## DESCRIPTION

- Flexible horizontal bendable silicone LED neon tape
- Emits uniform dot-free soft light
- Flat surface with 120 degree beam angle
- 120 LEDs per meter, can be cut every 12 LEDs (100mm)
- Color /CCT: 1800K + 6500K
- Full encapsulated silicone jacket with IP68 level

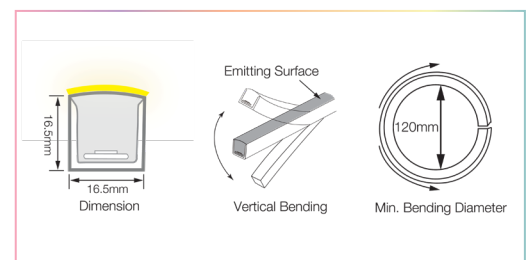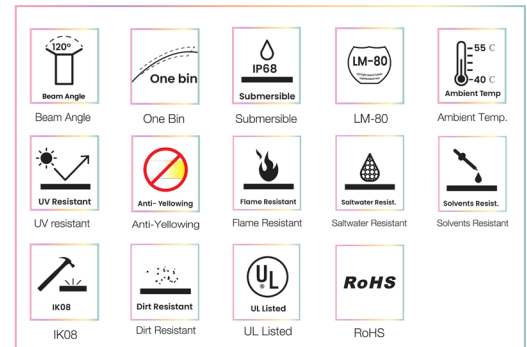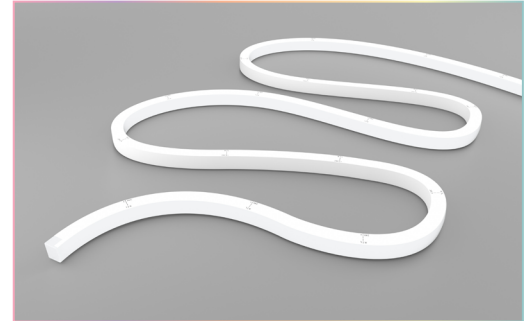**TL** Tunable Lighting  **CRI 90+**

Working Temperature  -40°C +55°C

**3 YEAR WARRANTY** 3 Year Limited Warranty

c **UL** us LISTED

**1800K-6500K**

## SPECIFICATIONS

| LED Quantity | 120 LEDs/M |
|---|---|
| Color /CCT | 1800K + 6500K |
| Chip | Epistar SMD2835 |
| CRI | >90 |
| Luminous Flux per Meter | 263 Lm + 294 Lm |
| Beam Angle | 120° |
| Power Rating per Meter | 12W |
| Input Voltage | 24V |
| Housing Material | Eco PVC or Silicone |
| Minimum Bend Diameter | 120mm |
| 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 |

| MODEL CODES | DESCRIPTION |
|---|---|
| TAPE-120-NF16-18-65K-IP68 | Neon 16 Flexible Tape, 1800K + 6500K, 12W/M, 120 LED pcs/M, 294lm/M, CRI>RA90, 120 LEDs/M, Width 16.5mm, Height 16.5mm, 24V, IP68 |



Beam Angle · One Bin · Submersible · LM-80 · Ambient Temp.

UV resistant · Anti-Yellowing · Flame Resistant · Saltwater Resistant · Solvents Resistant

