

## PRODUCT CATALOGUE

**IOTALAMP PRIVATE LIMITED** NEW DELHI | HONGKONG | VIETNAM  
www.iotalamp.com  
B-76, Okhla Industrial Area, Okhla Phase-II,  
New Delhi (110020)  
info@iotalamp.com

*iota***LAMP**

# MAKE RELIABLE PRODUCTS ONLY

## COLOR



Mono Color



Tunable White



RGB



RGBW



Pixel RGB



Pixel RGBW

## PRODUCT FEATURES

Ansi  
C78.377

Ansi C78.377



SDCM for LED

SDCM<3



Dimmable



One bin

One Bin

DMX  
Programmable

DMX512

SPI  
Programmable

SPI



IP68

Submersible



IP67

Outdoor



Ambient  
Temp.



Ambient  
Temp.



Class 3



LM-80



LM-79



TM-30



UV  
Resistant



Silicone Material

Anti  
Yellowing



Solvents  
Resistant



Flame  
Resistant



Saltwater  
Resistant



Dirt Resistant



IK08

## PRODUCT FEATURES



Warranty



Warranty



CE



IS 10222 (PART 5) SSEC (3) 2013



E50335



ISO9001



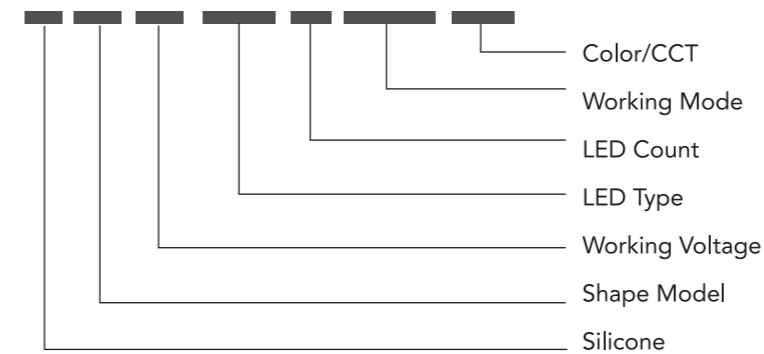
BSCI



CB

## MODEL ENCODING

S F15-24V-5050-70-DMX3-RGB



CCT includes: 2200K, 2700K, 3000K, 3500K, 4000K, 4500K, 5000K, 5700K, 6500K

Color includes: R=red, G=green, B=blue, A=amber, O=orange, P=pink, LY= lemon yellow

DW: Dual white/tunable white

CV: Constant voltage, IC: Built in constant current IC

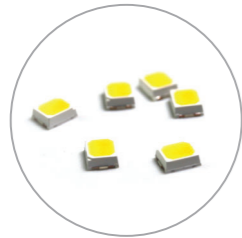
DMX: Compatible with standard DMX signal and extended DMX

SPI: Compatible with SPI (TTL) signal

## MATERIAL

A reliable product is made of superior material. We adopt first-class imported calendaring copper for FPC, the thickness of copper reaches to 4OZ, which is featured by its good conductivity and folding resistance. LED for standard orders are used from China top package manufacturers, which adopt Epistar chip for all white colors. The package and glue are cater-designed for outdoor products.

The materials of housing and body for LED linear flex are made by modified PVC or Silicone material, which is specially designed for outdoor application and harsh environment. The material adopted is resistant to UV, yellowish, solvents, saltwater, and dirt. The silicone material used is gas phase silicone which has much better performance of tensile strength and anti-aging than common silicone.



### LED

Chips for standard products is Epistar and packaged by ShenZhen top manufacturer. CREE, Lumileds are optional for Mono series. We keep one bin only by requesting LED supplier and using Kingdee ERP system for management. Furthermore, CRI95, R9, 3 Step MacAdam LED are optional.



### Housing Material

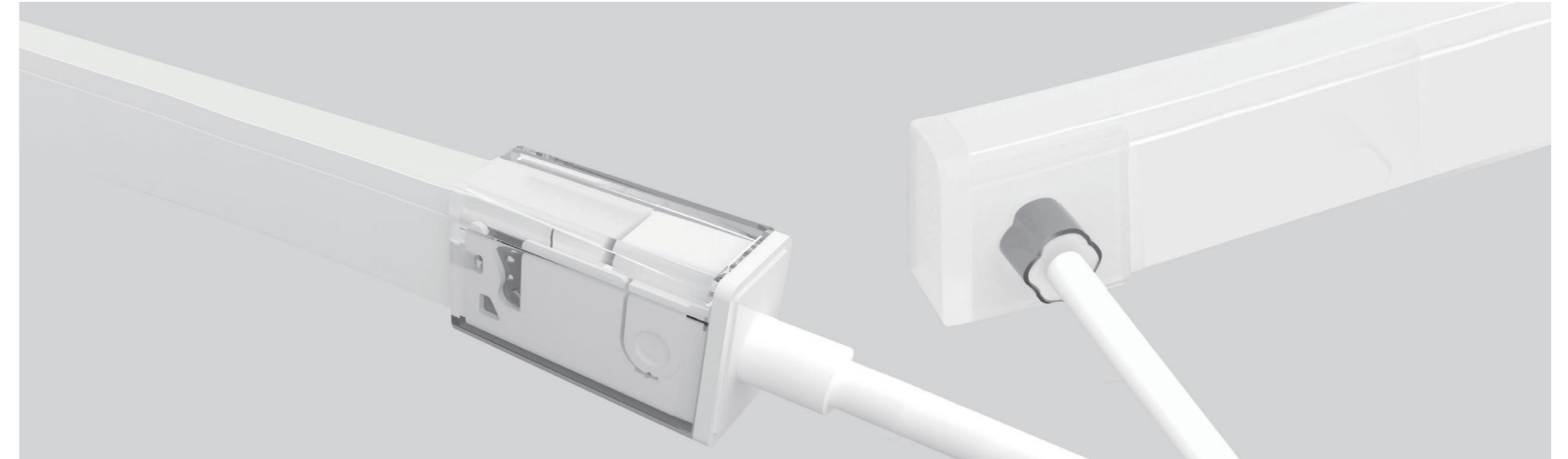
PVC or Silicone housing is optional. The quality of materials are quite different in the market. Based on our patented process technology we seal our products in a continuous cover of high quality material, which is resistant against UV, corrosion, solvents and saltwater.



### FPC

Optimized heat transfer to housing to ensure lifespan and color consistency. Minimize the voltage drop to ensure same brightness from 0.1m to 20 meters. It's reliable for bending in performance.

## CONNECTOR



	Mold injection			
Advantage	① IP68 waterproof rating, suitable for extreme harsh applications like pool, saltwater, and seaside.	② High reliability, pre-installed in factory with strict quality tests before shipment.	③ Cost-saving for installation, contractors don't need to spend labor and time on connector assembling.	④ Seamless joint realized by side and bottom cable entry.
Disadvantage	① Can not DIY.	② Length needs to be provided before order.		

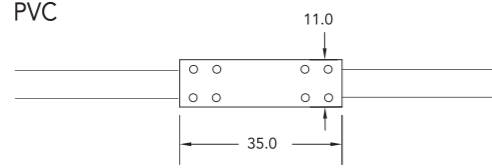
	DIY connectors		
Advantage	① Flexible customization, can be cut and re-connected by end-user.	② IP67 waterproof rating for normal outdoor environment.	③ More suitable for retail and end-user market.
Disadvantage	① Can not be used underwater.	② Reliability varies from different workers.	③ Seamless joint can not be realized.

# WATERPROOF IP68

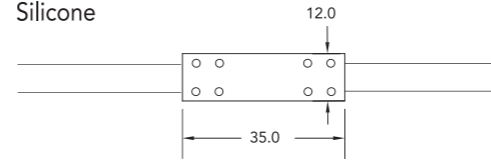
This stainless steel waterproof device is a very important waterproof accessory for outdoor bare wire products. The theory is by breaking the copper wire, re-welding with interrupter, then sealing the welding joint by mold-injecting high density & high viscosity material, so that LED linear flex is completely isolated from the external wiring, realizing that the wiring can not be penetrated with any air or moisture, in spite of the pressure and temperature aroused from LED linear flex.



PVC



Silicone

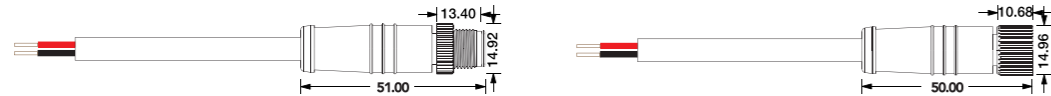


Type	Mold Injection Side	Mold Injection Bottom	Mold Injection Direct	Mold Injection Bottom L	DIY Screw Connector	DIY Snap Connector
Photos						
SF06	√	√	√			√
SF08	√	√	√			√
SF09	√	√	√			√
F10/SF10	√	√	√			√
F15/SF15	√	√	√		√	√
F16/SF16	√	√	√	√	√	√
F17/SF17	√	√	√		√	√
F18/SF18	√	√	√	√	√	√
F21/SF21	√	√	√		√	√
SP01			√			√
SFW20		√	√			

## CABLE WITH FEMALE & MALE CONNECTOR

The male & female waterproof connector is made by two layers of injection molding with high viscosity TPU and high density nylon material inside.

The quality control is conducted by blow test with air in water and the result should be without any bubbles. After locked by the stainless steel locking ring, it has outstanding reliability and waterproof performance with IP68 rating.

