AXE 1617 SL & DMX

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LIGHT FOR FUTURE

Index


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Version: JAN. 2026 | Reserve technical changes without notice

What is the AXE series?

The Definition of Durability

Designed for high-end architectural applications, the JRLite AXE Series redefines the standard for **3D flexible lighting**. Engineered with a superior **IP68 rating**, it combines Solid Silicone Extrusion with a robust full Rolled Copper PCB to ensure maximum weather resistance. Whether for complex **3D twisting** or long-run linear outlines, AXE delivers artistic freedom without sacrificing structural integrity.

AXE 1617 HE

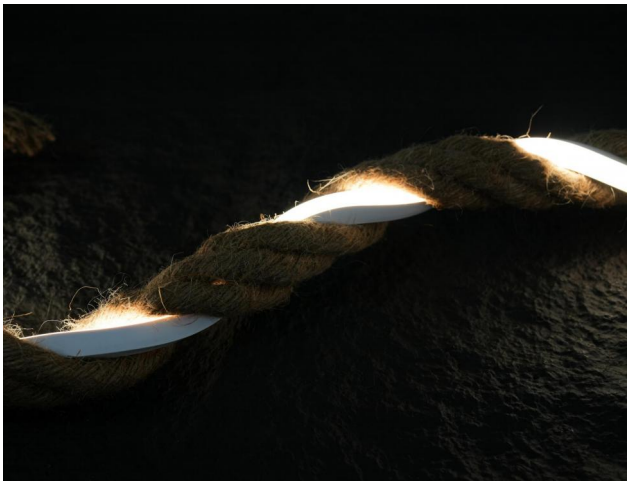
The "True 3D" master with zero distortion and premium light output.

AXE 1617 DMX RGBW

Dynamic color control with the widest accessory compatibility in its class.

AXE 1617 SL (Super Long):

Ultra-long runs (up to 105m double feed in) with field-cuttable convenience.



Why is AXE series developed?

1. The 3D Flexibility (Design Freedom)

Break free from 2D limitations. The AXE Series supports multi-directional bending (Horizontal & Vertical), allowing designers to create seamless, twisting geometries and organic shapes that adapt to any architectural surface.

2. Robust Protection (IP68 & IK10)

Impact Resistant: When paired with our aluminum profile, the AXE Series achieves an IK10 rating, making it resistant to vandalism and physical impact.
Weatherproof: Rated IP68 for superior dust and moisture protection.
Note: Designed for wet locations and heavy rain resistance. Not suitable for underwater submersion.

3. The 1617 Universal Ecosystem

Versatility meets simplicity. The AXE Series is fully compatible with JRLite's extensive "1617 Universe" accessory system, ensuring you always have the right mounting solution.

Field-Cuttable Advantage: Specifically for AXE SL, we offer solder-free DIY Connectors, allowing for quick on-site cutting and re-connection—a rare feature in 3D lighting.

Maximize Value. Minimize Risk.

Before choosing your model, know that every AXE product is built on a foundation of cost-efficiency and operational safety. We engineered the entire series to solve the two biggest hidden costs in lighting: Installation Labor and Post-Project Maintenance.

Why AXE is the Smart Choice:

Labor Saving & Installation Friendly: Designed to work seamlessly with our unified accessory system, reducing on-site complexity and installation time.
Peace of Mind & Low Maintenance: High-grade silicone and robust PCB design drastically reduce the failure rate.
Lower Total Cost of Ownership: Invest in quality now to avoid costly repairs and replacements later.

One Design, Three Engines.

01. AXE WHT (High Efficacy)

The "True 3D" Specialist for Flawless Aesthetics.

Engineered for purists. AXE HE features our proprietary 'Stress-Free' structure that make it no stress point and no roll flat. This ensures the strip stays flush in the profile and prevents stress-cracks, safeguarding IP68 integrity.

Best For: High-end architectural outlines where visual perfection is non-negotiable.
High Efficiency: 100LM/W output for energy-conscious projects.
Double Insurance: Features Dual-Conduct Technology (supplemental copper belts) to bypass dead LEDs.

02. AXE DMX (RGBW)

Dynamic Color with Unmatched Versatility

Bring your 3D curves to life. AXE DMX combines the flexibility of silicone with robust RGBW control, offering the most extensive accessory compatibility among DMX 3D products in the market.

Best For: Media facades, entertainment venues, and dynamic landscape lighting.
Compact Power: A rare small-form-factor 3D DMX solution
Integration: Highly compatible with the widest range of JRL "1617 Universe" mounting accessories.

03. AXE SL (Super Long)

The Installer's Dream: Long Runs & Field Cuttable

The ultimate labor-saver for large-scale projects. AXE SL drastically reduces power feed points and simplifies on-site adjustments.

Best For: Massive building perimeters, bridges, and long-distance landscape lines.
Incredible Length: Up to 105m run on a single circuit (Dual-end feed, 4.8W/m) with <3% brightness drop.
Field Cuttable: This model compatible with DIY Assembly Connectors. Cut and reconnect on-site without soldering.
Double Insurance: Features Dual-Conduct Technology for signal integrity over ultra-long distances.

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LEDLINE AXE 1617 DMX RGBW

Built Tough. Bends Freely.

Advantages:

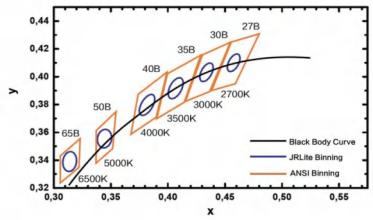
-LEDLINE AXE 1617 DMX RGBW, DC24V. Cross section size 16mm x 17mm / 0.63" x 0.67" (W x H), which is vertical bending and horizontal bending with diameter of 200mm/7.87".
-Smooth surface with cutting mark without seeing PCB and support reminding wrong bending.
-IP68 protection(not for underwater application), UV resistance, and chemical resistance ensure the durability in various environments.
-Equipped with DMX control mode and dot-free lighting technology guarantees gorgeous color changing &fading lighting performance over its rated lifetime.

3Yr. WARRANTY | IP68 | UV PROTECTED | RESISTANT TO SOLVENTS | 3 STEP | L70B10 >32000H | 3D bendable

UL | cULus | TÜV SÜD | CE | RoHS | REACH | CB

PRODUCT DATA

Product Name	LEDLINE AXE 1617 DMX RGBW
IP rated	IP68 (not for underwater application)
Size	16*17mm(W*H)
Min. Bending Diameter	Top: 200mm; Side: 200mm
Bending Direction	3D Bending
Min. Cutting Length	71.43mm
Beam Angle	110°
Max. Production Length	20m
IK rated	IK10 (with AL profile, walk over only)



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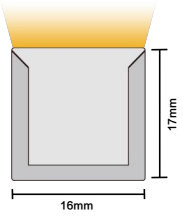
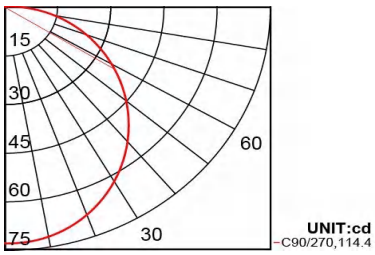
Color consistency
Today and tomorrow



AXE16173D-24-DMX-RGBW830-150



ORDER CODE

SERIES NAME	BENDING DIR	VOLTAGE	CONTROL MODE	RA CCT	WATTAGE	LENGTH	CABLE ENTRY
AXE 1617	3D	24=DC24V	DMX	RGBW827=RGBW2700K RA80	150=15W/M	05000=5M	F=FRONT
				RGBW830=RGBW3000K RA80			S=SIDE
				RGBW840=RGBW4000K RA80			B=BOTTOM

ELECTRICAL PARAMETER

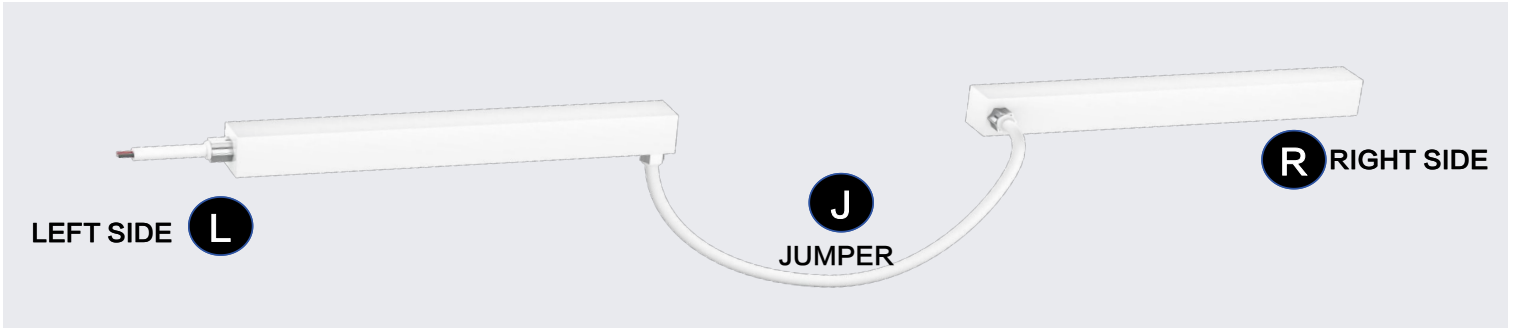
Data	AXE 1617 DMX RGBW
Power(W/m W/ft)	15/4.57
Voltage (V)	DC24V
Current(mA/m)	625
Circuite Type	CV
LED Type	3535
Min. Cutting Length(mm)	71.43
Pixel/M	14
Control Mode	DMX
Life Span L70B10	>32000H
Storage Tempt.	-40℃ /-40° F_{min} 65℃ /149° F_{max}
Ambient Tempt. *	-40℃ /-40° F_{min} 65℃ /149° F_{max}

* Exceeding the maximum ratings will reduce expected life time or destory the LED strip.

