AC230V LED Strip Light

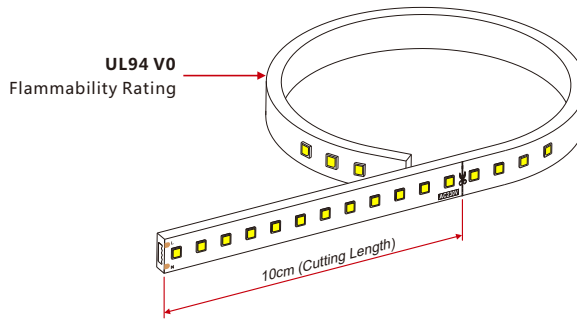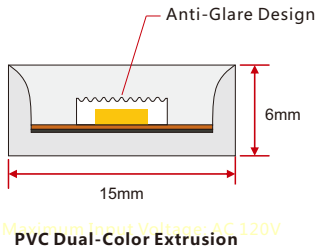## Driverless, Overvoltage Protection

SL728W120A

Key Feature

- ◆ LM-80 approved LED
- ◆ High efficiency
- ◆ 50,000 hours Lifetime, 3 years warranty
- ◆ Multiple Color Option : 1800K ~ 6500K
- ◆ Only one Bin, SDCM<3, or SDCM<2 available
- ◆ CRI Option: Ra>95+, Rf>95 and Rg=100 all available

ISO TS16949   ETL Intertek   RoHS   CE

1. Specification & Parameters:

1.1 External Dimension

Anti-Glare Design

6mm

15mm

PVC Dual-Color Extrusion
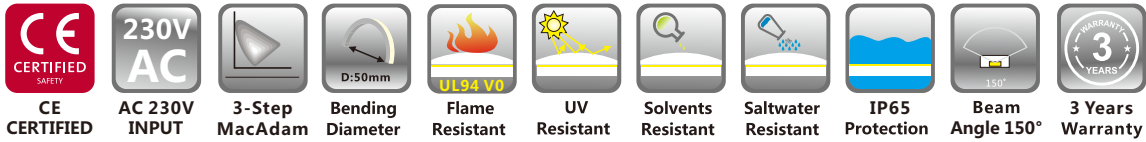
UL94 V0
Flammability Rating

10cm (Cutting Length)

Notice:

Maximum Input Voltage: AC 230V

Size of each section is 10cm, and cutting at "black line" place.

The dimension tolerance of height is ±0.3mm, and tolerance of width is ±0.3mm.

CE CERTIFIED	AC 230V INPUT	3-Step MacAdam	Bending Diameter	Flame Resistant	UV Resistant	Solvents Resistant	Saltwater Resistant	IP65 Protection	Beam Angle 150°	3 Years Warranty

1.2 Technical Parameters

Technical Data

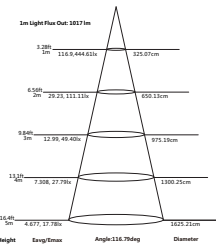| Product Code	SL728W120A	
Colour	W/WW/R/G/B	
Working Voltage	AC230V, 50Hz	
LED Qty/m	120LEDs /m	
LED Type	SMD 2835	
CRI	CRI>80	CRI>90
Rated Power/m	12W/m	12W/m
Light Efficiency ±10%	110Lm/w	90Lm/w
LED Distance	8.33mm	
Min. Cutting LED	12LEDs	
Min. Cutting Length	10cm	
Weight/m	120g	
Storage Temperature	-25~60℃ (-13~140°F)	
Environmental Working Temperature	-20~45℃ (-4~113°F)	
IP Rating	IP65 (uncut) void if cut	

1.3 Optical Parameters

Optical Data

Product Code	MF728W120A		Lumen/m		
			Rated CRI	CRI80	CRI90
Color	Wavelength	CCT			
Ultra WW	/	2000K±100K		1028 lm/m	840 lm/m
Super WW	/	2400K±100K		1080 lm/m	900 lm/m
Warm White	/	2725K±100K		1200 lm/m	960 lm/m
Warm White	/	3045K±150K		1260 lm/m	1020 lm/m
Natural White	/	4000K±150K		1320 lm/m	1080 lm/m
Day White	/	5000K±200K		1320 lm/m	1080 lm/m
Cool White	/	6500K±250K		1320 lm/m	1080 lm/m
RED	620-630nm	/		/	/
GREEN	520-530nm	/		/	/
BLUE	465-475nm	/		/	/
AMBER	585-595nm	/		/	/