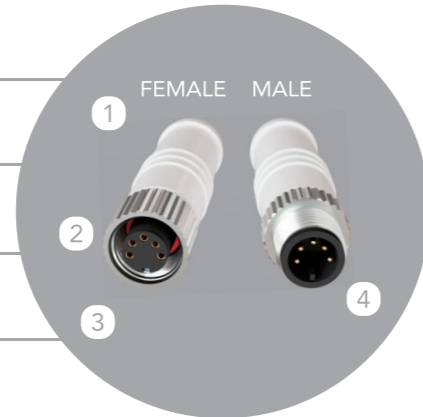


1. Double-layer high-viscosity TPU

2. 316 stainless steel material

3. Nylon material

4. Solid Copper Pin



## CUSTOMIZATION

1 Available to customize the color temperature from 1800K to 6500K, color like R/G/B/LY/P/A/O.



2 Available to customize CRI, R9.



3 Printing BIS LOGO on Product and Packaging Box.



4 Available to customize the labels.



5 Available to customize the length of LED linear flex catered to your projects.



6 Available to customize the cable. Standard length=0.6m (Bare wire) 0.3m (with male/female connector)



7 Available to customize the package. Plastic plate is suitable for selling & paper reel packing is using on project.



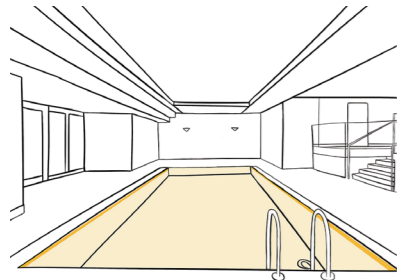
8 Available to customize different mold injection connector (direct, side, bottom entry)



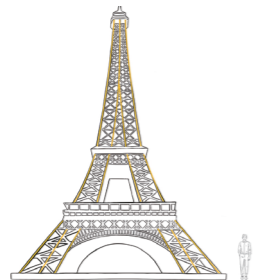
9 Available to develop new cross sections and profiles for specific project



# APPLICATION ENVIRONMENT



Fresh water swimming pool  
(PVC/Silicone Material)



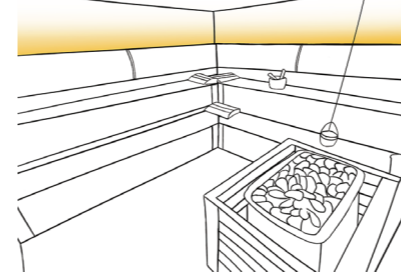
Outdoor metal surface  
(Silicone Material)



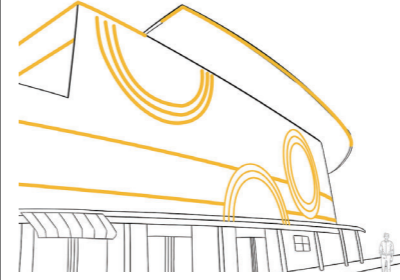
Indoor concealed slot  
(PVC/Silicone Material)



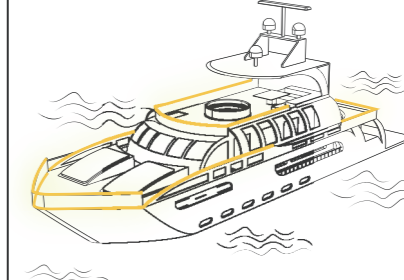
Embedded in the outdoor  
concrete wall (Silicone Material)



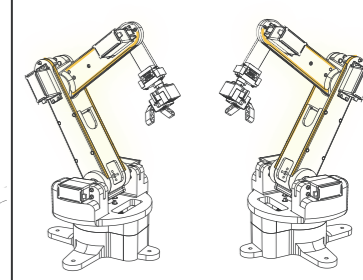
Sauna  
(Silicone Material)



Outdoor concrete wall  
(PVC/Silicone Material)



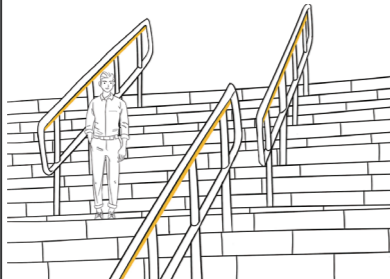
Yacht  
(PVC/Silicone Material)



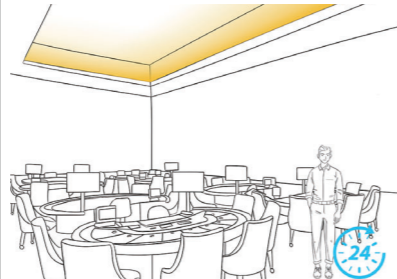
Machine  
(PVC/Silicone Material)



Seawater swimming pool  
(PVC Material)



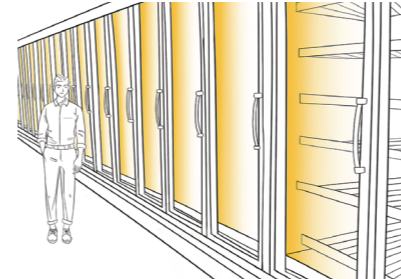
Outdoor metal handrail  
(Silicone Material)



24 hours full time working  
(PVC/Silicone Material)



Embedded in the indoor floor  
(PVC/Silicone Material)



Freezer  
(Silicone Material)



Signage  
(PVC/Silicone Material)



Mining  
(Silicone Material)



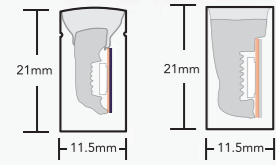
Cabinet  
(PVC/Silicone Material)

# LED LINEAR FLEX 15 SERIES

SIDE BEND, DOT-FREE, HOT SALE

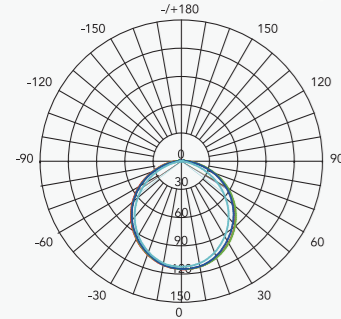
With the cross section of 11.5mm (W) x 21mm (H), 15 series offers complete color options, including mono color, tunable white, RGB, RGBW, DMX and SPI pixel chasing.

- CRI [ >80; >90 ]
- COLOR TEMPERATURE [ 2200K-6500K ]
- LUMEN OUTPUT [ 25lm-460lm ]



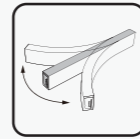
F15

SF15

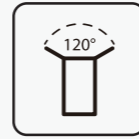


Illuminance Distribution

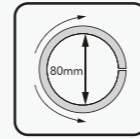
- Mono
- Tunable White
- RGB(W)
- Pixel Chasing



Horizontal Bending



Beam Angle



Min. Bending Diameter

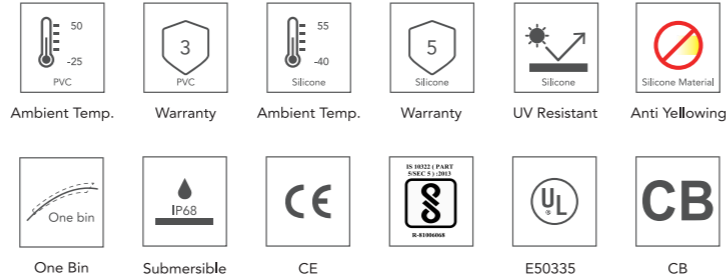
## MIX CITY



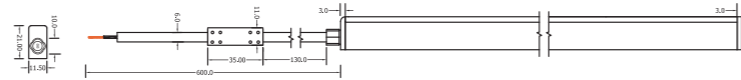
## Led Linear Flex F15/SF15 Series



### Product Features

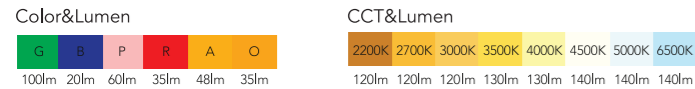


### Product Dimensions



### Electrical & Output Data

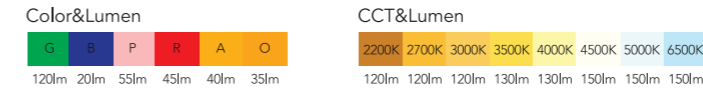
15 Mono Color	F15/SF15-12V-3528-72 <span style="background-color: #0056b3; color: white; padding: 2px;">12V</span>
Input Voltage	12V DC
Power Consumption	5W/m
Working Mode	PWM CV
LED Type	SMD3528
LED Count/m	72pcs
Cutting Unit	6LEDs
Cutting Length	8.33cm
Max. Length Single Feed	22.96'/7m
Max. Length Double Feed	45.93'/14m



15 Mono Color	F15/SF15-24V-3528-72-CC <span style="background-color: #0056b3; color: white; padding: 2px;">Built in IC</span>
Input Voltage	24V DC
Power Consumption	10W/m
Working Mode	PWM CV (CC IC)
LED Type	SMD3528
LED Count/m	72pcs
Cutting Unit	6LEDs
Cutting Length	8.33cm
Max. Length Single Feed	49.21'/15m
Max. Length Double Feed	98.42'/30m