OPTICAL PARAMETER

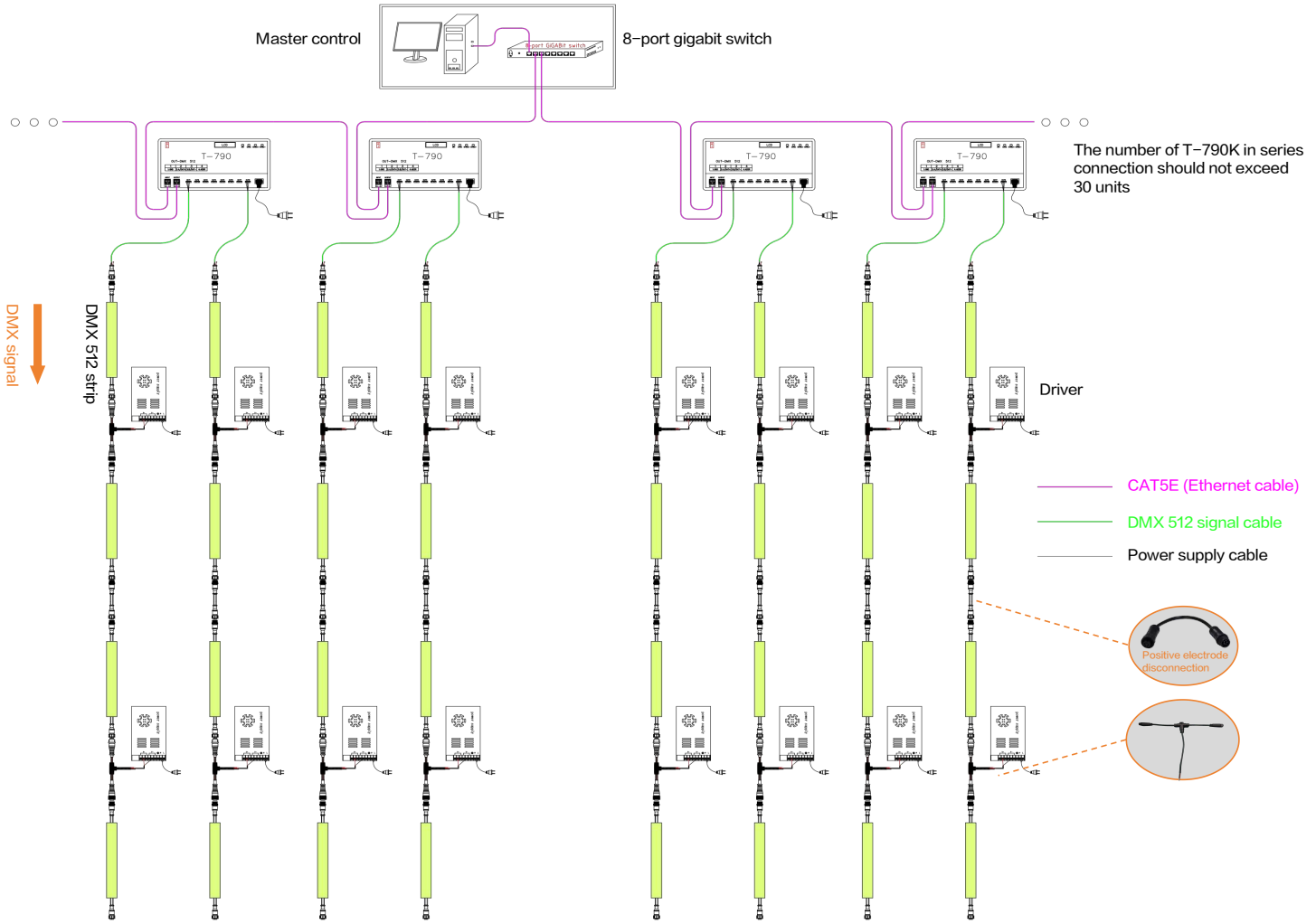
Item Code	Finished Product					LED	
	Wattage/m	CCT	CRI	Lumen/m	Lumen/ft	Color Tolerance	Bin
AXE16173D-24-DMX-RGBW-150	5.3W	RED	620-630nm	29LM	9LM	<3nm	OneBinOnly
AXE16173D-24-DMX-RGBW-150	5.3W	GREEN	520-530nm	105LM	32LM	<3nm	OneBinOnly
AXE16173D-24-DMX-RGBW-150	5.3W	BLUE	460-470nm	24LM	7LM	<3nm	OneBinOnly
AXE16173D-24-DMX-RGBW-150	5.3W	W=2700K	Ra≥80	77LM	23LM	<5SDCM	OneBinOnly
AXE16173D-24-DMX-RGBW-150	5.3W	W=3000K	Ra≥80	83LM	25LM	<5SDCM	OneBinOnly
AXE16173D-24-DMX-RGBW-150	5.3W	W=4000K	Ra≥80	86LM	26LM	<5SDCM	OneBinOnly
AXE16173D-24-DMX-RGBW-150	15W	RGBW3000K	Ra≥80	240LM	73LM	/	OneBinOnly

CABLE ENTRY



Part	Direction	Available for	Picture
L/R	L: Left Side R: Right Side	Integrated front/side/bottom cable entry	
L/R	L: Left Side R: Right Side	Integrated closed end cap	
L/R	L: Left Side R: Right Side	Silicone front/side/bottom cable entry	
L/R	L: Left Side R: Right Side	Silicone closed end cap	
J	Jumper	Integrated front/side/bottom jumper entry *Maximum jumper cable length 15 cm	
J	Connector	Signal connector	
J	Connector	T type connector	

Single – End Wiring Diagram



1. Our constant voltage and constant current just means the circuit deisgn, all JRLite neon flex and led strip use constant volatge drivers.

2. Utilize a constant voltage power supply with appropriate output voltage. The rated wattage of the power supply should be 20% higher than the actual power consumption of the neon flex and led strip to extend its lifespan.

3. Dimming frequency is from 100Hz to 2000Hz. 500Hz is recommended.

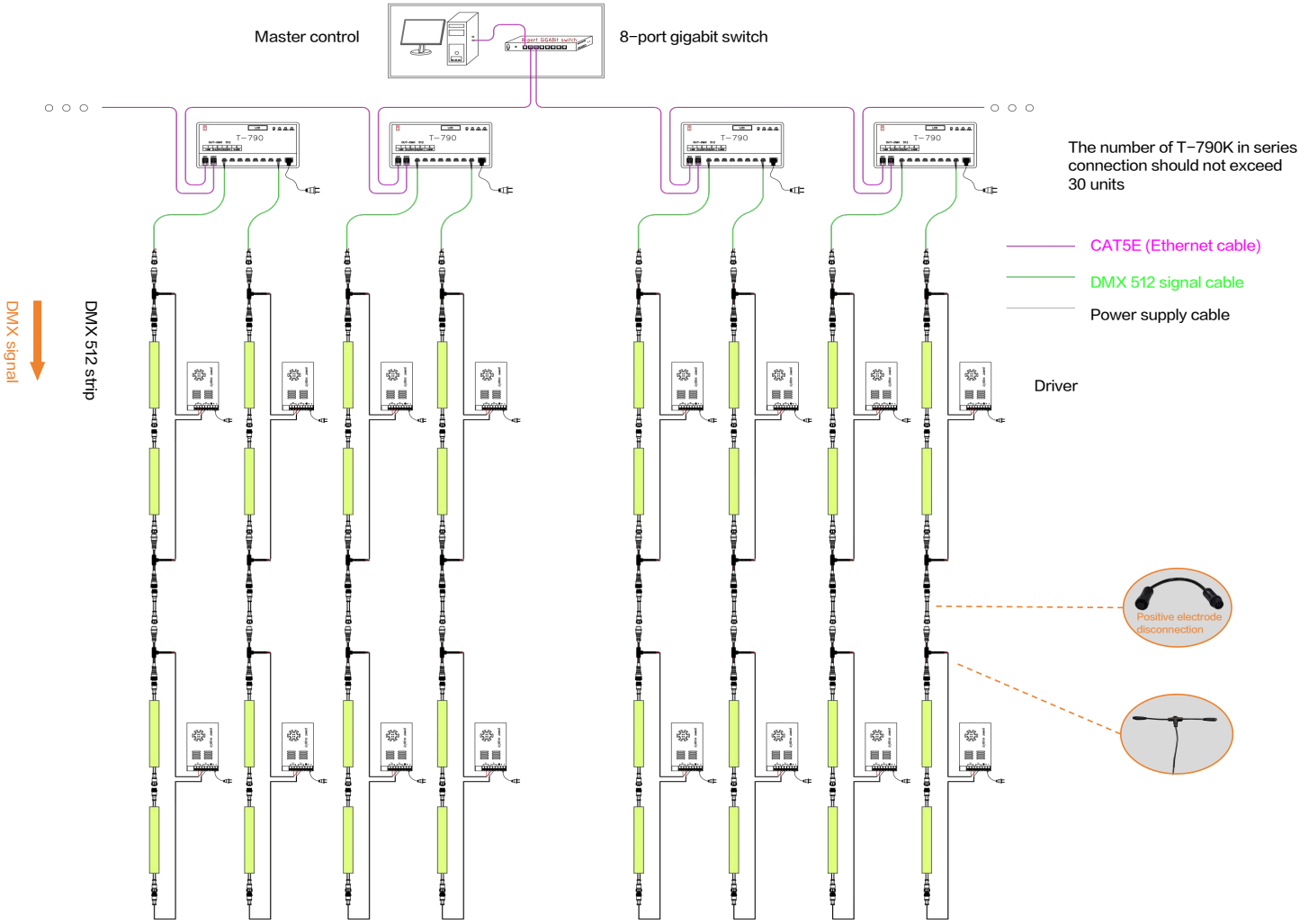
- Please ensure the cable length is not more than the table "Max. Cable Length" according to LED strip length and its wire gauge.
- Please ensure the LED strip length is less than the table "Max. Strip Length".

Max. Strip Length_Single -end feed in

Cable Entry Type

Type	Cable Gauge	Integrated cable entry	Silicone cable entry
IP Rating	/	IP68	IP67
AXE 1617 DMX RGBW – 15W	30cm 20AWG*5	8m/26.2ft	8m/26.2ft

Double - End Wiring Diagram



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2. Utilize a constant voltage power supply with appropriate output voltage. The rated wattage of the power supply should be 20% higher than the actual power consumption of the neon flex and led strip to extend its lifespan.

