.0x10mm    | 2             | F16, SF16        |
| ALC16H01-200 |           | 2000mm          | 4.0x10mm    | 4             | F16, SF16        |



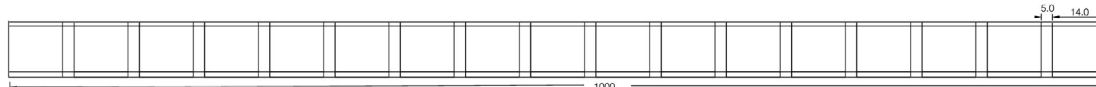
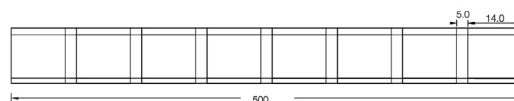
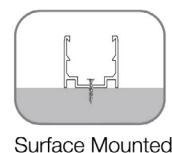
| Model        | W x H(mm) | Standard Length | Screw Holes | Holes Numbers | Clips | Suitable Product |
|--------------|-----------|-----------------|-------------|---------------|-------|------------------|
| ALC16S04-035 | 26.0*20.2 | 35mm            | Φ4.0mm      | 2             | 2     | F16, SF16        |
| ALC16S04-100 |           | 1000mm          | 4.0x10mm    | 2             | 2     | F16, SF16        |
| ALC16S04-200 |           | 2000mm          | 4.0x10mm    | 4             | 2     | F16, SF16        |

## LED LINEAR FLEX MOUNTING CHANNEL

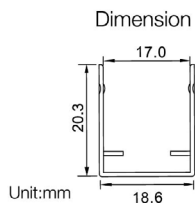
### 2. Flexible Aluminum Channel



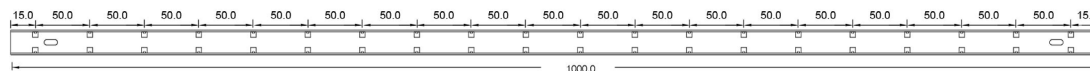
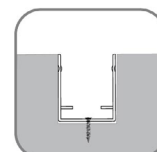
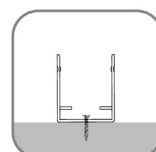
Installation Way



| Model          | W x H(mm) | Standard Length | Suitable Product |
|----------------|-----------|-----------------|------------------|
| ALC16S02FLX-05 | 20.4*19.6 | 500mm           | F16, SF16        |
| ALC16S02FLX-10 |           | 1000mm          | F16, SF16        |

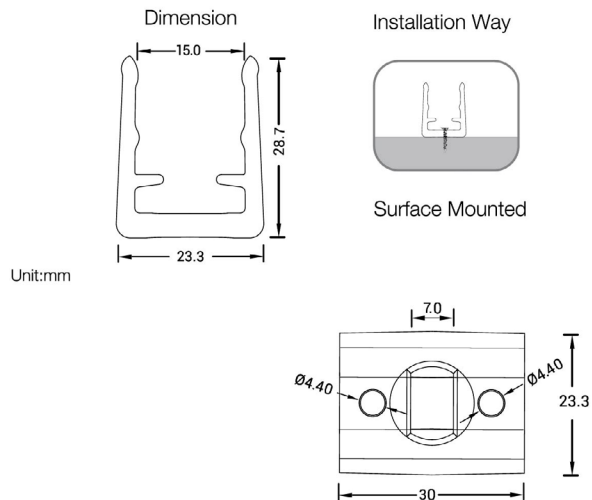


Installation Way

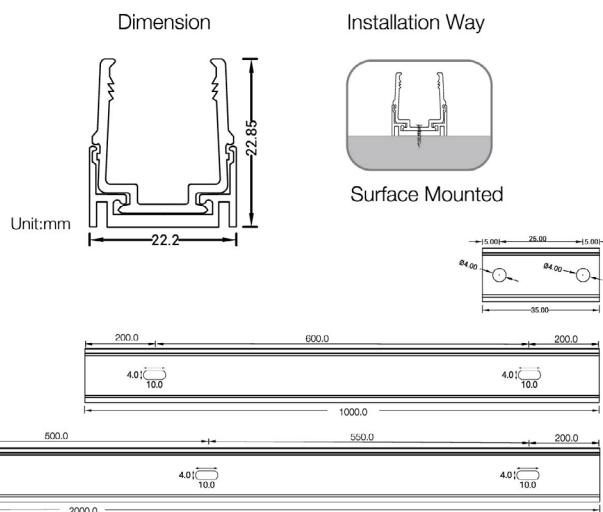


| Model        | W x H(mm) | Standard Length | Screw Holes | Holes Numbers | Suitable Product |
|--------------|-----------|-----------------|-------------|---------------|------------------|
| SSC16S02-100 | 18.6*20.3 | 1000mm          | 4.0x10mm    | 2             | F16, SF16        |