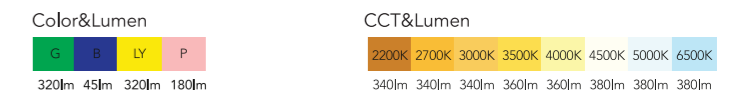
15 Mono Color	F15/SF15-24V-3528-72
Input Voltage	24V DC
Power Consumption	5W/m
Working Mode	PWM CV
LED Type	SMD3528
LED Count/m	72pcs
Cutting Unit	12LEDs
Cutting Length	16.67cm
Max. Length Single Feed	49.21'/15m
Max. Length Double Feed	98.42'/30m



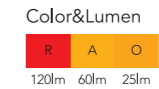
15 Mono Color	F15/SF15-24V-5050-60 <span style="background-color: #0056b3; color: white; padding: 2px;">Hot Sale</span>
Input Voltage	24V DC
Power Consumption	12W/m
Working Mode	PWM CV
LED Type	SMD5050
LED Count/m	60pcs
Cutting Unit	6LEDs
Cutting Length	10cm
Max. Length Single Feed	32.8'/10m
Max. Length Double Feed	65.61'/20m



15 Mono Color	F15/SF15-24V-5050-84
Input Voltage	24V DC
Power Consumption	15W/m
Working Mode	PWM CV
LED Type	SMD5050
LED Count/m	84pcs
Cutting Unit	7LEDs
Cutting Length	8.33cm
Max. Length Single Feed	26.24'/8m
Max. Length Double Feed	52.49'/16m



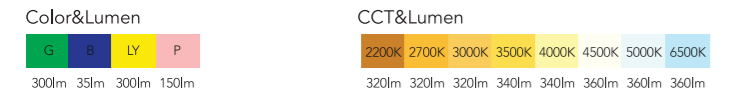
15 Mono Color	F15/SF15-24V-5050-60-U10
Input Voltage	24V DC
Power Consumption	7.2W/m
Working Mode	PWM CV
LED Type	SMD5050
LED Count/m	60pcs
Cutting Unit	10LEDs
Cutting Length	16.67cm
Max. Length Single Feed	49.21'/15m
Max. Length Double Feed	98.42'/30m





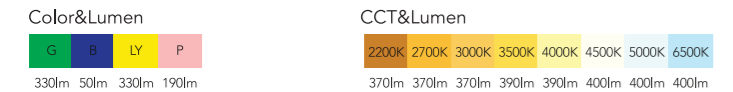
15 Mono Color **F15/SF15-24V-5050-72-U2**

Input Voltage	24V DC
Power Consumption	13W/m
Working Mode	PWM CV
LED Type	SMD5050
LED Count/m	72pcs
Cutting Unit	2LEDs
Cutting Length	2.77cm
Max. Length Single Feed	32.8'/10m
Max. Length Double Feed	65.61'/20m



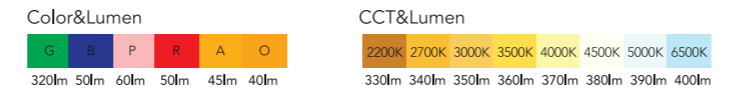
15 Mono Color **F15/SF15-48V-5050-60** **48V**

Input Voltage	48V DC
Power Consumption	10W/m
Working Mode	PWM CV
LED Type	SMD5050
LED Count/m	60pcs
Cutting Unit	15LEDs
Cutting Length	25cm
Max. Length Single Feed	65.61'/20m
Max. Length Double Feed	131.23'/40m



15 Mono Color **F15/SF15-48V-3528-140**

Input Voltage	48V DC
Power Consumption	9W/m
Working Mode	PWM CV
LED Type	SMD3528
LED Count/m	140pcs
Cutting Unit	14LEDs
Cutting Length	10cm
Max. Length Single Feed	65.61'/20m
Max. Length Double Feed	131.23'/40m



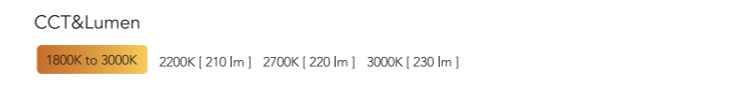
15 Tunable White **F15/SF15-24V-2835-120-DW**

Input Voltage	24V DC
Power Consumption	12W/m
Working Mode	PWM CV
LED Type	SMD2835
LED Count/m	120pcs
Cutting Unit	12LEDs
Cutting Length	10cm
Max. Length Single Feed	32.8'/10m
Max. Length Double Feed	65.61'/20m



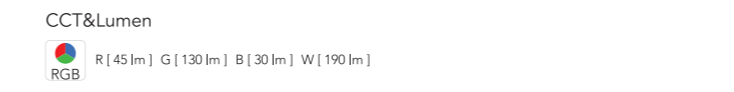
15 Dim to Warm **F15/SF15-24V-2835-120-DTW** **DTW**

Input Voltage	24V DC
Power Consumption	12W/m
Working Mode	DTW
LED Type	SMD2835
LED Count/m	120pcs
Cutting Unit	12LEDs
Cutting Length	10cm
Max. Length Single Feed	32.8'/10m
Max. Length Double Feed	65.61'/20m



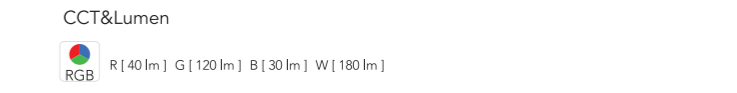
15 Multi RGB **F15/SF15-24V-5050-60-RGB**

Input Voltage	24V DC
Power Consumption	12W/m
Working Mode	PWM CV
LED Type	SMD5050
LED Count/m	60pcs
Cutting Unit	6LEDs
Cutting Length	10cm
Max. Length Single Feed	32.8'/10m
Max. Length Double Feed	65.61'/20m



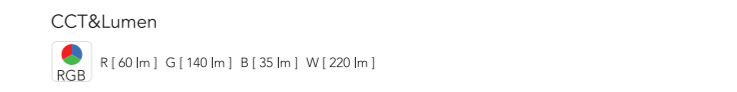
15 Multi RGB **F15/SF15-12V-5050-60-RGB** **12V**

Input Voltage	12V DC
Power Consumption	11W/m
Working Mode	PWM CV
LED Type	SMD5050
LED Count/m	60pcs
Cutting Unit	3LEDs
Cutting Length	5cm
Max. Length Single Feed	16.4'/5m
Max. Length Double Feed	32.8'/10m




15 Multi RGB **F15/SF15-48V-5050-60-RGB** **48V**

Input Voltage	48V DC
Power Consumption	10W/m
Working Mode	PWM CV
LED Type	SMD5050
LED Count/m	60pcs
Cutting Unit	15LEDs
Cutting Length	25cm
Max. Length Single Feed	65.61'/20m
Max. Length Double Feed	131.23'/40m




**15 Multi RGB F15/SF15-24V-5050-72-RGB**

Input Voltage	24V DC
Power Consumption	13W/m
Working Mode	PWM CV
LED Type	SMD5050
LED Count/m	72pcs
Cutting Unit	6LEDs
Cutting Length	8.33cm
Max. Length Single Feed	32.8'/10m
Max. Length Double Feed	65.61'/20m

CCT&Lumen  
 RGB R [ 60 lm ] G [ 140 lm ] B [ 40 lm ] W [ 200 lm ]


**15 Multi RGBW F15/SF15-12V-5050-60-RGBW**

Input Voltage	12V DC
Power Consumption	17W/m
Working Mode	PWM CV
LED Type	SMD5050
LED Count/m	60pcs
Cutting Unit	3LEDs
Cutting Length	5cm
Max. Length Single Feed	16.40'/5m
Max. Length Double Feed	32.8'/10m

Color/CCT&Lumen  
 RGB R [ 30 lm ] G [ 100 lm ] B [ 25 lm ] W [ 300 lm ] + 2700K 3000K 4000K 5000K 130lm 140lm 150lm 160lm


**15 Multi RGBW F15/SF15-24V-5050-60-RGBW**

Input Voltage	24V DC
Power Consumption	17W/m
Working Mode	PWM CV
LED Type	SMD5050
LED Count/m	60pcs
Cutting Unit	6LEDs
Cutting Length	10cm
Max. Length Single Feed	26.24'/8m
Max. Length Double Feed	52.49'/16m

Color/CCT&Lumen  
 RGB R [ 35 lm ] G [ 110 lm ] B [ 29 lm ] W [ 310 lm ] + 2700K 3000K 4000K 5000K 140lm 150lm 160lm 170lm

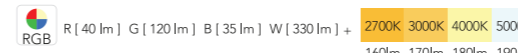
**15 Multi RGBX F15/SF15-24V-3535+2835-60-RGBX**

Input Voltage	24V DC
Power Consumption	17W/m
Working Mode	PWM CV
LED Type	SMD3535+2835
Ra	80/90/95
LED Count/m	60pcs
Cutting Unit	6LEDs
Cutting Length	10cm
Max. Length Single Feed	26.24'/8m
Max. Length Double Feed	52.49'/16m

Color/CCT&Lumen X=1800K/2200K/2500K/2700K/3000K/4000K 5700K/6500K, Amber or other colors  
 RGB R [ 40 lm ] G [ 120 lm ] B [ 30 lm ] W [ 300 lm ] + 1800K 2200K 2500K 2700K 3000K 4000K 5000K 5700K 150lm 160lm 170lm 180lm 190lm 200lm 210lm 220lm 6500K Amber 230lm 120lm

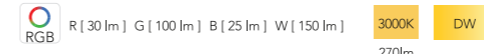
**15 Multi RGBW F15/SF15-24V-5050-72-RGBW**