3. Dimming frequency is from 100Hz to 2000Hz. 500Hz is recommended.

4.When double ended power supply is used, it should be connected to the same driver and cannot be connected to two power driver.

- Please ensure the cable length is not more than the table "Max. Cable Length" according to LED strip length and its wire gauge.
- Please ensure the LED strip length is less than the table "Max. Strip Length".

Max. Strip Length_Double -end feed in

Cable Entry Type

Type	Cable Gauge	Integrated cable entry	Silicone cable entry
IP Rating	/	IP68	IP67
AXE 1617 DMX RGBW - 15W	30cm 20AWG*5	14m/45.9ft	14m/45.9ft

MAX. CABLE LENGTH

INPUT: DC24V

Item Code	Strip Length (m)	Max. Cable Length							
		0.52 mm² (**Default**)		0.81mm²		1.31 mm²		2.08 mm²	
		20AWG		18AWG		16AWG		14AWG	
		m	ft	m	ft	m	ft	m	ft
AXE 1617 DMX RGBW– 15W	1	85	278.9	168	551.2	230	754.6	325	1066.3
	2	62	203.4	99	324.8	157	515.1	250	820.3
	3	39	128.0	62	203.4	98	321.5	157	515.1
	4	27	88.6	42	137.8	68	223.1	108	354.3
	5	18	59.1	29	95.1	46	150.9	73	239.5
	6	11	36.1	18	59.1	28	91.9	45	147.6
	7	6	19.7	10	32.8	16	52.5	27	88.6
	8	2	6.6	3	9.8	5	16.4	9	29.5

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LEDLINE AXE 1617 SL

Built Tough. Bends Freely.

Advantages:

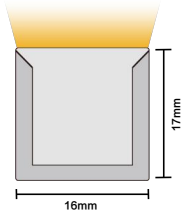
-LEDLINE AXE 1617 SL WHT, DC24V. Cross section size 16mm x 17mm / 0.63" x 0.67" (W x H), which is vertical bending with diameter of 200mm/7.87" and horizontal bending with diameter of 450mm/17.72".
-Double Insurance Safety: Incorporates robust protection circuits for enhanced durability and peace of mind.
-IP68 protection(not for underwater application), UV resistance, and chemical resistance ensure the durability in various environments.
-Installation-Friendly & Labor Saving: Field-cuttable and solder free reconnectable design enables quick and tool-light setup.
-Super-Long runs, no color difference. The ultimate solution where scale meets perfection.

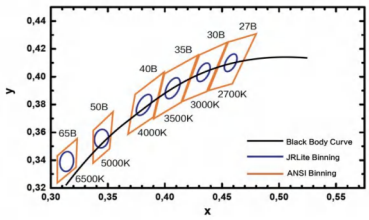
5Yr. WARRANTY | IP68 | UV PROTECTED | RESISTANT TO SOLVENTS | 3 STEP | L70B10 >44000H | 3D bendable

UL | cULus | TÜV SÜD | CE | RoHS | REACH | CB

PRODUCT DATA

Product Name	LEDLINE AXE 1617 SL
IP rated	IP68 (not for underwater application)
Size	16*17mm(W*H)
Min. Bending Diameter	Top: 200mm; Side: 450mm
Bending Direction	3D Bending
Min. Cutting Length	50mm
Beam Angle	110°
Max. Production Length	50m
IK rated	IK10 (with AL profile, walk over only)





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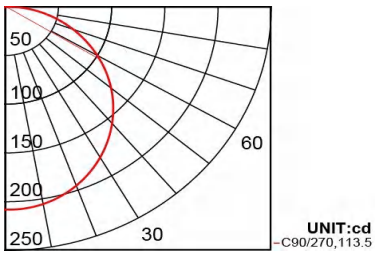
AXE1617SL3D-24-930-096



ORDER CODE

SERIES NAME	BENDING DIR	VOLTAGE	RA CCT	WATTAGE	LENGTH	CABLE ENTRY
AXE 1617 SL	3D	24=DC24V	922=RA90 2200K	048=4.8W/M	05000=5M	F=FRONT
			927=RA90 2700K	096=9.6W/M		S=SIDE
			930=RA90 3000K			B=BOTTOM
			935=RA90 3500K			
			940=RA90 4000K			
			957=RA90 5700K			

ELECTRICAL PARAMETER

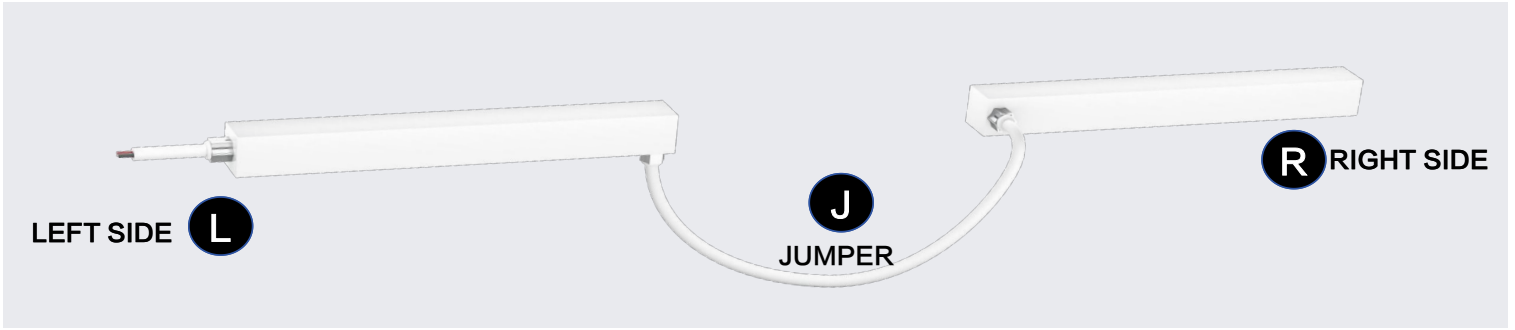
Data	AXE 1617 SL	
Power(W/m W/ft)	4.8/1.46	9.6/2.92
Voltage (V)	DC24V	DC24V
Current(mA/m)	200	400
Circuit Type	CC	CC
LED Type	2835	2835
Min. Cutting Length(mm)	50mm	50mm
Life Span L70B10	>44000H	>44000H
Storage Tempt.	−40℃ /−40° F_{min} 65℃ /149° F_{max}	−40℃ /−40° F_{min} 65℃ /149° F_{max}
Ambient Tempt. *	−40℃ /−40° F_{min} 65℃ /149° F_{max}	−40℃ /−40° F_{min} 65℃ /149° F_{max}

* Exceeding the maximum ratings will reduce expected life time or destory the LED strip.

OPTICAL PARAMETER

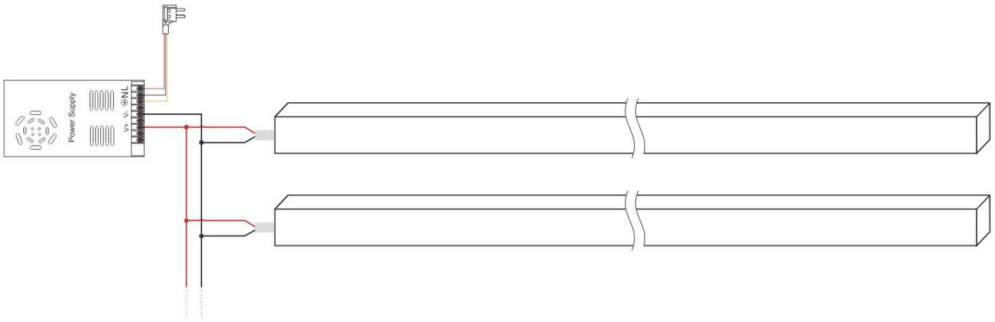
Item Code	Finished Product					LED	
	Wattage/m	CCT	CRI	Lumen/m	Lumen/ft	Color Tolerance	Bin
AXE1617SL3D-24-922-048	4.8W	2200K	Ra≥90	240LM	73LM	<3SDCM	OneBinOnly
AXE1617SL3D-24-927-048	4.8W	2700K	Ra≥90	290LM	88LM	<3SDCM	OneBinOnly
AXE1617SL3D-24-930-048	4.8W	3000K	Ra≥90	320LM	98LM	<3SDCM	OneBinOnly
AXE1617SL3D-24-935-048	4.8W	3500K	Ra≥90	330LM	101LM	<3SDCM	OneBinOnly
AXE1617SL3D-24-940-048	4.8W	4000K	Ra≥90	330LM	101LM	<3SDCM	OneBinOnly
AXE1617SL3D-24-957-048	4.8W	5700K	Ra≥90	325LM	99LM	<3SDCM	OneBinOnly
AXE1617SL3D-24-922-096	9.6W	2200K	Ra≥90	530LM	162LM	<3SDCM	OneBinOnly
AXE1617SL3D-24-927-096	9.6W	2700K	Ra≥90	590LM	180LM	<3SDCM	OneBinOnly
AXE1617SL3D-24-930-096	9.6W	3000K	Ra≥90	620LM	189LM	<3SDCM	OneBinOnly
AXE1617SL3D-24-935-096	9.6W	3500K	Ra≥90	630LM	192LM	<3SDCM	OneBinOnly
AXE1617SL3D-24-940-096	9.6W	4000K	Ra≥90	630LM	192LM	<3SDCM	OneBinOnly
AXE1617SL3D-24-957-096	9.6W	5700K	Ra≥90	625LM	191LM	<3SDCM	OneBinOnly

CABLE ENTRY



Part	Direction	Available for	Picture
L/R	L: Left Side R: Right Side	Integrated front/side/bottom cable entry	
L/R	L: Left Side R: Right Side	Integrated closed end cap	
L/R	L: Left Side R: Right Side	Silicone front/side/bottom cable entry	
L/R	L: Left Side R: Right Side	Silicone closed end cap	
L/R	L: Left Side R: Right Side	DIY front/side/bottom cable entry	
L/R	L: Left Side R: Right Side	DIY closed end cap	
J	Jumper	Integrated front/side/bottom jumper entry *Maximum jumper cable length 15 cm	
J	Jumper	DIY front/side/bottom jumper entry *Maximum jumper cable length 7cm	
J	Connector	DIY strip to strip connector *Only IP54	
J	Connector	Connector	

Single – End Wiring Diagram



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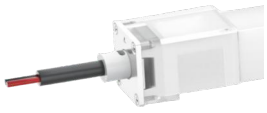
2. Utilize a constant voltage power supply with appropriate output voltage. The rated wattage of the power supply should be 20% higher than the actual power consumption of the neon flex and led strip to extend its lifespan.