Luminous Intensity Distribution

AVERAGE BEAM ANGLE(50%):117.1 DEG

UNIT:cd
C0/180,117.1
C30/210,117.1
C60/240,117.1
C90/270,117.0

illumination diagram

1m Light Flux Out: 1017 lm

3.28ft 1m	116.9,444.61lx	325.07cm
6.56ft 2m	29.23,111.11lx	650.13cm
9.84ft 3m	12.99,49.40lx	975.19cm
13.1ft 4m	7.308,27.79lx	1300.25cm
16.4ft 5m	4.677,17.78lx	1625.21cm
Height	Eavg/Emax	Angle:116.79deg	Diameter
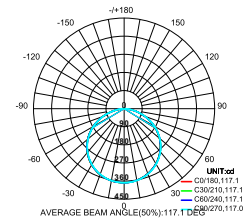
2. Types of Connector

2.1 Outdoor Use & IP65 Waterproof Connector

Input :AC 220~240V

IP65 Entry Cap
Injection-Moulded

IP65 End Cap
Injection-Moulded

10mm

Cable Length 10cm ~ 20m Max.

10mm

13mm

Build-in Piezoresistor
Anti-lightning Protection

20mm

Diode Rectifier

Constant Current Driver Chip

20mm

Safety Fuse inside
Fuse Rating: 5A 230V

78mm

Light Length Choice (min. 10cm ~ Max. 50m)

22mm
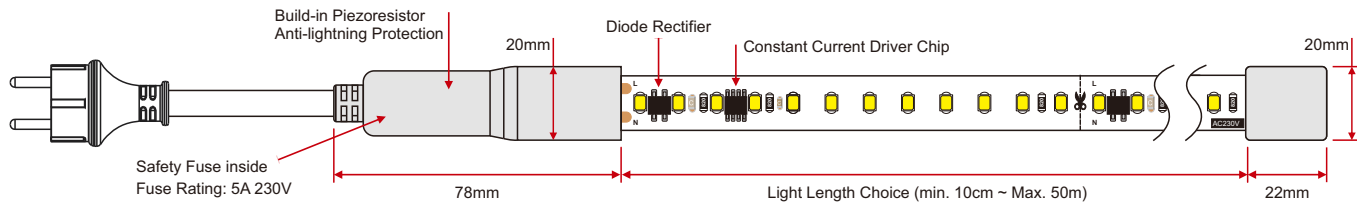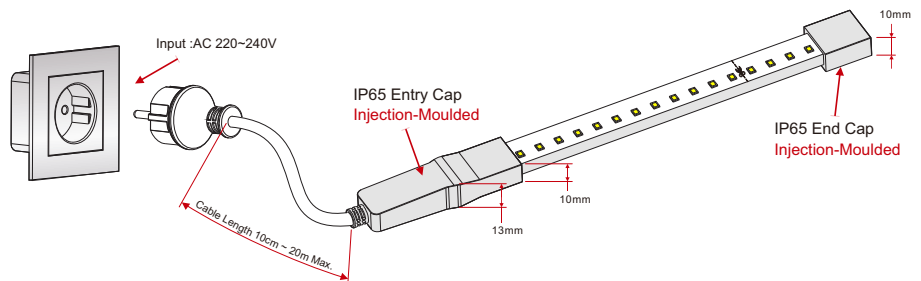
> **Notes:**

- IP65 Outdoor Use: Pls do not cut off the LED Tape light, and DIY cutting is not allow;
- All kinds of customized length of the light are available, from 10cm minimum ~ 50m maximum ;
- Do not submerge LED Tape light in any liquids, or use the light in the vicinity of standing water;
- Outdoor Application Scope: Outer Wall of bulding, Overbridge etc., and Suitable for raining environments;