Input Voltage	24V DC
Power Consumption	17W/m
Working Mode	PWM CV
LED Type	SMD5050
LED Count/m	72pcs
Cutting Unit	6LEDs
Cutting Length	8.33cm
Max. Length Single Feed	26.24'/8m
Max. Length Double Feed	52.49'/16m

Color/CCT&Lumen  
 RGB R [ 40 lm ] G [ 120 lm ] B [ 35 lm ] W [ 330 lm ] + 2700K 3000K 4000K 5000K 160lm 170lm 180lm 190lm

**15 DMX Pixel Chasing F15/SF15-24V-5050-56-DMX3-RGB**

Input Voltage	24V DC
Power Consumption	11W/m
Working Mode	DMX (RS485)
LED Type	SMD5050
LED Count/m	56pcs
Cutting Unit	7LEDs
Cutting Length	12.5cm
Pixels Count/m	8Pixels
Max. Length Single Feed	26.24'/8m
Max. Length Double Feed	52.49'/16m

Color/CCT&Lumen  
 RGB R [ 30 lm ] G [ 100 lm ] B [ 25 lm ] W [ 150 lm ] 3000K DW 270lm


**15 Multi RGBW F15/SF15-24V-5050-84-RGBW**

Input Voltage	24V DC
Power Consumption	20W/m
Working Mode	PWM CV
LED Type	SMD5050
LED Count/m	84pcs
Cutting Unit	6LEDs
Cutting Length	7.14cm
Max. Length Single Feed	22.96'/7m
Max. Length Double Feed	45.93'/14m

Color/CCT&Lumen  
 RGB R [ 45 lm ] G [ 130 lm ] B [ 40 lm ] W [ 340 lm ] + 2700K 3000K 4000K 5000K 180lm 190lm 200lm 210lm

**15 DMX Pixel Chasing F15/SF15-24V-5050-72-DMX3-RGB**

Input Voltage	24V DC
Power Consumption	9W/m
Working Mode	DMX (RS485)
LED Type	SMD5050
LED Count/m	72pcs
Cutting Unit	12LEDs
Cutting Length	16.67cm
Pixels Count/m	6Pixels
Max. Length Single Feed	32.8'/10m
Max. Length Double Feed	65.61'/20m

Color/CCT&Lumen  
 RGB R [ 30 lm ] G [ 100 lm ] B [ 25 lm ] W [ 150 lm ] 3000K DW 300lm

## Mold Injection Connector (IP68 rated protection)



Direct Entry Connector



Side Entry Connector



Bottom Entry Connector



End Cap

## DIY Assemble Connector (IP67 rated protection)



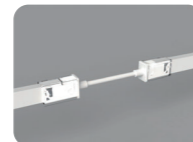
DIY Snap Connector

DIY-SN-FR-15-D-01/02-A/DW/RGB  
2/3/4 Pins (Cable length: 30cm)  
DIY snap front connector kit  
Direct cable output



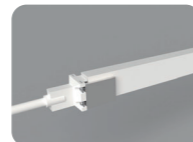
DIY Snap End Cap

DIY-SN-END-15-01/02  
DIY snap end cap kit



DIY Snap Extension Connector

DIY-SN-EXT-15-A/DW/RGB  
2/3/4 Pins  
DIY snap extension connector kit  
Cable length: 30cm



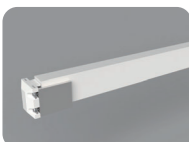
DIY Screw Connector

DIY-SC-FR-15-D-01/02-A/DW/RGB  
2/3/4 Pins  
DIY screw front connector kit  
Direct cable output



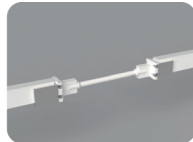
DIY Screw Connector

DIY-SC-FR-15-B-01-A/DW/RGB  
2/3/4 Pins  
DIY screw front connector kit  
Bottom cable output



DIY Screw End Cap

DIY-SC-END-15  
DIY screw end cap kit



DIY Screw Extension Connector

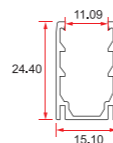
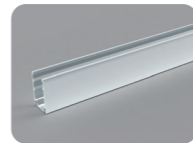
DIY-SC-EXT-15-A/DW/RGB  
2/3/4 Pins  
DIY screw extension connector kit



DIY Splice Connector

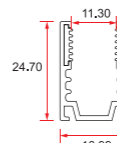
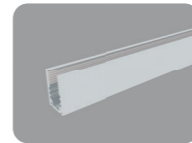
DIY-SN-SP-15-A  
DIY splice connector kit

## Mounting Profile



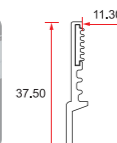
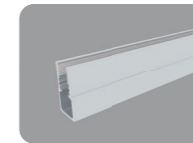
ALC15S01

Use for: 15 & 21 series  
Length: 3.5/100/200cm  
Material: aluminum alloy  
Optional Color: AS/AB/PW  
Type: standard



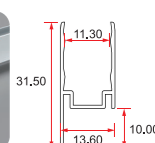
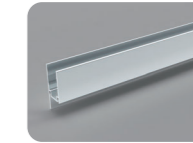
ALC15S04

Use for: 15 & 21 series  
Length: 3.5/100/200cm  
Material: aluminum alloy+polyvinyl chloride  
Color: silver+milky white  
Type: anti-drop



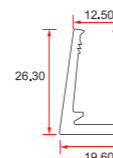
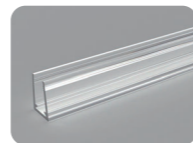
ALC15H05

Use for: 15 & 21 series  
Length: 3.5/100/200cm  
Material: aluminum alloy+polyvinyl chloride  
Color: silver+milky white  
Type: cable hiding & anti-drop



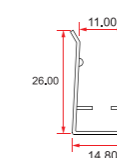
ALC15V01

Use for: 15 & 21 series  
Length: 3.5/100/200cm  
Material: aluminum alloy  
Optional color: AS/AB/PW



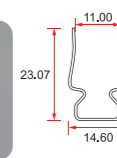
PC15/21S01-T

Use for: 15 & 21 series  
Length: 3.5/100cm  
Material: plastic  
Color: transparent  
Type: standard



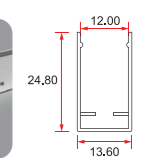
SSC15FLX

Use for: 15 & 21 series  
Length: 10/30/50/100cm  
Material: stainless steel  
Surface treatment: Polished  
Type: flexible



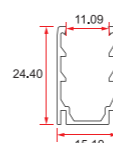
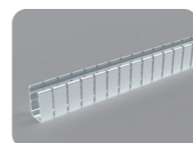
SSC15S01-05

Use for: 15 & 21 series  
Length: 5cm  
Material: stainless steel  
Surface: natural color  
Type: 316 stainless steel



SSC15S02-100

Use for: 15 & 21 series  
Length: 100cm  
Material: stainless steel  
Surface: natural color  
Type: 316 stainless steel



ALC15S01FLX

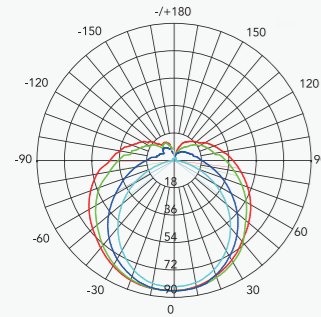
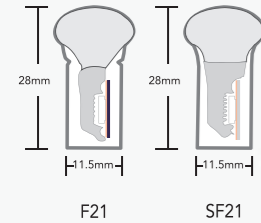
Use for: 15 & 21 series  
Length: 50/100/200cm  
Material: aluminum alloy  
Optional Color: AS/AB/PW  
Type: flexible

# LED LINEAR FLEX 21 SERIES

WIDE BEAM ANGLE, SIDE BEND, MORE EVEN

The dimension of 21 series is 11.5mm (W) x 28mm (H) featuring wide beam angle of 270 degree, emitting high-performance homogeneous light for building facade, landscape, swimming pool, concealed slot, metal surface, sauna, freezer, sign, etc. 21 series are provided with mono color, tunable white, RGB, RGBW, DMX & SPI signal pixel chasing for choice.