3. Dimming frequency is from 100Hz to 2000Hz. 500Hz is recommended.

- Please ensure the cable length is not more than the table "Max. Cable Length" according to LED strip length and its wire gauge.
- Please ensure the LED strip length is less than the table "Max. Strip Length".

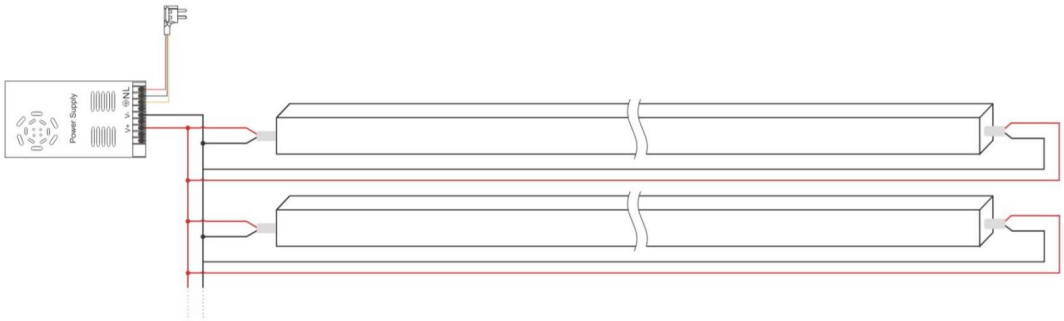
Max. Strip Length_Single –end feed in

Cable Entry Type



Type	Integrated cable entry	Silicone cable entry	DIY cable entry
IP Rating	IP68	IP67	IP67
Cable Gauge	30cm 16AWG*2 White silicone cable	30cm 16AWG*2 Black PVC cable	30cm 20AWG*2 Black PVC cable
AXE 1617 SL – 4.8W	55m/180.4ft	55m/180.4ft	20m/65.6ft
AXE 1617 SL – 9.6W	40m/131.2ft	40m/131.2ft	10m/32.8ft

Double – End Wiring Diagram



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2. Utilize a constant voltage power supply with appropriate output voltage. The rated wattage of the power supply should be 20% higher than the actual power consumption of the neon flex and led strip to extend its lifespan.

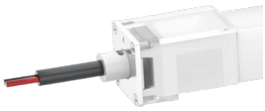
3. Dimming frequency is from 100Hz to 2000Hz. 500Hz is recommended.

4.When double ended power supply is used, it should be connected to the same driver and cannot be connected to two power driver.

- Please ensure the cable length is not more than the table "Max. Cable Length" according to LED strip length and its wire gauge.
- Please ensure the LED strip length is less than the table "Max. Strip Length".

Max. Strip Length_Double –end feed in

Cable Entry Type



Type	Integrated cable entry	Silicone cable entry	DIY cable entry
IP Rating	IP68	IP67	IP67
Cable Gauge	30cm 16AWG*2 White silicone cable	30cm 16AWG*2 Black PVC cable	30cm 20AWG*2 Black PVC cable
AXE 1617 SL – 4.8W	105m/344.5ft	105m/344.5ft	30m/98.4ft
AXE 1617 SL – 9.6W	75m/246.1ft	75m/246.1ft	18m/59.0ft

MAX. CABLE LENGTH

INPUT: DC24V

Item Code	Strip Length (m)	Max. Cable Length							
		0.52 mm²		0.81mm²		1.31 mm² (Default)		2.08 mm²	
		20AWG		18AWG		16AWG		14AWG	
		m	ft	m	ft	m	ft	m	ft
AXE 1617 SL–4.8W	1	261	856.3	413	1355.1	656	2152.3	1048	3438.5
	2	173	567.6	275	902.3	436	1430.5	697	2286.9
	3	130	426.5	206	675.9	326	1069.6	521	1709.4
	4	103	337.9	164	538.1	260	853.1	416	1364.9
	5	86	282.2	136	446.2	216	708.7	345	1131.9
	6	73	239.5	116	380.6	184	603.7	294	964.6
	7	63	206.7	101	331.4	160	525.0	256	839.9
	8	56	183.7	89	292.0	141	462.6	226	741.5
	9	50	164.1	80	262.5	126	413.4	202	662.8
	10	45	147.6	72	236.2	114	374.0	183	600.4
	11	41	134.5	65	213.3	104	341.2	166	544.6
	12	37	121.4	60	196.9	95	311.7	152	498.7
	13	34	111.6	55	180.5	87	285.4	140	459.3
	14	32	105.0	51	167.3	81	265.8	129	423.2
	15	29	95.1	47	154.2	75	246.1	120	393.7
	16	27	88.6	44	144.4	69	226.4	111	364.2
	17	25	82.0	41	134.5	65	213.3	104	341.2
	18	24	78.7	38	124.7	60	196.9	97	318.3
	19	22	72.2	35	114.8	57	187.0	91	298.6
	20	21	68.9	33	108.3	53	173.9	85	278.9
	21	20	65.6	31	101.7	50	164.1	80	262.5
	22	18	59.0	29	95.1	47	154.2	75	246.1
	23	17	55.8	28	91.9	44	144.4	70	229.7
	24	16	52.5	26	85.3	41	134.5	66	216.5
	25	15	49.2	24	78.7	39	128.0	62	203.4
	26			23	75.5	37	121.4	59	193.6
	27			22	72.2	34	111.6	55	180.5
	28			20	65.6	32	105.0	52	170.6
	29			19	62.3	30	98.4	49	160.8
	30			18	59.1	29	95.1	46	150.9
	31			17	55.8	27	88.6	43	141.1
	32			16	52.5	25	82.0	41	134.5
	33			15	49.2	24	78.7	38	124.7
	34			14	45.9	23	75.5	37	121.4

MAX. CABLE LENGTH

INPUT: DC24V

Item Code	Strip Length (m)	Max. Cable Length							
		0.52 mm²		0.81mm²		1.31 mm² (Default)		2.08 mm²	
		20AWG		18AWG		16AWG		14AWG	
		m	ft	m	ft	m	ft	m	ft
AXE 1617 SL-4.8W	35			14	45.9	22	72.2	36	118.1
	36			13	42.7	21	68.9	33	108.3
	37			12	39.4	19	62.3	31	101.7
	38			11	36.1	18	59.1	29	95.1
	39			10	32.8	17	55.8	27	88.6
	40			10	32.8	15	49.2	25	82.0
	41			9	29.5	14	45.9	23	75.5
	42			8	26.2	13	42.7	21	68.9
	43			7	23.0	12	39.4	19	62.3
	44			7	23.0	11	36.1	17	55.8
	45			6	19.7	10	32.8	16	52.5
	46					9	29.5	14	45.9
	47					8	26.2	12	39.4
	48					7	23.0	11	36.1
	49					6	19.7	9	29.5
	50					5	16.4	8	26.2
	51					4	13.1	6	19.7
	52					3	9.8	5	16.4
	53					2	6.6	3	9.8
	54					1	3.3	2	6.6
	55					0.5	1.6	1	3.3

Item Code	Strip Length (m)	Max. Cable Length							
		0.52 mm²		0.81mm²		1.31 mm² (Default)		2.08 mm²	
		20AWG		18AWG		16AWG		14AWG	
		m	ft	m	ft	m	ft	m	ft
AXE 1617 SL-9.6W	1	136	446.2	215	705.4	341	1118.8	546	1791.4
	2	90	295.3	143	469.2	227	744.8	362	1187.7
	3	67	219.8	106	347.8	169	554.5	270	885.9
	4	53	173.9	84	275.6	134	439.7	215	705.4
	5	44	144.4	70	229.7	111	364.2	178	584.0
	6	40	131.2	65	213.3	98	321.5	158	518.4