IK08 · Dirt Resistant · UL Listed · RoHS



Dimension · Vertical Bending · Min. Bending Diameter

## APPLICATIONS

- Outlining Facade of buildings
- Cove lighting
- Linear Lighting
- Signage
- Decorative lighting
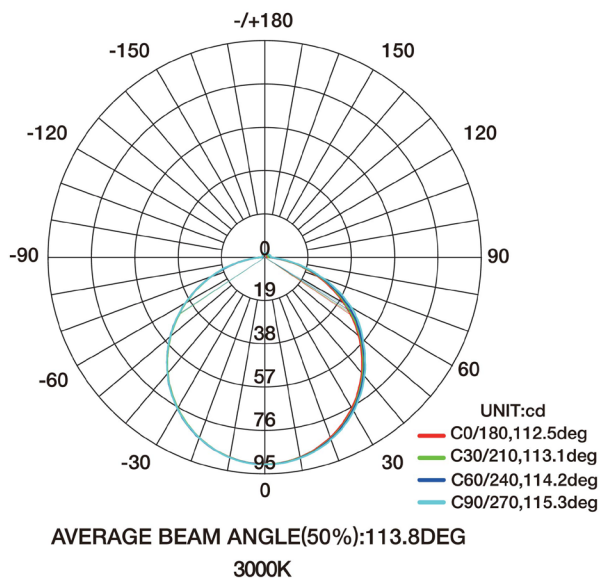
*\* All Neon Tapes are sold by meter.*

## PHOTOMETRIC INFORMATION

### COLOR TEMPERATURE / 1800K

UNIT:cd
C0/180,112.5deg
C30/210,113.1deg
C60/240,114.2deg
C90/270,115.3deg

**AVERAGE BEAM ANGLE(50%):113.8DEG**
**3000K**

### COLOR TEMPERATURE /6500K

UNIT:cd
C0/180,112.6deg
C30/210,113.2deg
C60/240,113.8deg
C90/270,115.1deg

**AVERAGE BEAM ANGLE(50%):113.7DEG**
**5700K**

White Color Charts

(X,Y) Chromaticit y Diagram

2200K
2500K
2700K
3000K
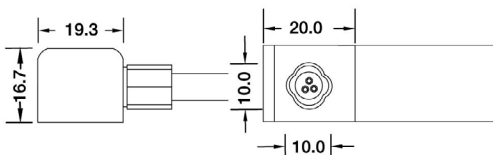3500K
4000K
4500K
5000K
5700K
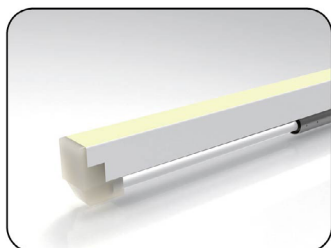6500K
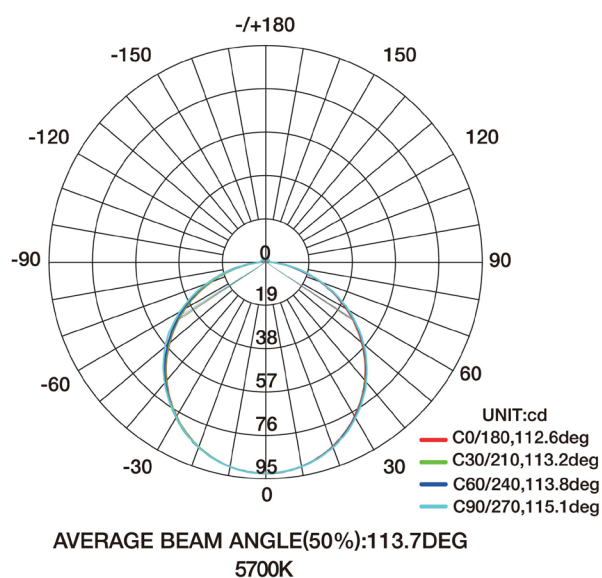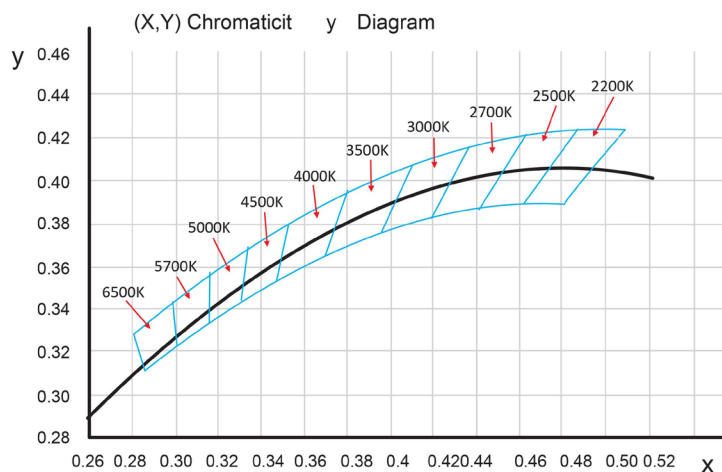
## CONFIGURATION AND ACCESSORIES
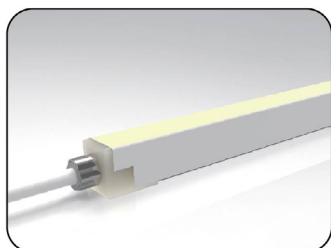
Direct Entry Connector
MJ-SF16-DW-D01/02/03
MJ-SF16-DW-D01SM
MJ-SF16-DW-D02SF
MJ-SF16-DW-D03SFM