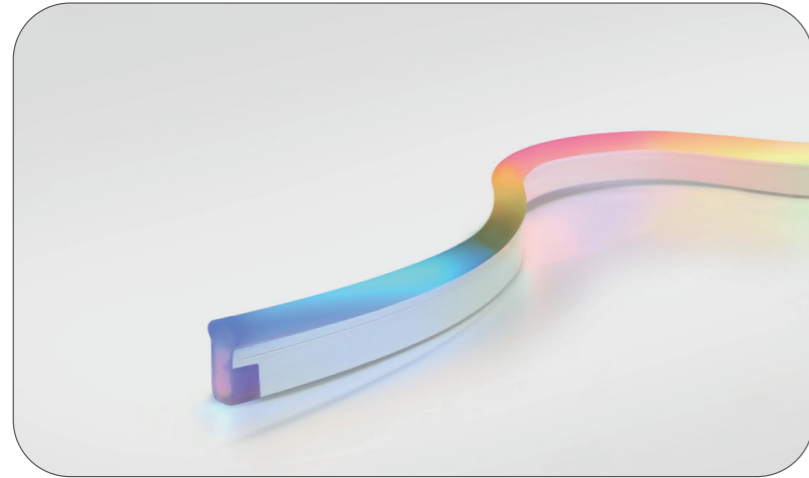
- CRI [ >80; >90 ]
- COLOR TEMPERATURE [ 2200K-6500K ]
- LUMEN OUTPUT [ 17lm-450lm ]



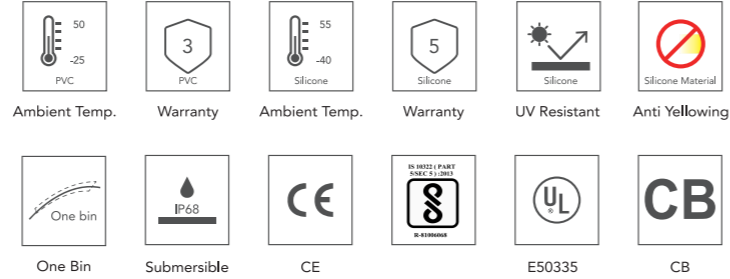
- Mono
- Tunable White
- RGB(W)
- Pixel Chasing



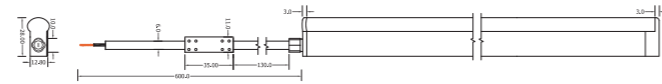
## Led Linear Flex F21/SF21 Series



## Product Features

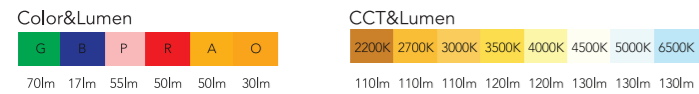


## Product Dimensions

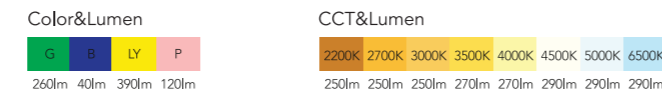


## Electrical & Output Data

21 Mono Color	F21/SF21-12V-3528-72
Input Voltage	12V DC
Power Consumption	5W/m
Working Mode	PWM CV
LED Type	SMD3528
LED Count/m	72pcs
Cutting Unit	6LEDs
Cutting Length	8.33cm
Max. Length Single Feed	22.96'/7m
Max. Length Double Feed	45.93'/14m



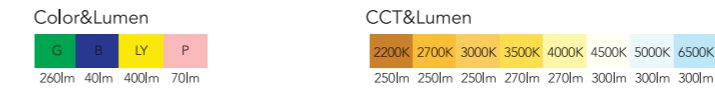
21 Mono Color	F21/SF21-24V-3528-72-CC
Input Voltage	24V DC
Power Consumption	10W/m
Working Mode	PWM CV (CC IC)
LED Type	SMD3528
LED Count/m	72pcs
Cutting Unit	6LEDs
Cutting Length	8.33cm
Max. Length Single Feed	49.21'/15m
Max. Length Double Feed	98.42'/30m



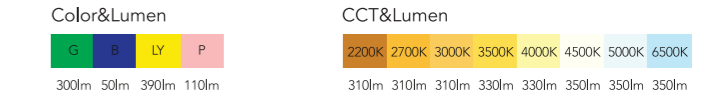
21 Mono Color	F21/SF21-24V-3528-72
Input Voltage	24V DC
Power Consumption	5W/m
Working Mode	PWM CV
LED Type	SMD3528
LED Count/m	72pcs
Cutting Unit	12LEDs
Cutting Length	16.67cm
Max. Length Single Feed	49.21'/15m
Max. Length Double Feed	98.42'/30m



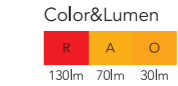
21 Mono Color	F21/SF21-24V-5050-60
Input Voltage	24V DC
Power Consumption	12W/m
Working Mode	PWM CV
LED Type	SMD5050
LED Count/m	60pcs
Cutting Unit	6LEDs
Cutting Length	10cm
Max. Length Single Feed	32.8'/10m
Max. Length Double Feed	65.61'/20m



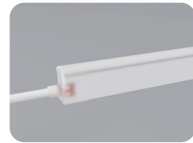
21 Mono Color	F21/SF21-24V-5050-84
Input Voltage	24V DC
Power Consumption	15W/m
Working Mode	PWM CV
LED Type	SMD5050
LED Count/m	84pcs
Cutting Unit	7LEDs
Cutting Length	8.33cm
Max. Length Single Feed	26.24'/8m
Max. Length Double Feed	52.49'/16m



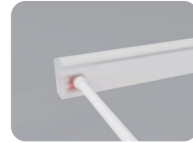
21 Mono Color	F21/SF21-24V-5050-60-U10
Input Voltage	24V DC
Power Consumption	7.2W/m
Working Mode	PWM CV
LED Type	SMD5050
LED Count/m	60pcs
Cutting Unit	10LEDs
Cutting Length	16.67cm
Max. Length Single Feed	49.21'/15m
Max. Length Double Feed	98.42'/30m



## Mold Injection Connector (IP68 rated protection)



Direct Entry Connector



Side Entry Connector

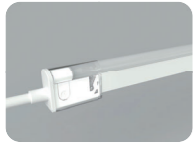


Bottom Entry Connector



End Cap

## DIY Assemble Connector (IP67 rated protection)



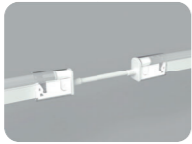
DIY Snap Connector

DIY-SN-FR-21-D-01-A/DW/RGB  
2/3/4 Pins (Cable length: 30cm)  
DIY snap front connector kit  
Direct cable output



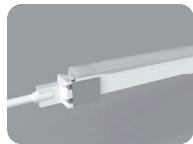
DIY Snap End Cap

DIY-SN-END-21- 01/02  
DIY snap end cap kit



DIY Snap Extension Connector

DIY-SN-EXT-21-A/DW/RGB  
2/3/4 Pins  
DIY snap extension connector kit  
Cable length: 30cm



DIY Screw Connector

DIY-SC-FR-15-D-01/02-A/DW/RGB  
2/3/4 Pins  
DIY screw front connector kit  
Direct cable output



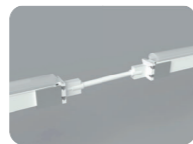
DIY Screw Connector

DIY-SC-FR-15-B-01/02-A/DW/RGB  
2/3/4 Pins  
DIY screw front connector kit  
Bottom cable output



DIY Screw End Cap

DIY-SC-END-15  
DIY screw end cap kit



DIY Screw Extension Connector

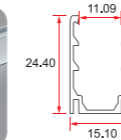
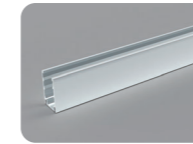
DIY-SC-EXT-15-A/DW/RGB  
2/3/4 Pins  
DIY screw extension connector kit



DIY Splice Connector

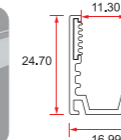
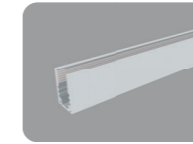
DIY-SN-SP-21-A  
DIY splice connector kit

## Mounting Profile



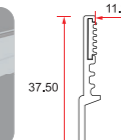
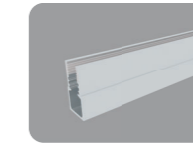
ALC15S01

Use for: 15 & 21 series  
Length: 3.5/100/200cm  
Material: aluminum alloy  
Optional Color: AS/AB/PW  
Type: standard



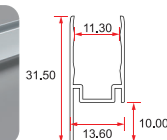
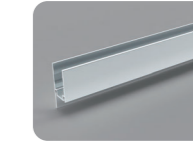
ALC15S04

Use for: 15 & 21 series  
Length: 3.5/100/200cm  
Material: aluminum alloy+polyvinyl chloride  
Color: silver+milky white  
Type: anti-drop



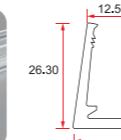
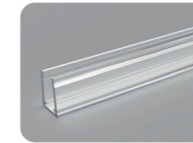
ALC15H05

Use for: 15 & 21 series  
Length: 3.5/100/200cm  
Material: aluminum alloy+polyvinyl chloride  
Color: silver+milky white  
Type: cable hiding & anti-drop



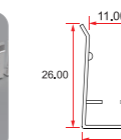
ALC15V01

Use for: 15 & 21 series  
Length: 3.5/100/200cm  
Material: aluminum alloy  
Optional color: AS/AB/PW



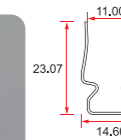
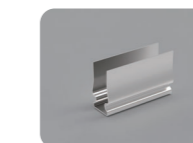
PC15/21S01-T

Use for: 15 & 21 series  
Length: 3.5/100cm  
Material: plastic  
Color: transparent  
Type: standard



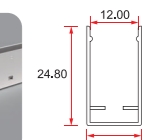
SSC15FLX

Use for: 15 & 21 series  
Length: 10/30/50/100cm  
Material: stainless steel  
Surface treatment: Polished  
Type: flexible



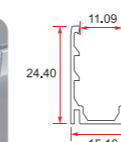
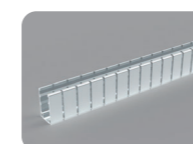
SSC15S01-05

Use for: 15 & 21 series  
Length: 5cm  
Material: stainless steel  
Surface: natural color  
Type: 316 stainless steel



SSC15S02-100

Use for: 15 & 21 series  
Length: 100cm  
Material: stainless steel  
Surface: natural color  
Type: 316 stainless steel



ALC15S01FLX

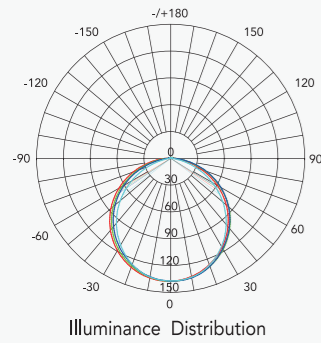
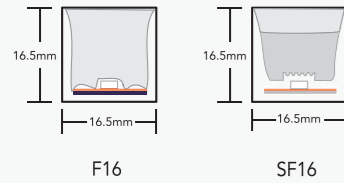
Use for: 15 & 21 series  
Length: 50/100/200cm  
Material: aluminum alloy  
Optional Color: AS/AB/PW  
Type: flexible

# LED LINEAR FLEX 16 SERIES

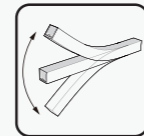
TOP BEND, LINEAR LIGHTING, HIGH EFFICIENCY

With a cross section of 16.5mm x 16.5mm, 16 series provides both PVC and Silicone options. It covers complete options like mono color, tunable white, RGB, RGBW, DMX and SPI pixel chasing.