ISO TS16949   ETL Intertek   RoHS   CE

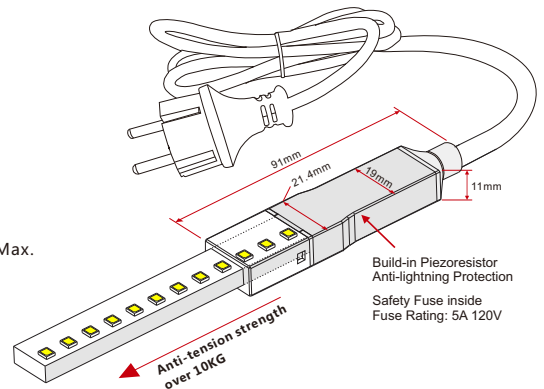## 2.2 Indoor use & DIY IP40 Connector

Power Cord

Connects light to power supply
IP40 DIY connector (indoor use)

Cable Length available in 0.3m min ~ 20m Max.

Screwless Terminal DIY assembly

AC Plug (2 Pin)   *1
Anti-tension Shell   *1
PC Fixing Clip   *1

91mm
21.4mm
19mm
11mm

Build-in Piezoresistor
Anti-lightning Protection

Safety Fuse inside
Fuse Rating: 5A 120V

Anti-tension strength
over 10KG

Docking Connector

Combine two pieces of the lights together
IP40 DIY connector (indoor use)

Seamless Docking, Screwless Terminal

Anti-tension Shell   *1
Feed Connector (2 Pin)   *1
PC Fixing Clip   *2

21.4mm
50mm
11mm

Anti-tension strength
over 10KG

over 10KG
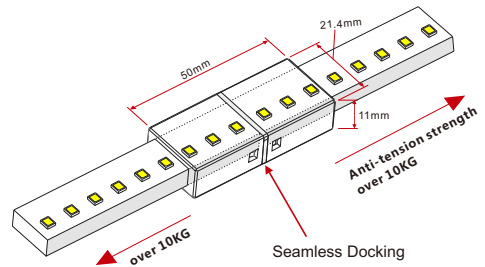
Seamless Docking

L-Type Connector

Combine two pieces of the lights together
IP40 DIY connector (indoor use)

Seamless Docking, Screwless Terminal

L-Type Anti-tension Shell   *1
L-Type Feed Connector (2 Pin)   *1
PC Fixing Clip   *2

46.5mm
21.4mm
21.4mm
46.5mm

Anti-tension strength
over 10KG

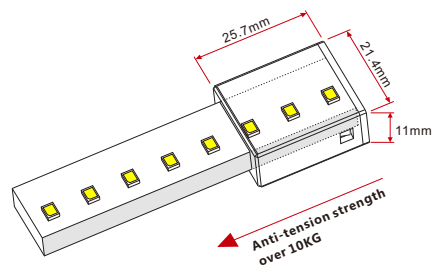Anti-tension strength
over 10KG

11mm
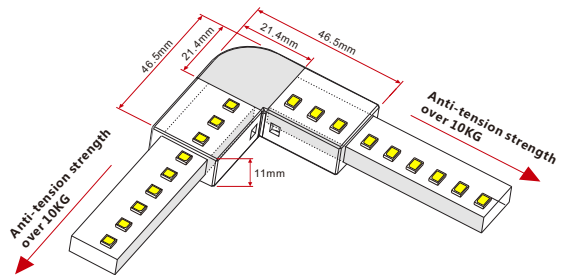
End Cap

Termination Protection of the light,
IP40 DIY connector (indoor use)

Screwless Terminal DIY assembly

Anti-tension Shell   *1
PC Fixing Clip   *1

25.7mm
21.4mm
11mm

Anti-tension strength
over 10KG

> **Notes:**

- Before making any cuts, installation, maintenance or connection, and be sure the light is power-off!
- IP40 Indoor Use: Pls cut the light and assemble all connectors according to the instruction manual;
- Don't install and light up and use the light under water, Only IP40 application places can be used for this light;
- Indoor Application Scope: Cove of Theater, and cove of hotel loby etc., and Suitable for dry and anti-dust environments;