17.22 — 10.0 — 16.7 — 10.0 — 3.0
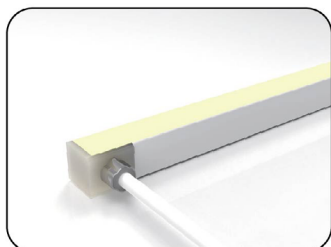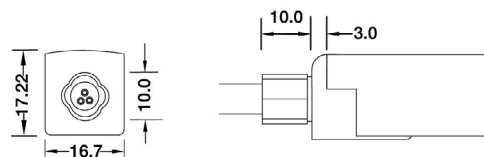
Side Entry Connector
MJ-SF16-DW-S01/02/03
MJ-SF16-DW-S01SM
MJ-SF16-DW-S02SF
MJ-SF16-DW-S03SFM

19.3 — 16.7 — 20.0 — 10.0 — 10.0

Bottom Entry Connector
MJ-SF16-DW-B01/02/03
MJ-SF16-DW-B01SM
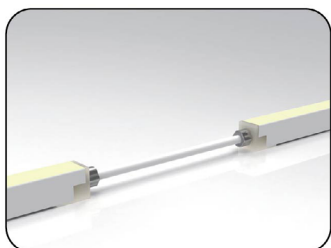MJ-SF16-DW-B02SF
MJ-SF16-DW-B03SFM

16.7 — 17.8 — 20.7 — 2.0 — 10.0
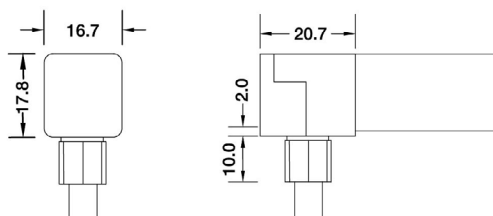
L Shape Entry Connector
MJ-SF16-DW-L01/02/03
MJ-SF16-DW-L01SM
MJ-SF16-DW-L02SF
MJ-SF16-DW-L03SFM

16.5 — 27.3 — 11.1 — 27.3 — 16.5 — 22.5

End Cap

17.22 — 16.7 — 3.0

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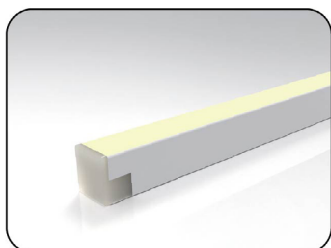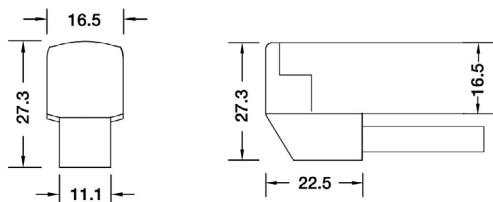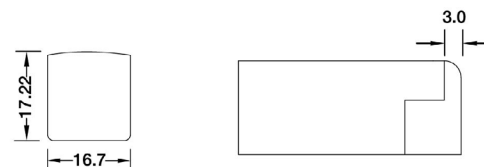
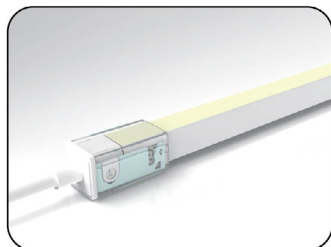## CONFIGURATION AND ACCESSORIES