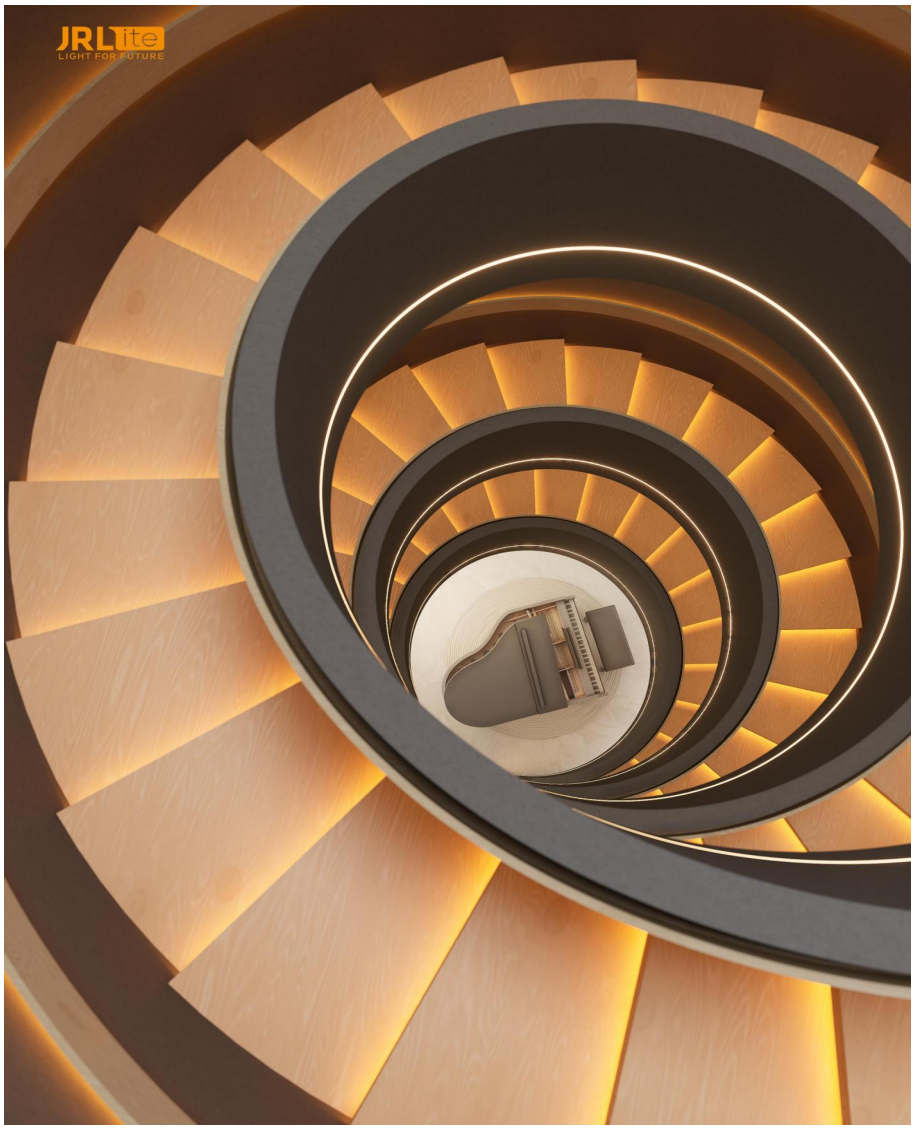
MAX. CABLE LENGTH

INPUT: DC24V

Item Code	Strip Length (m)	Max. Cable Length							
		0.52 mm²		0.81mm²		1.31 mm² (**Default**)		2.08 mm²	
		20AWG		18AWG		16AWG		14AWG	
		m	ft	m	ft	m	ft	m	ft
AXE 1617 SL–9.6W	7	37	121.4	59	193.6	94	308.4	151	495.4
	8	32	105.0	51	167.3	82	269.0	131	429.8
	9	28	91.9	45	147.6	72	236.2	115	377.3
	10	25	82.0	40	131.2	64	210.0	102	334.7
	11	22	72.2	36	118.1	57	187.0	91	298.6
	12	20	65.6	32	105.0	51	167.3	82	269.0
	13	18	59.1	29	95.1	47	154.2	75	246.1
	14	17	55.8	27	88.6	42	137.8	68	223.1
	15			24	78.7	39	128.0	62	203.4
	16			22	72.2	35	114.8	57	187.0
	17			20	65.6	32	105.0	52	170.6
	18			19	62.3	30	98.4	48	157.5
	19			17	55.8	27	88.6	44	144.4
	20			16	52.5	25	82.0	41	134.5
	21			14	45.9	23	75.5	37	121.4
	22			13	42.7	21	68.9	34	111.6
	23			12	39.4	19	62.3	31	101.7
	24			11	36.1	18	59.1	29	95.1
	25					16	52.5	26	85.3
	26					15	49.2	24	78.7
	27					13	42.7	22	72.2
	28					12	39.4	20	65.6
	29					11	36.1	18	59.1
	30					10	32.8	16	52.5
	31					8	26.2	14	45.9
	32					7	23.0	12	39.4
	33					6	19.7	10	32.8
	34					5	16.4	9	29.5
	35					4	13.1	7	23.0
	36					3	9.8	6	19.7
	37					2	6.6	4	13.1
	38					2	6.6	3	9.8
	39					1	3.3	1	3.3
	40					0.5	1.6	0.5	1.6

APPLICATION

-Facade lighting, contour lighting and landscape lighting.
-Solutions for retail shops.
-Signage and illuminated advertising.
-Ideal for architectural lighting, coves, object integration.



RELIABILITY TEST

Test Item	Test Purpose
High – low temperature test	By simulating product operation in high – and low – temperature environments, detect performance, reliability and normal – working ability under extreme temperatures.
Waterproof test	Detect product's water – proof ability to see if it can prevent water entry during different water contacts without affecting function or causing damage.
Temperature rise test	Test product – temperature rises during normal operation or specific loads to evaluate heat dissipation and thermal stability, ensuring no malfunction or performance drop from overheating.
Salt – spray test	Expose product to salt – spray to test corrosion resistance and evaluate durability and reliability in salty environments (e.g., seaside or chemically corrosive industrial areas).
Torsion test	detect its structural integrity (connection stability, enclosure and encapsulation integrity), optical performance (uniformity of light emission, brightness stability) and electrical performance (circuit conductivity, electrical insulation).
Voltage drop test	Measure the voltage drop of the circuit/component to determine that the power loss during the current – passing process meets the requirements.
Reverse polarity test	Detect its structural integrity (connection and enclosure/encapsulation), optical performance (light emission and brightness) and electrical performance (circuit and insulation).
Thermal shock test	Simulate rapid short – term temperature changes, test performance, reliability, material/structure stability under thermal shocks, determine adaptability to rapid temperature changes.
IK test	Executive standard: IEC 60068-2-75:2014; Test three points per meter and conduct three hammer tests on each point to ensure that the LED strip is normal.
UV test	To test UV – resistance and evaluate appearance/performance/material durability changes under long – term sunlight/UV exposure.
UL	To assess product safety, ensuring that products meet relevant US safety standards and safeguarding users and the environment.
TUV	Examines products in terms of safety, quality and environment to prove that the products meet relevant German and European standard requirements.
RoHS / REACH	Ensure compliance with hazardous substance restrictions in electronic products (RoHS) and safeguard human health and the environment through comprehensive chemical substance management (REACH), respectively.
CE	To determine that products comply with relevant EU directive requirements, so as to be freely circulated in the EU market and ensure that products meet standards in terms of health, safety and environmental protection.
CB	To obtain certifications and approvals from multiple countries through one – time testing, promoting the mutual recognition of products in international trade and reducing duplicate testing.
EPD	To provide a standardized and transparent assessment of a product's environmental impact throughout its lifecycle, enabling informed decisions for sustainability and compliance.


HIGH – LOW TEMPERATURE TEST


IES DARK ROOM


WATERPROOF TEST


TORSION TEST


SALT - SPRAY TEST

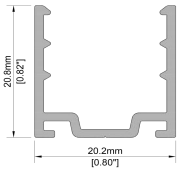

UV RESISTANCE


CABLE TENSILE TEST


TENSILE TEST

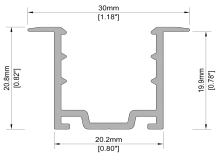
OPTIONAL ACCESSORIES

Profiles

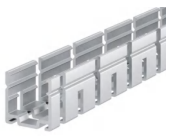
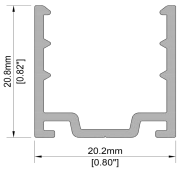
Order Code	AC167-AP
Dimension	1000x20.2x20.8mm/ 39.37"x0.80"x0.82"(LxWxH)
Material	Aluminium
Color	Silver

1mtr/pcs aluminium profile for surface application

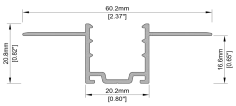
Order Code	AC167-EP
Dimension	1000x20.2x19.9mm/ 39.37"x0.80"x0.78"(LxWxH)
Material	Aluminium
Color	Silver

1mtr/pcs aluminium profile for embedded application

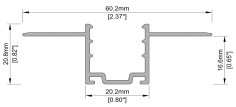
Order Code	AC167-CR
Dimension	1000x20.2x20.8mm/ 39.37"x0.80"x0.82"(LxWxH)
Material	Aluminium
Color	Silver

1mtr/pcs curved aluminium profile for surface application
Min. diameter for top/side bending: 600 mm

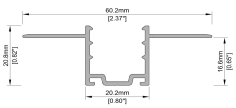
Order Code	AC167-LP
Dimension	1000x20.2x16.6mm/ 39.37"x0.80"x0.65"(LxWxH)
Material	Aluminium
Color	Silver

1mtr/pcs lace aluminium profile for embeded application

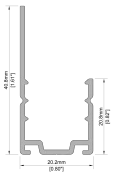
Order Code	AC167-CRL
Dimension	1000x20.2x16.6mm/ 39.37"x0.80"x0.65"(LxWxH)
Material	Aluminium
Color	Silver

1mtr/pcs lace aluminium profile for embeded application
Min. diameter for top bending: 600mm; Side bending: 1600 mm

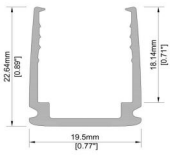
Order Code	AC167-SCRL
Dimension	1000x20.2x16.6mm/ 39.37"x0.80"x0.65"(LxWxH)
Material	Aluminium
Color	Silver

1mtr/pcs lace aluminium profile for embeded application
Min. diameter for top/side bending: 600 mm

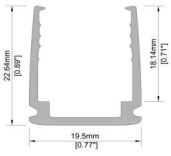
Order Code	AC167-BA
Dimension	1000x20.2x40.8mm/ 39.37"x0.80"x1.61"(LxWxH)
Material	Aluminium
Color	Silver

1mtr/pcs anti glare baffle profile for surface application



Order Code	AC167-PC
Dimension	1000x19.5x22.64mm/ 39.37"x0.8"x0.65"(LxWxH)
Material	PVC
Color	Transparent

1mtr/pcs curved PC profile for surface application

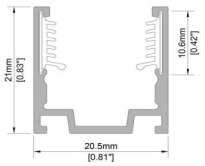



Order Code	AC167-CPC
Dimension	1000x19.5x22.64mm/ 39.37"x0.8"x0.65"(LxWxH)
Material	PVC
Color	Transparent

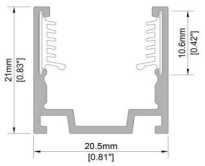
1mtr/pcs curved PC profile for surface application
Min. diameter for top/side bending: 300 mm

OPTIONAL ACCESSORIES

Profiles

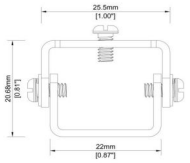



Order Code	AC167-SGP
Dimension	1000x20.5x21mm/ 39.37"x0.81"x0.83"(LxWxH)
Material	Aluminium with silicone grooved
Color	Silver
1mtr/pcs aluminium profile for surface application	

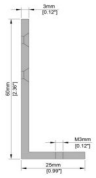




Order Code	AC167-CSGP
Dimension	1000x20.5x21mm/ 39.37"x0.81"x0.83"(LxWxH)
Material	Aluminium with silicone grooved
Color	Silver
1mtr/pcs cruved profile for surface application(Only Side Bend)	