ISO
TS16949

ETL
Intertek

RoHS

CE

3. Installation & Profile

3.1 Plastic Profile
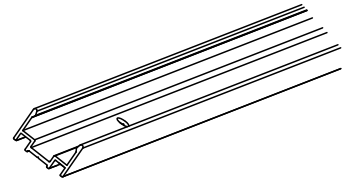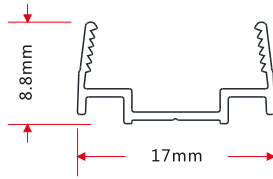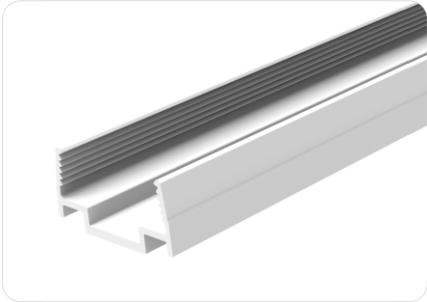
Code	W*H(ft)	Profile Length(mm)	Hole Size (mm)	Hole Number (pcs)
MF728W120-01	17mm * 8.8mm	500mm	Φ3.5mm	2
		1000mm	Φ3.5mm	3
		1500mm	Φ3.5mm	5
		2000mm	Φ3.5mm	7

Notes:

1. Plastic Profiles's raw material is PC, white/black/red paint available;

2. Any customized Length available too, such as 0.5m or 1m or 1.5m, and 2m length maximum;

3. Each 0.3m length with 1 hole and 1 screw, and installation referece to the user manual;
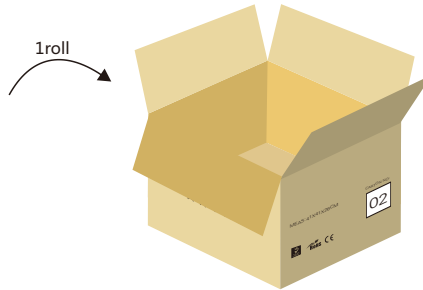
3.2 Plastic Mounting Clip
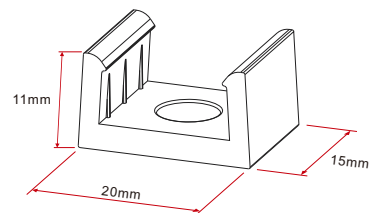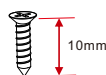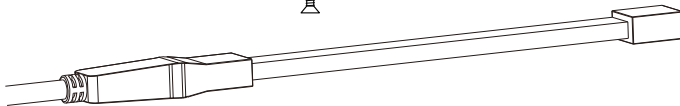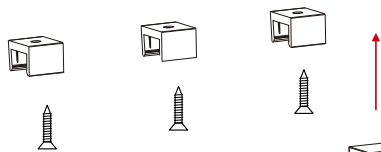
Notes:

1. Mounting Clip's raw material is PC, and transparent/white/black/red paint available;

2. Each 0.3m length with 1 Mounting Clip +1 screw, and installation referece to the user manual;
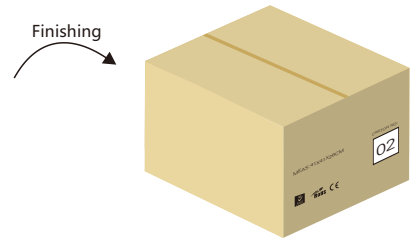
4. Installation & Profile

4.1 Reel packaging for projects

50m/roll

1roll in one Carton

Master Carton

1roll

Finishing

4.2 Reel packaging for retails

Light Length (m/one roll)	Carton Dimension (cm)	Light Number (rolls)	Carton Weight (kg)
20m	25*21*33	1 roll	3.5
30m	31*23*39	1 roll	4.8
40m	31*23*39	1 roll	6.2
50m	34*27*43	1 roll	7.9

5. Certificate & Reliability

Certificate

CE & ROHS

Item	STANDARD AND DESCRIPTION	Report Reference
CE Certificate	TÜV Rheinland	Testing in the TUV Lab
ROHS	TÜV Rheinland	Testing in the TUV Lab