Jumper
MJ-SF16-DW-D-JC

10.0    3.0

DIY Snap Connector
DIY-SN-FR-16-D-01/02-D3

Ø6.0
24.8
Ø10.0
23.0
11.0
6.0
10.0
45.8

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

24.8
23.0
23.0
45.8
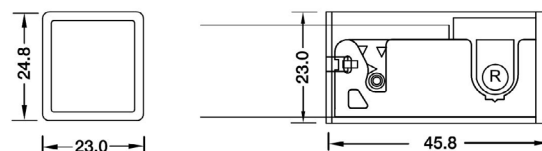
DIY Snap Connector Jumper
DIY-SN-EXT-16-DW

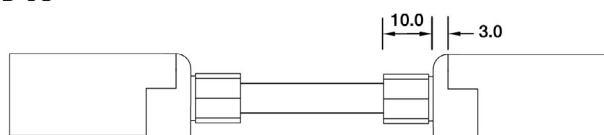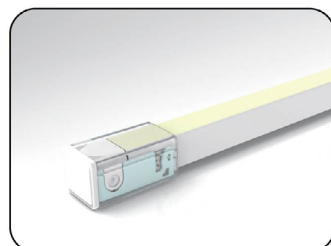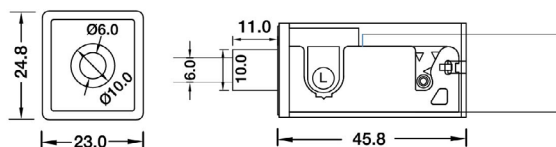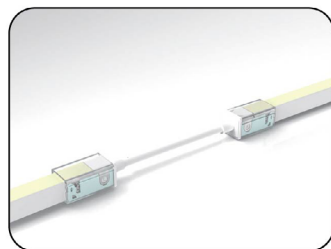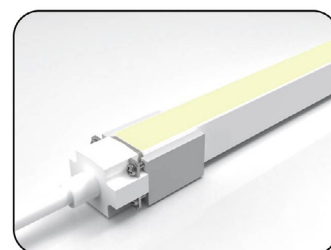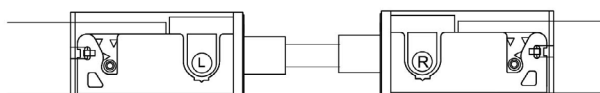DIY Screw Connector
DIY-SC-FR-16-D-01/02-D3

22.2
19.0
19.0
17.2
24.98
25.8

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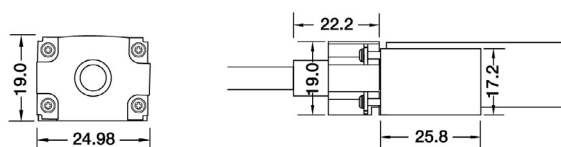
## CONFIGURATION AND ACCESSORIES



DIY Screw Connector
DIY-SC-END-16
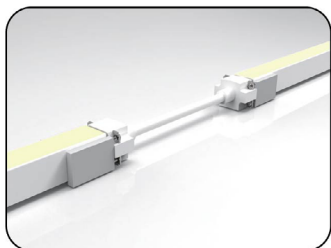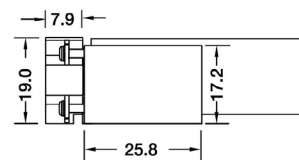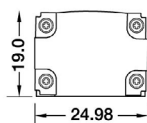


DIY Screw Extention Connector
DIY-SC-EXT-16-D3



Waterproof Interrupter



Male Connector
SYZ-M12-M-3C-05-W
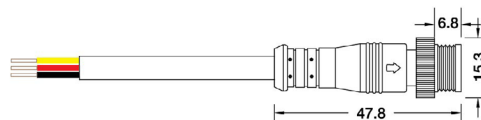


Female Connector
SYZ-M12-F-3C-05-W

www.colorbeamlighting.com
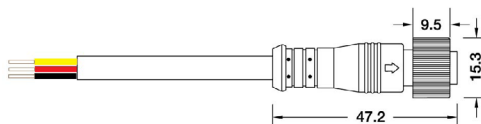
## LED LINEAR FLEX MOUNTING CHANNEL