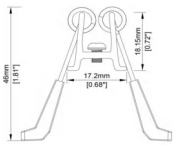
Profile Bracket


Order Code	AC167-AMB
Dimension	25.5x15x20.68mm/ 1"x0.59"x0.81"(LxWxH)
Material	Stainless steel
Color	Silver
1 pcs profile angle mounting bracket + 1 screw	

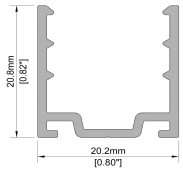




Order Code	AC167-SET-LA
Dimension	20x25x60mm/ 0.79"x0.99"x2.36"(LxWxH)
Material	Aluminium
Color	Silver
1 pcs L shape profile bracket + 3 screw	

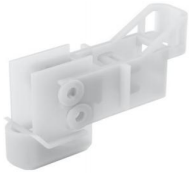

Order Code	AC167-SET-LC
Dimension	30x17.2x18.15mm/ 1.18"x0.68"x0.71"(LxWxH)
Material	Aluminium
Color	Silver & orange
Lifting Clip for Embedded Profile	

Clips

Order Code	AC167-MC
Dimension	25x20.2x20.8mm/ 0.98"x0.80"x0.82"(LxWxH)
Material	Aluminium
Color	Silver
Each meter led strip needs 4 clips + 4 screws	

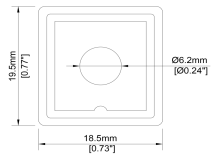
Tool



Order Code	IF-167
Material	PC
Color	White
Insertion Fixture for curved PC profile	

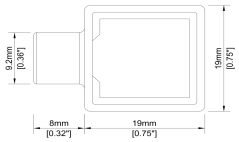
OPTIONAL ACCESSORIES

Cable Entry



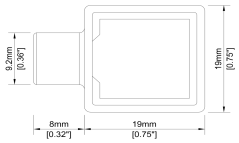
Order Code	AC167-EC-F
Dimension	13x18.5x19.5mm/ 0.52"x0.73"x0.77"(LxWxH)
Material	Silicone
Color	Opal

1pcs cap+30cm Black PVC cable (Front Cable Entry)-IP67



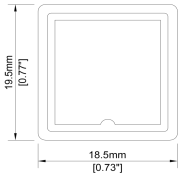
Order Code	AC167-EC-S
Dimension	14x19x19mm/ 0.55"x0.75"x0.75"(LxWxH)
Material	Silicone
Color	Opal

1pcs cap+30cm Black PVC cable (Side Cable Entry)-IP67



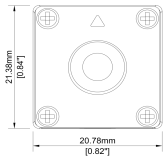
Order Code	AC167-EC-B
Dimension	14x19x19mm/ 0.55"x0.75"x0.75"(LxWxH)
Material	Silicone
Color	Opal

1pcs cap+30cm Black PVC cable (Bottom Cable Entry)-IP67



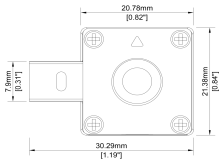
Order Code	AC167-EC
Dimension	14x19x19mm/ 0.55"x0.75"x0.75"(LxWxH)
Material	Silicone
Color	Opal

1pcs closed endcap-IP67



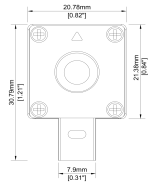
Order Code	1617-WS-C-5P-F/L-30
Dimension	30x20.8x21.4mm/ 1.18"x0.82"x0.84"(LxWxH)
Material	PVC
Color	Transparent

1pcs cap+30cm Black PVC cable (Left Front Cable Entry)-IP67
FOR AXE SL



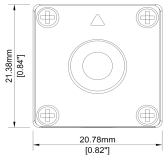
Order Code	1617-WS-C-5P-S/L-30
Dimension	30x20.8x21.4mm/ 1.18"x0.82"x0.84"(LxWxH)
Material	PVC
Color	Transparent

1pcs cap+30cm Black PVC cable (Left Side Cable Entry)-IP67
FOR AXE SL



Order Code	1617-WS-C-5P-B/L-30
Dimension	30x20.8x21.4mm/ 1.18"x0.82"x0.84"(LxWxH)
Material	PVC
Color	Transparent

1pcs cap+30cm Black PVC cable (Left Bottom Cable Entry)-IP67
FOR AXE SL



Order Code	1617T-WS
Dimension	30x20.8x21.4mm/ 1.18"x0.82"x0.84"(LxWxH)
Material	PVC
Color	Transparent

1pcs closed endcap-IP67
FOR AXE SL

Jumper & Connector

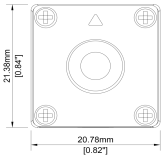
Order Code	1617T-SI-J-F/LR-15
Dimension	16x17mm/0.63"x0.67"(WxH)
Material	Silicone
Color	Opal

Integrated endcap+15cm White Silicone cable
(Front Jumper-IP68)

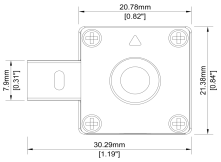
OPTIONAL ACCESSORIES

Order Code	**1617T-SI-J-S/LR-15**
Dimension	16x17mm/0.63"x0.67"(WxH)
Material	Silicone
Color	Opal
Integrated endcap+15cm White Silicone cable (Side Jumper-IP68)	

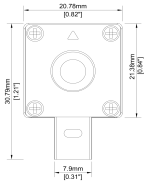
Order Code	**1617T-SI-J-B/LR-15**
Dimension	16x17mm/0.63"x0.67"(WxH)
Material	Silicone
Color	Opal
Integrated endcap+15cm White Silicone cable (Bottom Jumper-IP68)	



Order Code	**1617T-WS-J-2P-F/LR-7**
Dimension	20.8x21.4mm/0.82"x0.84"(WxH)
Material	PVC
Color	Transparent
2Pcs With Screws DIY Endcaps+7cm Black PVC cable (Front Jumper-IP67)**FOR AXE SL**	



Order Code	**1617T-WS-J-2P-S/LR-7**
Dimension	20.8x21.4mm/0.82"x0.84"(WxH)
Material	PVC
Color	Transparent
2Pcs With Screws DIY Endcaps+7cm Black PVC cable (Side Jumper-IP67)**FOR AXE SL**	



Order Code	**1617T-WS-J-2P-B/LR-7**
Dimension	20.8x21.4mm/0.82"x0.84"(WxH)
Material	PVC
Color	Transparent
2Pcs With Screws DIY Endcaps+7cm Black PVC cable (Bottom Jumper-IP67)**FOR AXE SL**	

Order Code	**1617T-NS-J-2P**
Dimension	20.8x21.4mm/0.82"x0.84"(WxH)
Material	PVC
Color	Transparent
1pcs strip to strip connector(IP54) **FOR AXE SL**	

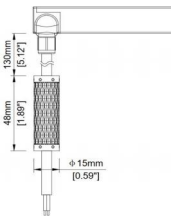
Order Code	**AD007-2**
Wire Gauge	0.519mm²/20AWG
Protection	IP68 (Mated)
Material	PVC
Color	Black/White
1 pair of IP68 Connector 2PIN	

Order Code	**AD020**
Wire Gauge	0.32mm²/22AWG
Protection	IP68 (Mated)
Material	PVC
Color	Black/White
1 pcs signal connector 5PIN **(For AXE DMX)**	

Order Code	**AD021**
Wire Gauge	0.32mm²/22AWG
Protection	IP68 (Mated)
Material	PVC
Color	Black/White
1 pcs T type connector 5PIN **(For AXE DMX)**	

OPTIONAL ACCESSORIES

Anti-Siphon Ferrule



Default ACC	
Dimension	48x15mm/1.89"x0.59"(LxW)
Material	Copper
Color	Silver
Used to prevent siphoning	

Driver

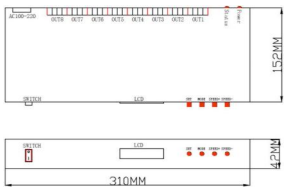
Order Code	**HLG-480H-24**
DC Voltage	24V
Rated Power	480W
Rated Current	20A
IP rated	IP67

Order Code	**HLG-600H-24**
DC Voltage	24V
Rated Power	600W
Rated Current	25A
IP rated	IP67

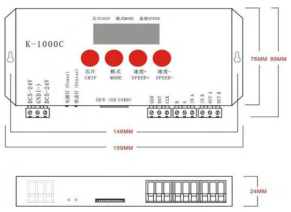
**Note: Our constant voltage and constant current just means the circuit deisgn, all JRLite neon flex and led strip use constant volatge drivers.*

Controller

Order Code	**WT-DMX-M + R9**
Power Input	12-36Vdc
Input signal	WiFi, RF 2.4G, Push switch
Output signal	DMX512 (multipixel)
Channel number (Pixel Dots)	Max 512 Channel RGB: 170 Pixels RGBW: 128 Pixels RGBWW: 102 Pixels
Available CCT	DMX RGB/RGBW/RGBWW



Order Code	**T-790K**
Power Input	AC 100-240Vdc
Gray level	32~65536 degree Gray control, Gamma correction procession handle
Output signal	Standard DMX512 extension protocol; SPI/TTL Serial Protocol; ArtNet Protocol;
Output port	8
Each port pixel	512/1024 pixels
Other	Supports Madrix software control, with a maximum of 6 signal outputs per port
Available CCT	WHT/Tunable WHT/RGB/RGBW/ RGBWW; DMX; SPI



Order Code	**K-1000C**
Power Input	5-24Vdc
Gray level	32~65536 degree Gray control, Gamma correction procession handle
Output signal	Standard DMX512 protocol; SPI/TTL serial protocol.
Output port	1
Each port pixel	512/2048Pixels
Available CCT	WHT/Tunable WHT/RGB/RGBW/ RGBWW; DMX; SPI