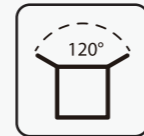
- CRI [ >80; >90 ]
- COLOR TEMPERATURE [ 2200K-6500K]
- LUMEN OUTPUT [ 40lm-745lm ]



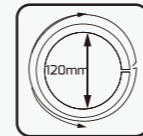
- Mono
- Tunable White
- RGB(W)
- Pixel Chasing



Vertical Bending

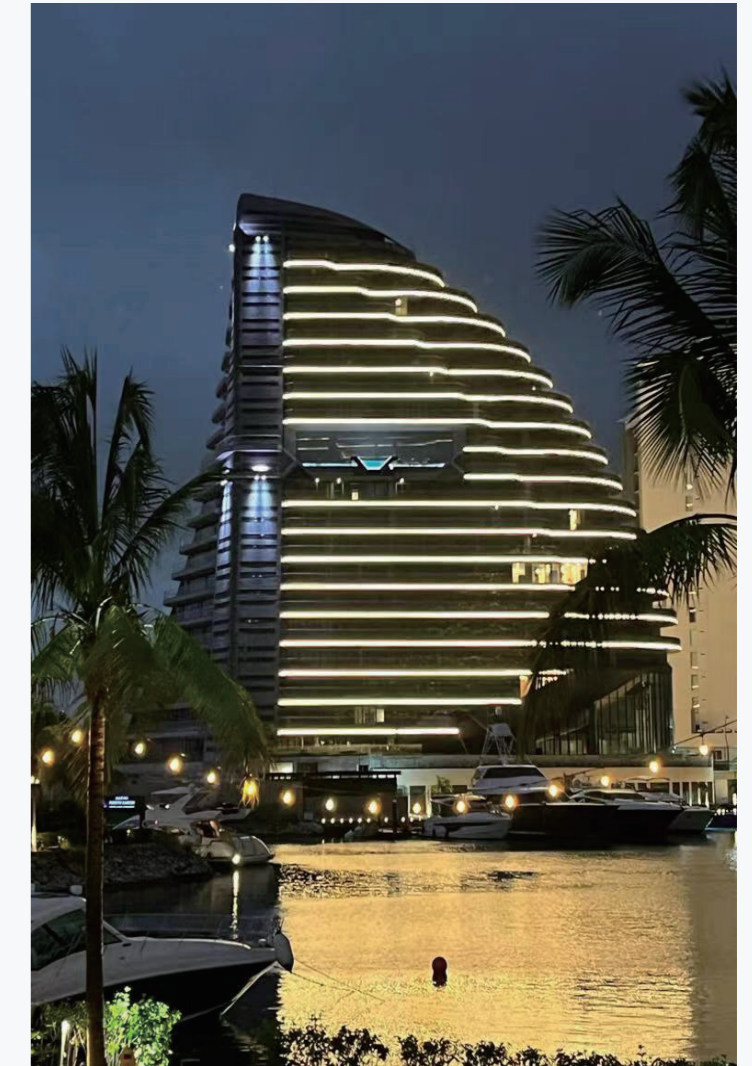


Beam Angle

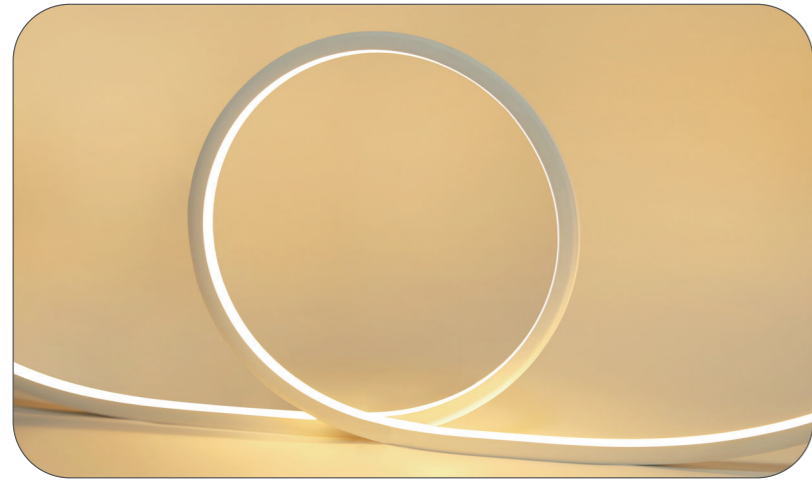


Min. Bending Diameter

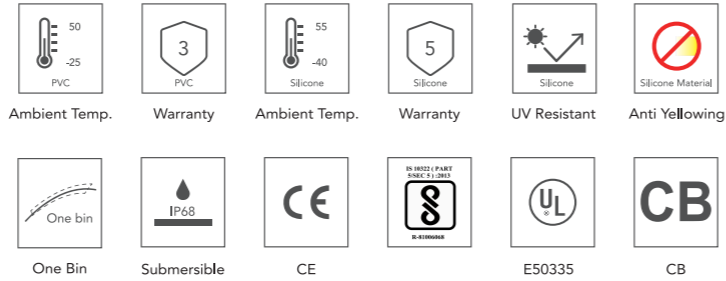
# SHARK TOWER



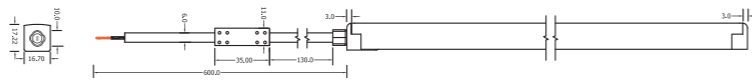
## Led Linear Flex F16/SF16 Series



## Product Features



## Product Dimensions



## Electrical & Output Data

16 Mono Color	F16/SF16-24V-3528-144 <span style="background-color: #0056b3; color: white; padding: 2px;">Hot Sale</span>
Input Voltage	24V DC
Power Consumption	10W/m
Working Mode	PWM CV
LED Type	SMD3528
LED Count/m	144pcs
Cutting Unit	12LEDs
Cutting Length	8.33cm
Max. Length Single Feed	32.8'/10m
Max. Length Double Feed	65.61'/20m
Color&Lumen	CCT&Lumen
<span style="background-color: #008000; color: white; padding: 2px;">G</span> <span style="background-color: #0000ff; color: white; padding: 2px;">B</span> <span style="background-color: #ff00ff; color: white; padding: 2px;">P</span> <span style="background-color: #ff0000; color: white; padding: 2px;">R</span> <span style="background-color: #ffa500; color: white; padding: 2px;">A</span> <span style="background-color: #ffa500; color: white; padding: 2px;">O</span>	<span style="background-color: #e67e22; color: white; padding: 2px;">2200K</span> <span style="background-color: #f1c40f; color: white; padding: 2px;">2700K</span> <span style="background-color: #f1c40f; color: white; padding: 2px;">3000K</span> <span style="background-color: #f1c40f; color: white; padding: 2px;">3500K</span> <span style="background-color: #f1c40f; color: white; padding: 2px;">4000K</span> <span style="background-color: #f1c40f; color: white; padding: 2px;">4500K</span> <span style="background-color: #f1c40f; color: white; padding: 2px;">5000K</span> <span style="background-color: #f1c40f; color: white; padding: 2px;">6500K</span>
330lm 60lm 180lm 120lm 110lm 290lm	360lm 360lm 360lm 380lm 380lm 400lm 400lm 400lm

16 Mono Color	F16/SF16-24V-3528-120
Input Voltage	24V DC
Power Consumption	9W/m
Working Mode	PWM CV
LED Type	SMD3528
LED Count/m	120pcs
Cutting Unit	12LEDs
Cutting Length	10cm
Max. Length Single Feed	32.8'/10m
Max. Length Double Feed	65.61'/20m
Color&Lumen	CCT&Lumen
<span style="background-color: #008000; color: white; padding: 2px;">G</span> <span style="background-color: #0000ff; color: white; padding: 2px;">B</span> <span style="background-color: #ff00ff; color: white; padding: 2px;">P</span> <span style="background-color: #ff0000; color: white; padding: 2px;">R</span> <span style="background-color: #ffa500; color: white; padding: 2px;">A</span> <span style="background-color: #ffa500; color: white; padding: 2px;">O</span>	<span style="background-color: #e67e22; color: white; padding: 2px;">2200K</span> <span style="background-color: #f1c40f; color: white; padding: 2px;">2700K</span> <span style="background-color: #f1c40f; color: white; padding: 2px;">3000K</span> <span style="background-color: #f1c40f; color: white; padding: 2px;">3500K</span> <span style="background-color: #f1c40f; color: white; padding: 2px;">4000K</span> <span style="background-color: #f1c40f; color: white; padding: 2px;">4500K</span> <span style="background-color: #f1c40f; color: white; padding: 2px;">5000K</span> <span style="background-color: #f1c40f; color: white; padding: 2px;">6500K</span>
310lm 40lm 140lm 110lm 100lm 280lm	320lm 320lm 320lm 340lm 340lm 360lm 360lm 360lm