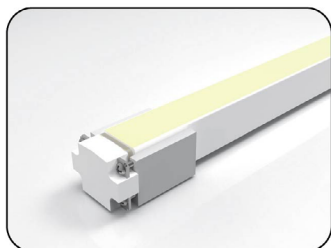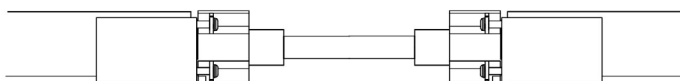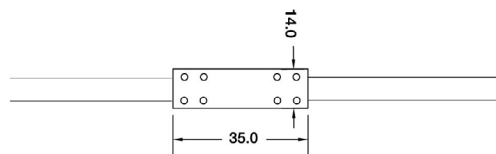### 1. Aluminum Channel

Dimension  
16.20  
19.60  
Unit:mm  
20.40

Installation Way  
Surface Mounted  Reccessed
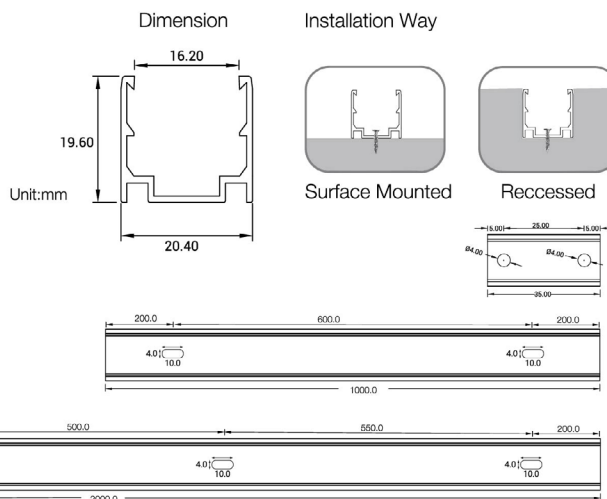
ALC16S02

| 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 |

Dimension  
16.30  
19.60  
Unit:mm  
21.20

Installation Way  
Surface Mounted  Reccessed
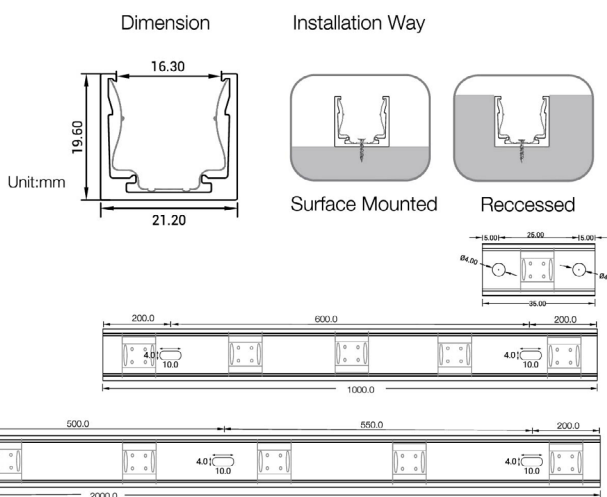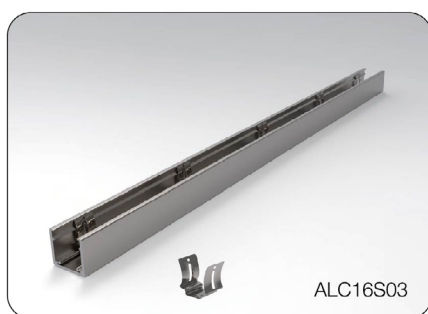
ALC16S03