PRODUCT DIMENSION & WEIGHT

Item Code	Single Product				Package Info					
	L	W	H	Net weight	Packaging unit (Pieces/carton)	L	W	H	Volume	Gross weight
AXE 1617 SL	1000mm	16mm	17mm	355.00g	/	/	/	/	/	/
AXE 1617 SL	5000mm	16mm	17mm	1780.00g	12	400mm	400mm	310mm	49.60dm³	24080.00g
AXE 1617 SL	10000mm	16mm	17mm	3550.00g	6	400mm	400mm	310mm	49.60dm³	24350.00g
AXE 1617 SL	20000mm	16mm	17mm	7100.00g	3	400mm	400mm	310mm	49.60dm³	23080.00g
AXE 1617 SL	30000mm	16mm	17mm	10650.00g	2	400mm	400mm	310mm	49.60dm³	23080.00g
AXE 1617 SL	40000mm	16mm	17mm	14200.00g	1	450mm	450mm	310mm	62.78dm³	15200.00g
AXE 1617 SL	50000mm	16mm	17mm	17750.00g	1	450mm	450mm	310mm	62.78dm³	18750.00g

**This table data is for reference only. Please refer to the actual shipment data of the product for accuracy.*

Item Code	Single Product				Package Info					
	L	W	H	Net weight	Packaging unit (Pieces/carton)	L	W	H	Volume	Gross weight
AXE 1617 DMX	1000mm	16mm	17mm	350.00g	/	/	/	/	/	/
AXE 1617 DMX	5000mm	16mm	17mm	1750.00g	12	400mm	400mm	310mm	49.60dm³	23700.00g
AXE 1617 DMX	10000mm	16mm	17mm	3500.00g	6	400mm	400mm	310mm	49.60dm³	24000.00g
AXE 1617 DMX	20000mm	16mm	17mm	7000.00g	3	400mm	400mm	310mm	49.60dm³	22780.00g

**This table data is for reference only. Please refer to the actual shipment data of the product for accuracy.*

ADDITIONAL PRODUCT INFORMATION

▹ **Equipped with accessories:** For all Neon strip & LED strip, are suggested to be equipped with profiles or other necessary equipment accessories.

▹ **IPC 6013C:** LED strips are designed for static installations in accordance with IPC 6013C – Use A. Take material vibrations, repetitive torsion, and elongation/compression into account.

▹ **Operating environment:** If the operating environment covers a broad temperature range (such as outdoors applications) and the operating length is longer than 2 meters, the use of adequate mounting surfaces is required. Assure enough space for strip expansion and heat dissipation with increasing temperature.

▹ **Power control and supply:** Use only SELV LED drivers in accordance with applicable lighting standards and LED strip ratings. In order to safely operate JRLITE LED strips it is necessary to supply them with an electronically stabilized power supply providing protection against short circuits, overload and overheating. Please select a power control device that meets international certification requirements to ensure the installation and operation of the product.

▹ **Hydrogen sulfide:** The manufacturer is not responsible for damage due to chemical corrosion. The user must provide suitable protection against corrosive agents such as moisture and condensation and any other harmful elements/compounds. Make certain to avoid corrosive atmospheres. According to the current state of LED technology, hydrogen sulfide (H2S) causes accelerated corrosion which leads to shortened lifetime or premature failure. Sources of H2S may be rubber, foam rubber, soft-foam tapes, rubber-based sealing, natural sources (e.g. sulfur springs), etc. To avoid H2S from sulfur-vulcanized rubber use silicon-based materials or peroxide-crosslinked rubber instead. Follow the recommendations in the material datasheet of the rubber supplier.

▹ **Humidity and dust:** For applications involving exposure to humidity and dust, the strip must be protected by a fixture or housing with a suitable IP protection class.

▹ **Electrical isolation:** Always ensure electrical isolation between the LED strip and the mounting surface, especially in the vicinity of connections or cut ends.

▹ **Lifetime:** Exceeding maximum operating and storage temperature ratings can reduces the expected lifetime or even destroy the LED strip. The temperature of the LED strip must be measured at the Tc-point in accordance with EN 60598-1 under steady-state conditions, considering the worst case; drive all channels at 100 % power. Refer to the product drawing for the exact location of the Tc-point.

▹ **Installation:** Installation of LED strips and connection to the power supply must comply with all applicable electrical and safety standards.

Observe correct polarity and wiring diagrams! Incorrect polarity or wrong wiring can cause unpredictable permanent damage or even failure of the product.

Only a qualified electrician may install the strip.

Handle with care and ensure that there is no physical product damage, including damage to invisible internal electronics parts.

Exceeding the maximum ratings for the operating voltage causes hazardous overload and will likely destroy the LED strip.

Never exceed the maximum operable length, including other wires.

▹ **IP20 Product:** Part IP20 LED strips are equipped with a self-adhesive tape for attaching the LED strip to suitable materials, such as aluminum profiles, which must be clean and free of oil, silicone coatings, or any other dirt/dust particles. The adhesive tape is intended for single use, and if removed may damage the material to which it is stuck and the LED strip itself, which must then be scrapped. After products are equipped, it will take at least 72 hours to complete adhesion.

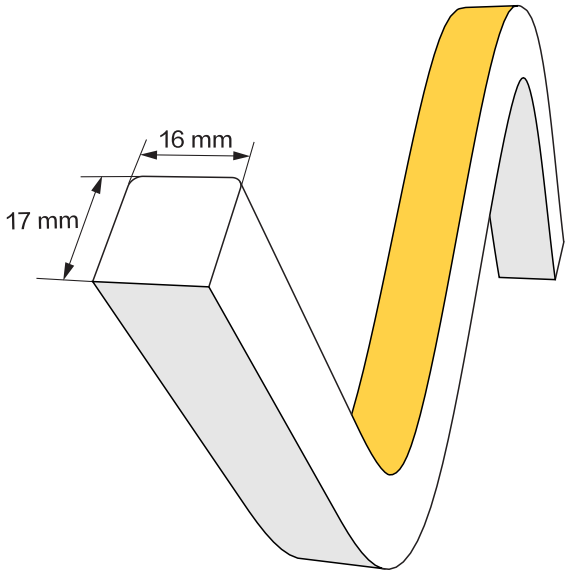
IP20 LED strips, as manufactured, have no conformal coating and therefore offer no inherent protection against corrosion. Conformal coating treatment(equipped with aluminum profiles) is possible, however materials must be selected properly in order to avoid product damage or impaired performance.
The user must also completely seal the cut parts (ends/edges), to ensure the IP level still meet customer requirements.

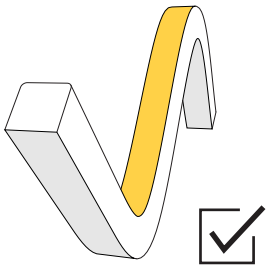
IP20 LED strips are ESD-sensitive; take adequate precautions during installation and operation of the products.

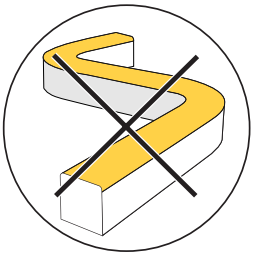
▹ Consult JRLITE Technical Service for further advice.