### LED LINEAR FLEX MOUNTING CHANNEL



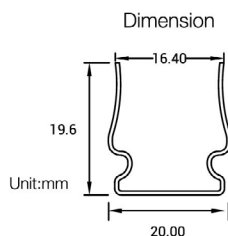
| Model          | W x H(mm) | Standard Length | Screw Holes | Holes Numbers | Suitable Product |
|----------------|-----------|-----------------|-------------|---------------|------------------|
| SJJ-ZSH-008-PC | 23.3*28.7 | 30mm            | Φ4.40mm     | 2             | F16, SF16        |



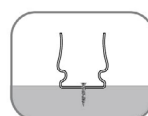
| Model              | W x H(mm)  | Standard Length | Screw Holes | Holes Numbers | Suitable Product |
|--------------------|------------|-----------------|-------------|---------------|------------------|
| ALC-PC18S01-ST-035 | 22.2*22.85 | 35mm            | Φ4.0mm      | 2             | F16, SF16        |
| ALC-PC18S01-ST-100 |            | 1000mm          | 4.0x10mm    | 2             | F16, SF16        |
| ALC-PC18S01-ST-200 |            | 2000mm          | 4.0x10mm    | 4             | F16, SF16        |

### LED LINEAR FLEX MOUNTING CHANNEL

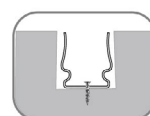
#### 4. Stainless Steel Channel



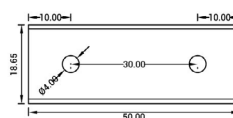
Installation Way



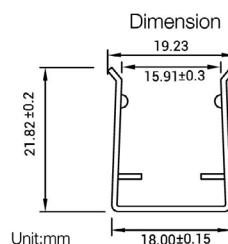
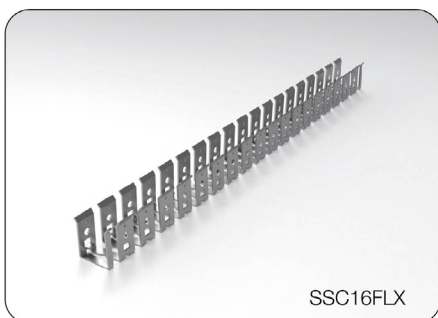
Surface Mounted



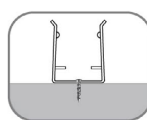
Recessed



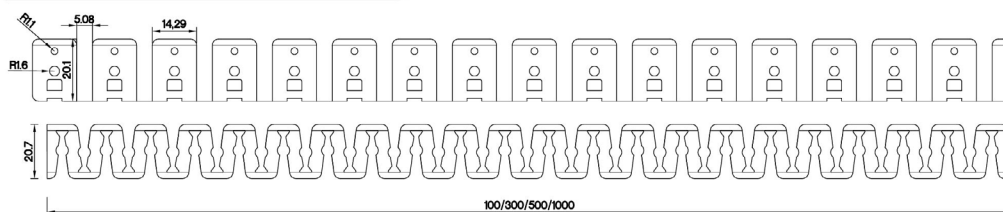
| Model       | W x H(mm) | Standard Length | Screw Holes | Holes Numbers | Suitable Product |
|-------------|-----------|-----------------|-------------|---------------|------------------|
| SSC16S01-05 | 20.0*19.6 | 50mm            | Φ4.0mm      | 2             | F16, SF16        |



Installation Way



Surface Mounted



| Model      | W x H(mm)  | Standard Length | Suitable Product |
|------------|------------|-----------------|------------------|
| SSC16FLX01 | 18.15*22.0 | 100mm           | F16, SF16        |
| SSC16FLX03 |            | 300mm           | F16, SF16        |
| SSC16FLX05 |            | 500mm           | F16, SF16        |
| SSC16FLX10 |            | 1000mm          | F16, SF16        |



## COMPATIBLE PROCESSOR & CONTROLLERS

### GATEway 1DMX



Lighting processor integrated with a configurable software, 1 DMX output, 1 universe controlling 512 DMX addresses, 5VDC, 1A output.

### DMX-KP-512



The DMX-KP-512 control panel is a master controller designed to control the DMX controllers.

### DRV-SRPC2108-24-200CVF



DMX driver, 4 channels, 24VDC, 200W built-in power supply, constant Voltage, 100-240VAC input, 4x2A output.

\*Compatible with white, bi-white, RGB, and RGBW luminaires.

### SR-2108A-M5-5



DMX decoder, 5 channels, VDC, Constant Voltage  
Require an external VDC power supply, available from 96W to 320W, 12-24VDC input, 5x8A output.

\*Compatible with white, bi-white, RGB, and RGBW luminaires.

### SR-2108B-M24-5



DMX decoder, 24 channels, VDC, Constant Voltage.  
Require an external VDC power supply, available from 96W to 320W, 12-24VDC input, 24x4A output.

\*Compatible with white, bi-white, RGB, and RGBW luminaires.