| 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

Dimension

Installation Way

16.20

27.90

Unit:mm

20.40

ALC16H01

Surface Mounted

Reccessed

25.00

Ø4.00

35.00

200.0 · 600.0 · 200.0

4.0 10.0 · 4.0 10.0

1000.0

200.0 · 550.0 · 500.0 · 550.0 · 200.0

4.0 10.0 · 4.0 10.0 · 4.0 10.0 · 4.0 10.0

2000.0
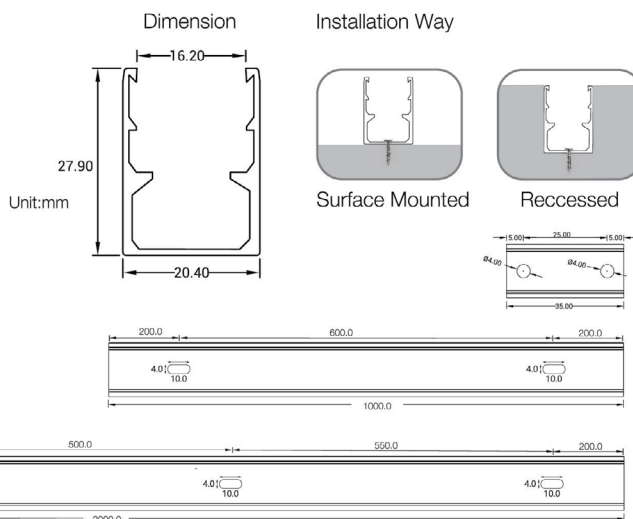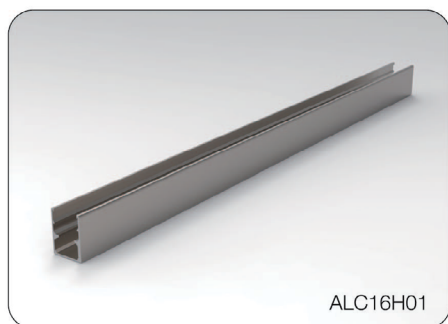
| Model | W x H(mm) | Standard Length | Screw Holes | Holes Numbers | Suitable Product |
|---|---|---|---|---|---|
| ALC16H01-035 | | 35mm | Φ4.0mm | 2 | F16, SF16 |
| ALC16H01-100 | 20.4*27.9 | 1000mm | 4.0x10mm | 2 | F16, SF16 |
| ALC16H01-200 | | 2000mm | 4.0x10mm | 4 | F16, SF16 |

Dimension

Installation Way

18.20

20.20

Unit:mm

26.00

ALC16S04

Surface Mounted

Reccessed

25.00

Ø4.00

35.00

200.0 · 600.0 · 200.0

4.0 10.0 · 4.0 10.0

1000.0

200.0 · 550.0 · 500.0 · 550.0 · 200.0

4.0 10.0 · 4.0 10.0 · 4.0 10.0 · 4.0 10.0

2000.0
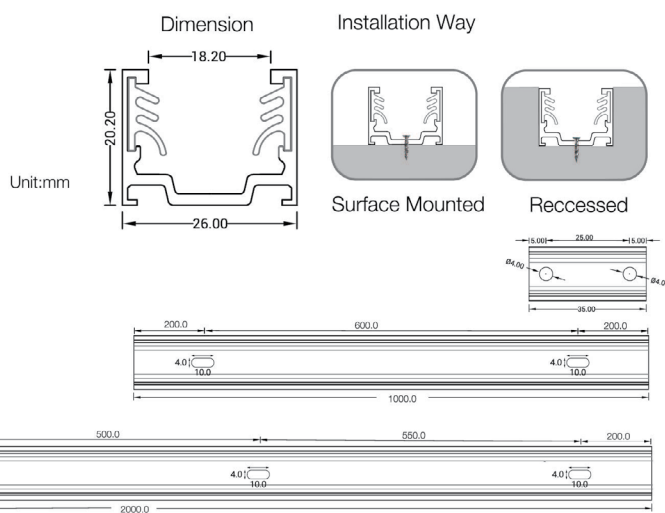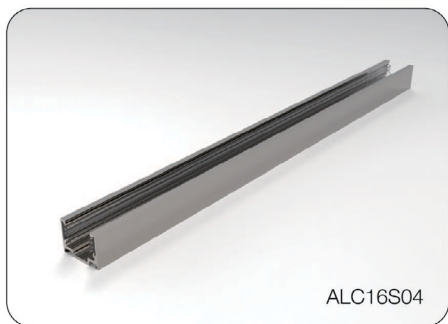
| Model | W x H(mm) | Standard Length | Screw Holes | Holes Numbers | Clips | Suitable Product |
|---|---|---|---|---|---|---|
| ALC16S04-035 | | 35mm | Φ4.0mm | 2 | 2 | F16, SF16 |
| ALC16S04-100 | 26.0*20.2 | 1000mm | 4.0x10mm | 2 | 2 | F16, SF16 |
| ALC16S04-200 | | 2000mm | 4.0x10mm | 4 | 2 | F16, SF16 |