16 Mono Color	F16/SF16-24V-5050-84
Input Voltage	24V DC
Power Consumption	15W/m
Working Mode	PWM CV
LED Type	SMD5050
LED Count/m	84pcs
Cutting Unit	7LEDs
Cutting Length	8.33cm
Max. Length Single Feed	32.8'/8m
Max. Length Double Feed	65.61'/16m
Color&Lumen	CCT&Lumen
<span style="background-color: #008000; color: white; padding: 2px;">G</span> <span style="background-color: #0000ff; color: white; padding: 2px;">B</span> <span style="background-color: #ffff00; color: white; padding: 2px;">LY</span> <span style="background-color: #ff00ff; color: white; padding: 2px;">P</span>	<span style="background-color: #e67e22; color: white; padding: 2px;">2200K</span> <span style="background-color: #f1c40f; color: white; padding: 2px;">2700K</span> <span style="background-color: #f1c40f; color: white; padding: 2px;">3000K</span> <span style="background-color: #f1c40f; color: white; padding: 2px;">3500K</span> <span style="background-color: #f1c40f; color: white; padding: 2px;">4000K</span> <span style="background-color: #f1c40f; color: white; padding: 2px;">4500K</span> <span style="background-color: #f1c40f; color: white; padding: 2px;">5000K</span> <span style="background-color: #f1c40f; color: white; padding: 2px;">6500K</span>
330lm 60lm 400lm 180lm	360lm 360lm 360lm 380lm 380lm 400lm 400lm 400lm

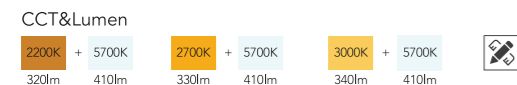
16 Mono Color	F16/SF16-24V-5050-72-U2
Input Voltage	24V DC
Power Consumption	13W/m
Working Mode	PWM CV
LED Type	SMD5050
LED Count/m	72pcs
Cutting Unit	2LEDs
Cutting Length	2.77cm
Max. Length Single Feed	32.8'/10m
Max. Length Double Feed	65.61'/20m
Color&Lumen	CCT&Lumen
<span style="background-color: #008000; color: white; padding: 2px;">G</span> <span style="background-color: #0000ff; color: white; padding: 2px;">B</span> <span style="background-color: #ffff00; color: white; padding: 2px;">LY</span> <span style="background-color: #ff00ff; color: white; padding: 2px;">P</span>	<span style="background-color: #e67e22; color: white; padding: 2px;">2200K</span> <span style="background-color: #f1c40f; color: white; padding: 2px;">2700K</span> <span style="background-color: #f1c40f; color: white; padding: 2px;">3000K</span> <span style="background-color: #f1c40f; color: white; padding: 2px;">3500K</span> <span style="background-color: #f1c40f; color: white; padding: 2px;">4000K</span> <span style="background-color: #f1c40f; color: white; padding: 2px;">4500K</span> <span style="background-color: #f1c40f; color: white; padding: 2px;">5000K</span> <span style="background-color: #f1c40f; color: white; padding: 2px;">6500K</span>
420lm 60lm 380lm 270lm	500lm 520lm 540lm 550lm 559lm 565lm 570lm 575lm

16 Mono Color	F16/SF16-24V-3528-120-CC
Input Voltage	24V DC
Power Consumption	10W/m
Working Mode	PWM CV (CC IC)
LED Type	SMD3528
LED Count/m	120pcs
Cutting Unit	6LEDs
Cutting Length	5cm
Max. Length Single Feed	49.21'/15m
Max. Length Double Feed	98.42'/30m
Color&Lumen	CCT&Lumen
<span style="background-color: #008000; color: white; padding: 2px;">G</span> <span style="background-color: #0000ff; color: white; padding: 2px;">B</span> <span style="background-color: #ff00ff; color: white; padding: 2px;">P</span>	<span style="background-color: #e67e22; color: white; padding: 2px;">2200K</span> <span style="background-color: #f1c40f; color: white; padding: 2px;">2700K</span> <span style="background-color: #f1c40f; color: white; padding: 2px;">3000K</span> <span style="background-color: #f1c40f; color: white; padding: 2px;">3500K</span> <span style="background-color: #f1c40f; color: white; padding: 2px;">4000K</span> <span style="background-color: #f1c40f; color: white; padding: 2px;">4500K</span> <span style="background-color: #f1c40f; color: white; padding: 2px;">5000K</span> <span style="background-color: #f1c40f; color: white; padding: 2px;">6500K</span>
300lm 35lm 130lm	300lm 300lm 300lm 320lm 320lm 340lm 340lm 340lm

16 Mono Color	F16/SF16-48V-3528-140 <span style="background-color: #0056b3; color: white; padding: 2px;">48V</span>
Input Voltage	48V DC
Power Consumption	9W/m
Working Mode	PWM CV
LED Type	SMD3528
LED Count/m	140pcs
Cutting Unit	14LEDs
Cutting Length	10cm
Max. Length Single Feed	65.61'/20m
Max. Length Double Feed	131.23'/40m
Color&Lumen	CCT&Lumen
<span style="background-color: #008000; color: white; padding: 2px;">G</span> <span style="background-color: #0000ff; color: white; padding: 2px;">B</span> <span style="background-color: #ff0000; color: white; padding: 2px;">R</span>	<span style="background-color: #e67e22; color: white; padding: 2px;">2200K</span> <span style="background-color: #f1c40f; color: white; padding: 2px;">2700K</span> <span style="background-color: #f1c40f; color: white; padding: 2px;">3000K</span> <span style="background-color: #f1c40f; color: white; padding: 2px;">3500K</span> <span style="background-color: #f1c40f; color: white; padding: 2px;">4000K</span> <span style="background-color: #f1c40f; color: white; padding: 2px;">4500K</span> <span style="background-color: #f1c40f; color: white; padding: 2px;">5000K</span> <span style="background-color: #f1c40f; color: white; padding: 2px;">6500K</span>
330lm 60lm 120lm	360lm 360lm 360lm 380lm 380lm 400lm 400lm 400lm



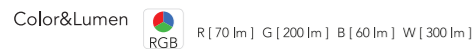
16 Tunable White	F16/SF16-24V-2835-120-DW
Input Voltage	24V DC
Power Consumption	12W/m
Working Mode	PWM CV
LED Type	SMD2835
LED Count/m	120pcs
Cutting Unit	12LEDs
Cutting Length	10cm
Max. Length Single Feed	32.8'/10m
Max. Length Double Feed	65.61'/20m



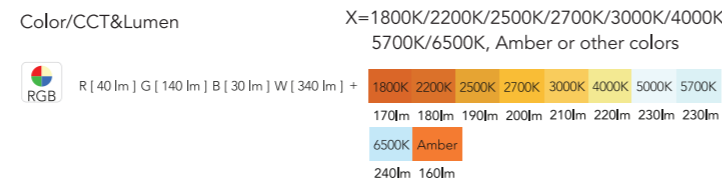
16 Dim to Warm	F16/SF16-24V-2835-120-DTW <span style="background-color: #0056b3; color: white; padding: 2px;">DTW</span>
Input Voltage	24V DC
Power Consumption	12W/m
Working Mode	DTW
LED Type	SMD2835
LED Count/m	120pcs
Cutting Unit	12LEDs
Cutting Length	10cm
Max. Length Single Feed	32.8'/10m
Max. Length Double Feed	65.61'/20m



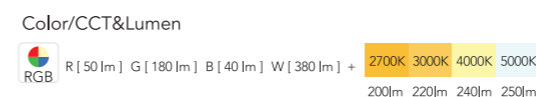
16 Multi RGB	F16/SF16-24V-5050-72-RGB
Input Voltage	24V DC
Power Consumption	13W/m
Working Mode	PWM CV
LED Type	SMD5050
LED Count/m	72pcs
Cutting Unit	6LEDs
Cutting Length	8.33cm
Max. Length Single Feed	32.8'/10m
Max. Length Double Feed	65.61'/20m



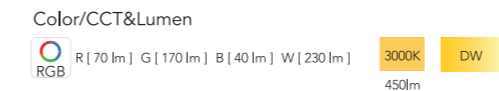
16 Multi RGBX	F16/SF16-24V-3535+2835-60-RGBX
Input Voltage	24V DC
Power Consumption	17W/m
Working Mode	PWM CV
LED Type	SMD3535+2835
Ra	80/90/95
LED Count/m	60pcs
Cutting Unit	6LEDs
Cutting Length	10cm
Max. Length Single Feed	26.24'/8m
Max. Length Double Feed	52.49'/16m



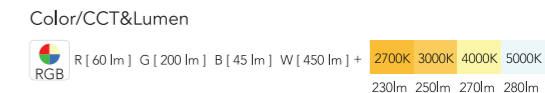
16 Multi RGBW	F16/SF16-24V-5050-72-RGBW
Input Voltage	24V DC
Power Consumption	17W/m
Working Mode	PWM CV
LED Type	SMD5050
LED Count/m	72pcs
Cutting Unit	6LEDs
Cutting Length	8.33cm
Max. Length Single Feed	26.24'/8m
Max. Length Double Feed	52.49'/16m



16 DMX Pixel Chasing	F16/SF16-24V-5050-70-DMX3-RGB
Input Voltage	24V DC
Power Consumption	14W/m
Working Mode	DMX (RS485)
LED Type	SMD5050
LED Count/m	70pcs
Cutting Unit	7LEDs
Cutting Length	10cm
Pixels Count/m	10Pixels
Max. Length Single Feed	26.24'/8m
Max. Length Double Feed	52.49'/16m



16 Multi RGBW	F16/SF16-24V-5050-84-RGBW
Input Voltage	24V DC
Power Consumption	20W/m
Working Mode	PWM CV
LED Type	SMD5050
LED Count/m	84pcs
Cutting Unit	6LEDs
Cutting Length	7.14cm
Max. Length Single Feed	22.96'/7m
Max. Length Double Feed	45.93'/14m



16 DMX Pixel Chasing	F16/SF16-24V-5050-72-DMX3-RGB
Input Voltage	24V DC
Power Consumption	9W/m
Working Mode	DMX (RS485)
LED Type	SMD5050
LED Count/m	72pcs
Cutting Unit	12LEDs
Cutting Length	16.67cm
Pixels Count/m	6Pixels
Max. Length Single Feed	32.8'/10m
Max. Length Double Feed	65.61'/20m



16 DMX Pixel Chasing **F16/SF16-24V-5050-70-DMX4-RGBW**

Input Voltage	24V DC
Power Consumption	18W/m
Working Mode	DMX (RS485)
LED Type	SMD5050
LED Count/m	70pcs
Cutting Unit	7LEDs
Cutting Length	10cm
Pixels Count/m	10Pixels
Max. Length Single Feed	26.24'/8m
Max. Length Double Feed	52.49'/16m

Color/CCT&Lumen

RGB	R [ 60 lm ] G [ 190 lm ] B [ 50 lm ] W [ 410 lm ] +	2700K 3000K 4000K 5000K
		180lm 190lm 200lm 210lm

16 SPI Pixel Chasing **F16/SF16-24V-5050-70-SPI3-RGB**

Input Voltage	24V DC
Power Consumption	15W/m
Working Mode	SPI (8903)
LED Type	SMD5050
LED Count/m	70pcs
Cutting Unit	7LEDs
Cutting Length	10cm
Pixels Count/m	10Pixels
Gray Scale	16bit (8bit Optional)
Max. Length Single Feed	26.24'/8m
Max. Length Double Feed	52.49'/16m

Color/CCT&Lumen

RGB	R [ 60 lm ] G [ 170 lm ] B [ 40 lm ] W [ 240 lm ]	3000K DW
		440lm

16 SPI Pixel Chasing **F16/SF16-24V-5050-84-SPI4-RGBW**

Input Voltage	24V DC
Power Consumption	22W/m
Working Mode	SPI (8904)
LED Type	SMD5050
LED Count/m	84pcs
Cutting Unit	7LEDs
Cutting Length	8.33cm
Pixels Count/m	12Pixels
Gray Scale	16bit (8bit Optional)
Max. Length Single Feed	26.24'/8m
Max. Length Double Feed	52.49'/16m

Color/CCT&Lumen

RGB	R [ 80 lm ] G [ 190 lm ] B [ 50 lm ] W [ 420 lm ] +	2700K 3000K 4000K 5000K
		200lm 210lm 220lm 230lm

16 SPI Pixel Chasing **F16/SF16-24V-5050-70-SPI4-RGBW**

Input Voltage	24V DC
Power Consumption	18W/m
Working Mode	SPI (8904)
LED Type	SMD5050
LED Count/m	70pcs
Cutting Unit	7LEDs
Cutting Length	10cm
Pixels Count/m	10Pixels
Gray Scale	16bit (8bit Optional)
Max. Length Single Feed	26.24'/8m
Max. Length Double Feed	52.49'/16m

Color/CCT&Lumen

RGB	R [ 60 lm ] G [ 170 lm ] B [ 40 lm ] W [ 400 lm ] +	2700K 3000K 4000K 5000K
		170lm 180lm 190lm 200lm

Mold Injection Connector (IP68 rated protection)



Direct Entry Connector



Side Entry Connector



Bottom Entry Connector



L Shape Entry Connector



End Cap

DIY Assemble Connector (IP67 rated protection)



**DIY Snap Connector**  
DIY-SN-FR-16-D-01/02-A/DW/RGB  
2/3/4 Pins (Cable length: 30cm)  
DIY snap front connector kit  
Direct cable output



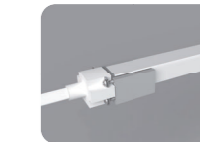
**DIY Snap End Cap**  
DIY-SC-END-16-D-01/02  
DIY snap end cap kit



**DIY Snap Extension Connector**  
DIY-SN-EXT-16-A/DW/RGB  
2/3/4 Pins  
DIY snap extension connector kit  
Cable length: 30cm



**DIY Screw Extension Connector**  
DIY-SC-EXT-16-A/DW/RGB  
2/3/4 Pins  
DIY screw extension connector kit



**DIY Screw Connector**  
DIY-SC-FR-16-D-01/02-A/DW/RGB  
2/3/4 Pins  
DIY screw front connector kit  
Direct cable output

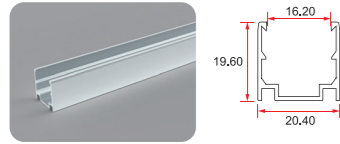


**DIY Screw End Cap**  
DIY-SC-END-16  
DIY screw end cap kit



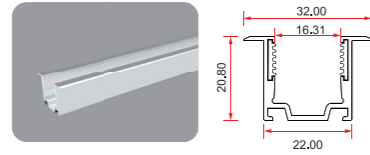
**DIY Splice Connector**  
DIY-SN-SP-16-A  
DIY splice connector kit

## Mounting Profile



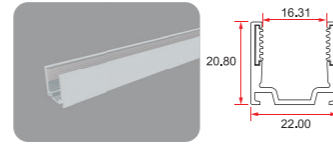
ALC16S02

Use for: 16 & 17 series  
Length: 3.5/100/200cm  
Material: aluminum alloy  
Optional color: AS/AB/PW  
Type: standard



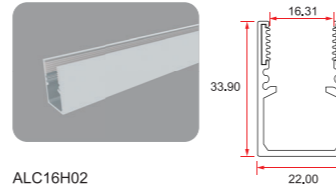
ALC16S07

Use for: 16 & 17 series  
Length: 3.5/100/200cm  
Material: aluminum alloy+polyvinyl chloride  
Color: silver+milky white  
Type: ceiling



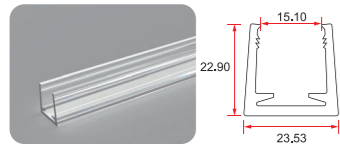
ALC16S08

Use for: 16 & 17 series  
Length: 3.5/100/200cm  
Material: aluminum alloy+polyvinyl chloride  
Color: silver+milky white  
Type: anti-drop



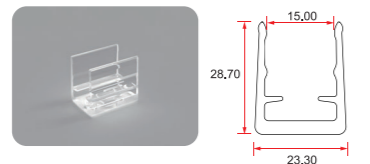
ALC16H02

Use for: 16 & 17 series  
Length: 3.5/100/200cm  
Material: aluminum alloy+polyvinyl chloride  
Color: silver+milky white  
Type: cable hiding & anti-drop



PC16/17S02-T

Use for: 16 & 17 series  
Length: 100cm  
Material: plastic  
Color: transparent  
Type: standard



SJJ-ZSH-008-PC

Use for: 16 & 17 series  
Length: 3cm  
Material: Plastic  
Color: transparent  
Type: standard



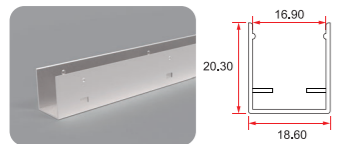
SSC16S01-05

Use for: 16 & 17 series  
Length: 5cm  
Material: stainless steel  
Surface: natural color  
Type: 316 stainless steel



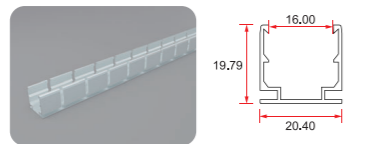
SSC16FLX

Use for: 16 & 17 series  
Length: 10/30/50/100cm  
Material: stainless steel  
Surface treatment: Polished  
Type: flexible



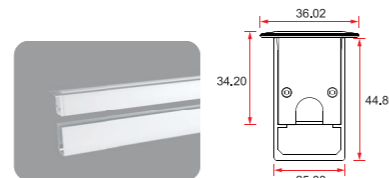
SSC16S02-100

Use for: 16 & 17 series  
Length: 100cm  
Material: stainless steel  
Surface: natural color  
Type: 316 stainless steel



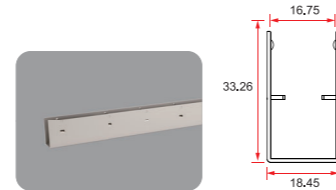
ALC16S05FLX

Use for: 16 series  
Length: 50/100/200cm  
Material: aluminum alloy  
Color: AS  
Type: flexible



ALC-WL-B-02-A/B

Use for: 16 series  
Length: 100/200cm  
Material: aluminum alloy+polyvinyl chloride  
Color: silver+milky white  
Type: Buried/ Recessed



SSC16H01

Use for: 16 & 17 series  
Length: 100cm  
Material: stainless steel  
Surface: natural color  
Type: cable hiding



DUBAI APARTMENT