## LED LINEAR FLEX MOUNTING CHANNEL

### 2. Flexible Aluminum Channel

Dimension

Installation Way

16.20

19.60

Unit:mm

20.40

Surface Mounted

ALC16S02FLX

5.0    14.0

500

5.0    14.0
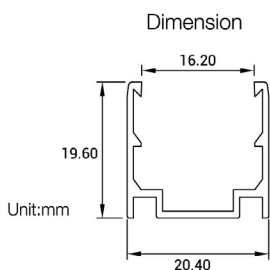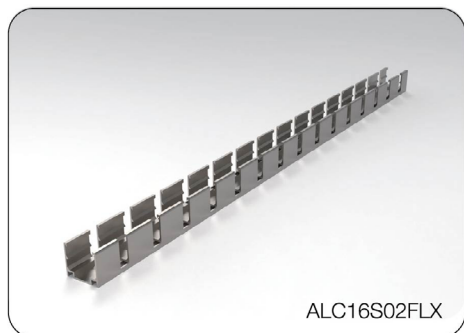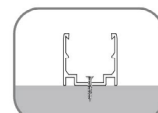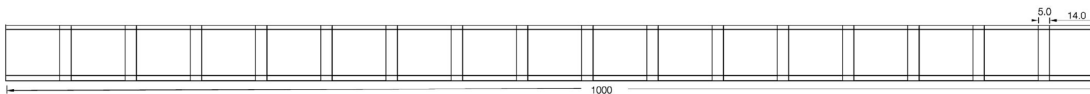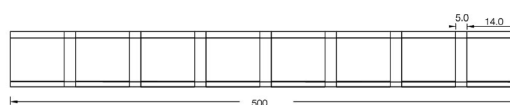
1000

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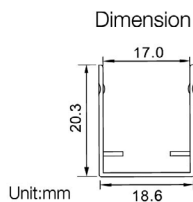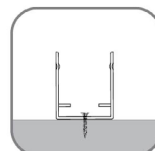
Dimension

Installation Way

17.0

20.3

Unit:mm

18.6

Surface Mounted    Reccessed

SSC16S02-100

15.0  50.0  50.0  50.0  50.0  50.0  50.0  50.0  50.0  50.0  50.0  50.0  50.0  50.0  50.0  50.0  50.0  50.0  15.0

1000.0
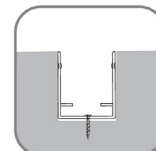
| Model | W x H(mm) | Standard Length | Screw Holes | Holes Numbers | Suitable Product |
|-------|-----------|-----------------|-------------|---------------|------------------|
| SSC16S02-100 | 18.6*20.3 | 1000mm | 4.0x10mm | 2 | F16, SF16 |

## LED LINEAR FLEX MOUNTING CHANNEL

SJJ-ZSH-008-PC

Dimension

15.0

28.7

23.3

Unit:mm

Installation Way

Surface Mounted

7.0

Ø4.40    Ø4.40

23.3

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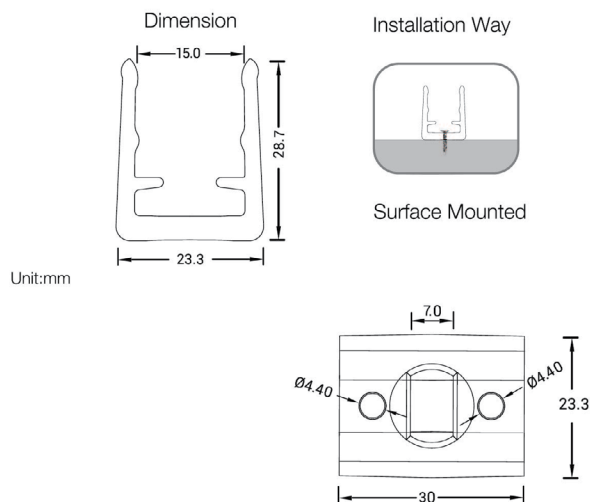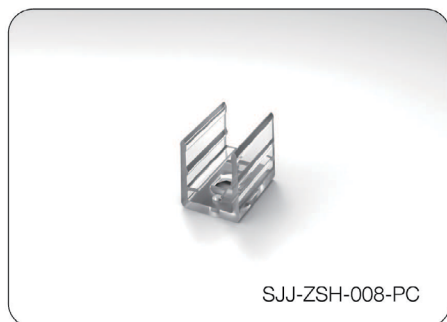
| Model | W x H(mm) | Standard Length | Screw Holes | Holes Numbers | Suitable Product |
|---|---|---|---|---|---|
| SJJ-ZSH-008-PC | 23.3*28.7 | 30mm | Φ4.40mm | 2 | F16, SF16 |

ALC-PC18S01-ST

Dimension

22.85

22.2

Unit:mm
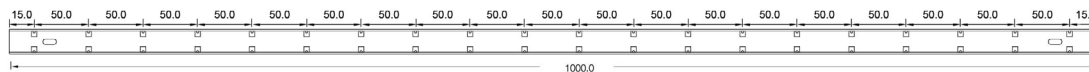
Installation Way

Surface Mounted

5.00  25.00  5.00
Ø4.00    Ø4.00
35.00

200.0    600.0    200.0
4.0        4.0
10.0      10.0
1000.0

200.0   550.0        500.0        550.0   200.0
4.0      4.0          4.0          4.0
10.0    10.0         10.0         10.0
2000.0
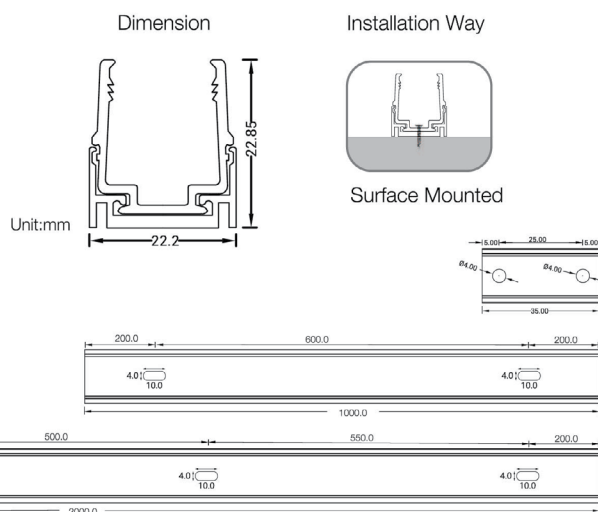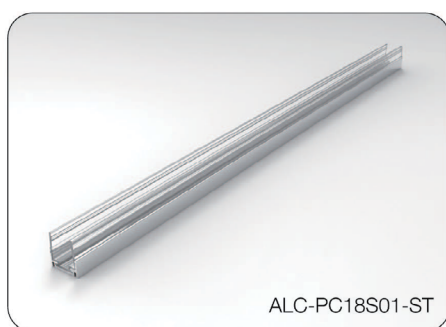
| Model | W x H(mm) | Standard Length | Screw Holes | Holes Numbers | Suitable Product |
|---|---|---|---|---|---|
| ALC-PC18S01-ST-035 | 22.2*22.85 | 35mm | Φ4.0mm | 2 | F16, SF16 |
| ALC-PC18S01-ST-100 | | 1000mm | 4.0x10mm | 2 | F16, SF16 |
| ALC-PC18S01-ST-200 | | 2000mm | 4.0x10mm | 4 | F16, SF16 |

## 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.