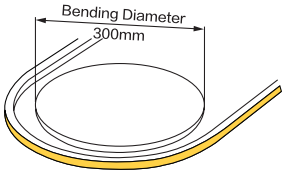
USER INSTRUCTION

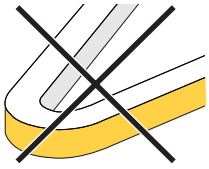
LEDLINE ACE 1617T







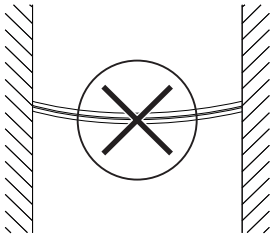




Bend too tight

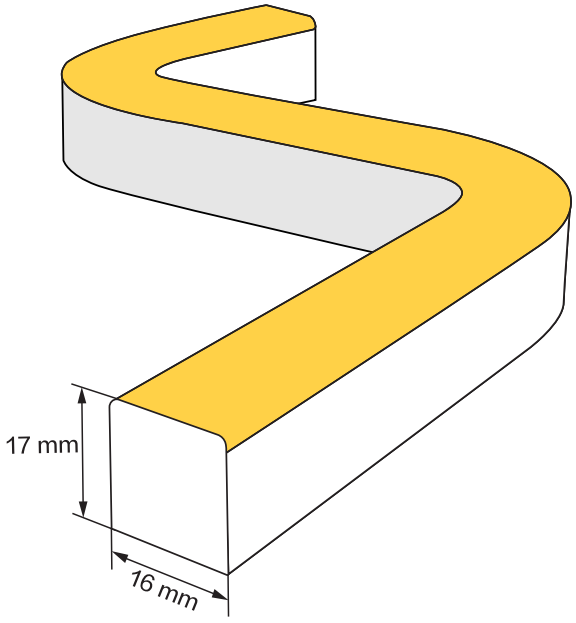
Do not twist

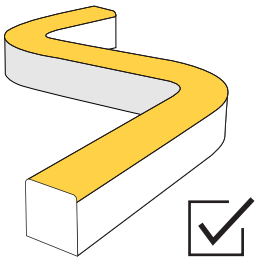
Do not hang

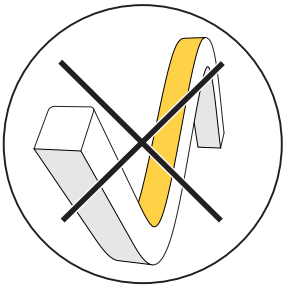


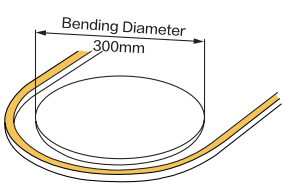
Do not droop

LEDLINE ACE 1617S





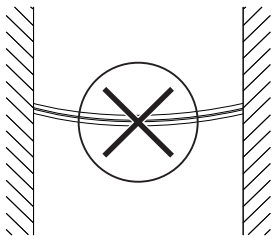




Bend too tight

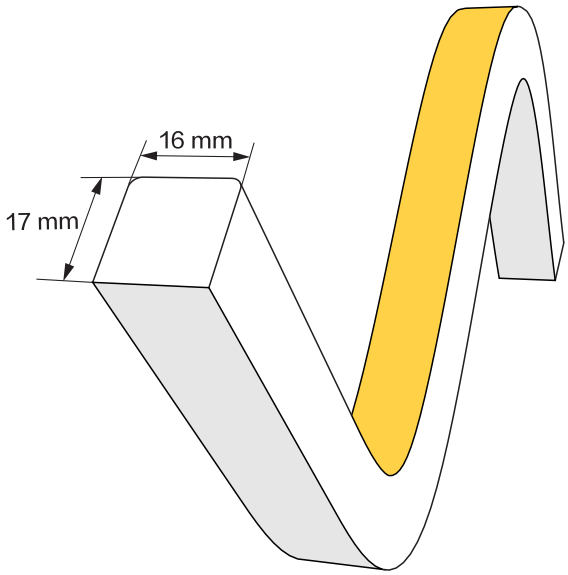
Do not twist

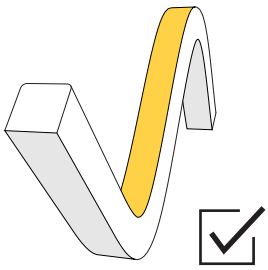
Do not hang

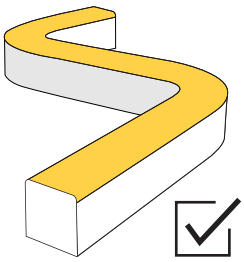


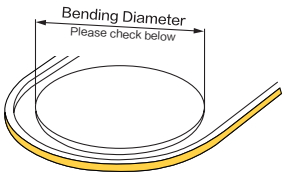
Do not droop

LEDLINE AIR/AXE 1617





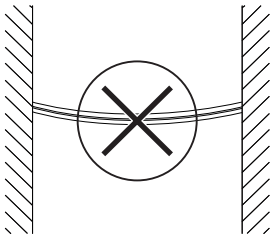




Max. twist angle: 540°

Bend too tight

Do not hang



Do not droop

1. The most suitable operation temperature shall be -40˚C to 65˚C .

2. Please ensure that the predetermined bending direction is maintained throughout installation. Non-3D product can only be bent in one specified direction and must not be twisted.

3. Shall not be bent sharply and it may cause productdamage.

4. The minimum bending diameter:
LEDLINE ACE 1617T : Top bending 300mm
LEDLINE ACE 1617S : Side bending 300mm
LEDLINE AIR 1617 (3D): Top bending 200mm; Side bending 200mm
LEDLINE AXE 1617 DMX (3D): Top bending 200mm; Side bending 200mm
LEDLINE AXE 1617 SL (3D): Top bending 200mm; Side bending 450mm
over bending will damage and void any warranty.

5. During the installation, the product can not be:
-Twisted (Non-3D product can not be twisted, 3D product can be twisted within 540°)
-Dropped
-Bent at a 90° angle or bent at all
-Sagging/Hanging down

6. For installation, 2 ways for your selection.
-Mounting clips
-Profile

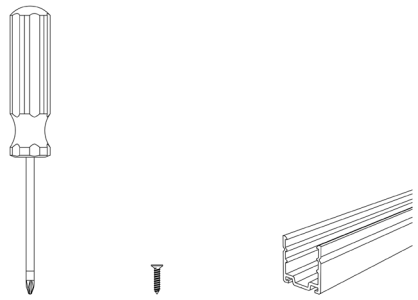
7. Install the product into profile carefully and correctly, taking out and re-assembling will most likely cause the product damaged.

Warranty:

- All LED light are warranted to be free from defects in product itself from the date of purchase.
- Within this period, we, at its sole option, repair or replace any components which fail from correct use. Such repairs or replacement will be made at no charge to the customer for parts only, provided that the customer shall be responsible for transportation cost of the goods.
- This warranty does not cover failures due to abuse, misuse, improper handling, act of nature, negligence, normal wear, accidental damage, modifications or repairs made by the purchaser or incorrect voltage conditions.

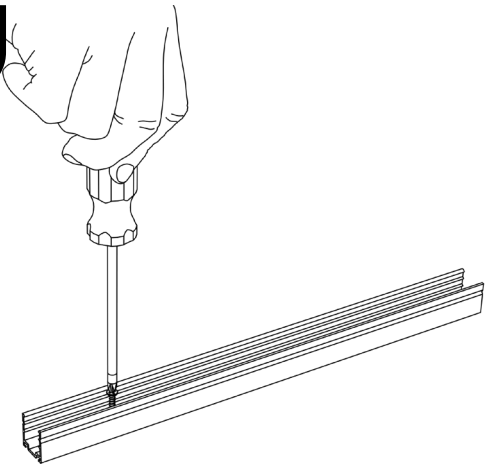
Aluminium Profile: AC167-AP

Step1



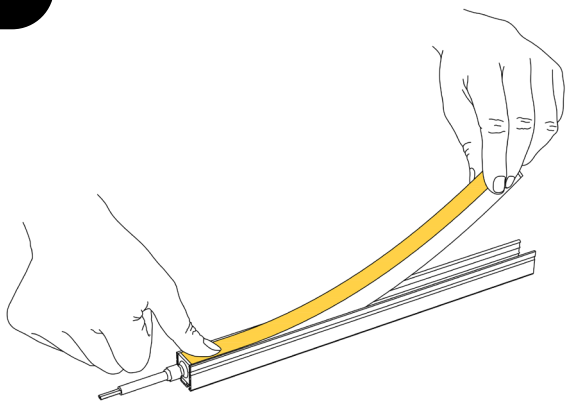
Preparation: Gather all tools and materials.

Step2



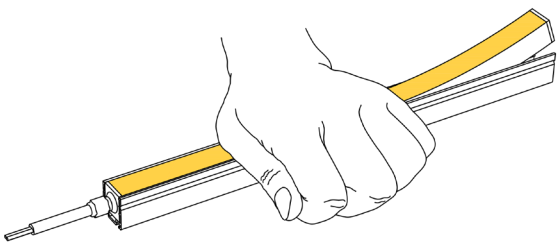
Use screws to secure the profile to the needed installation surface.

Step3



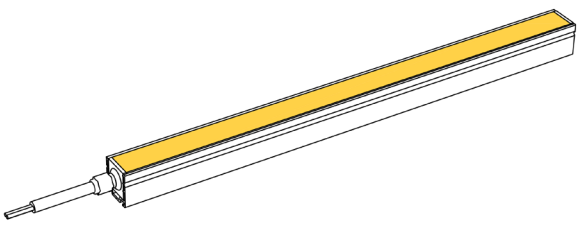
Use your thumb to first fix the starting end of the strip (with wires).

Step4



Use your palm to gradually press the Neon strip into the profile.

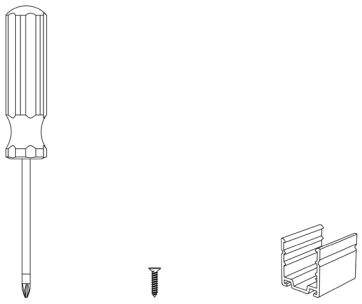
Step5



Ensure that the strip is parallel to the profile and installed smoothly in place (as shown in the figure).

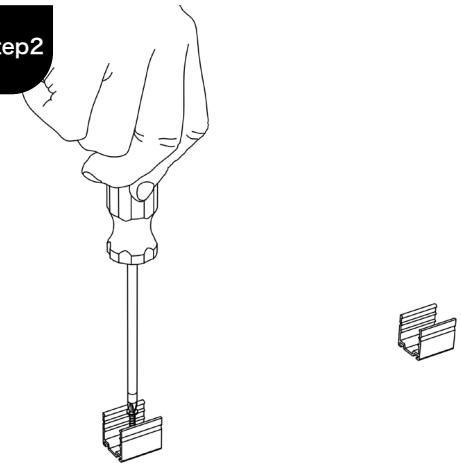
Mounting Clips: AC167-MC

Step1



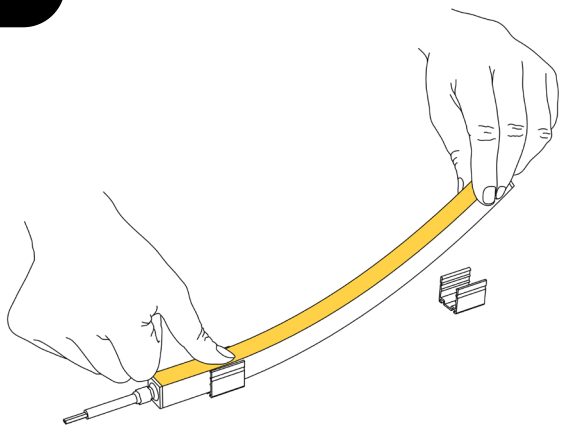
Preparation: Gather all tools and materials.

Step2



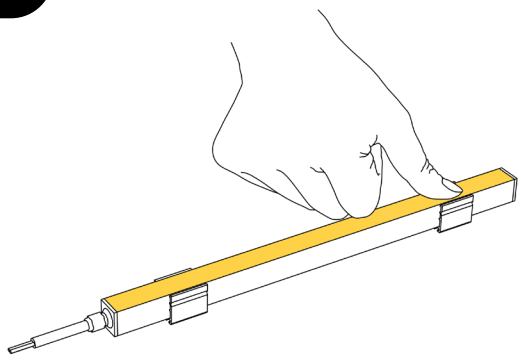
Use screws to secure the profile to the needed installation surface.

Step3



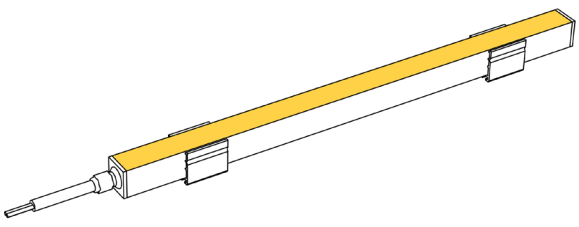
Use your thumb to first fix the starting end of the strip (with wires).

Step4



Use your palm to gradually press the Neon strip into the profile.

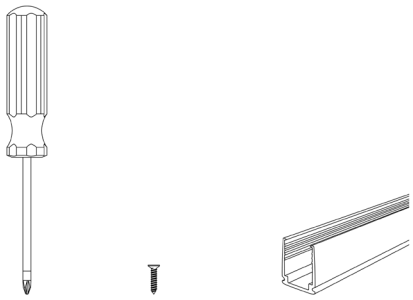
Step5



Ensure that the strip is parallel to the profile and installed smoothly in place (as shown in the figure).

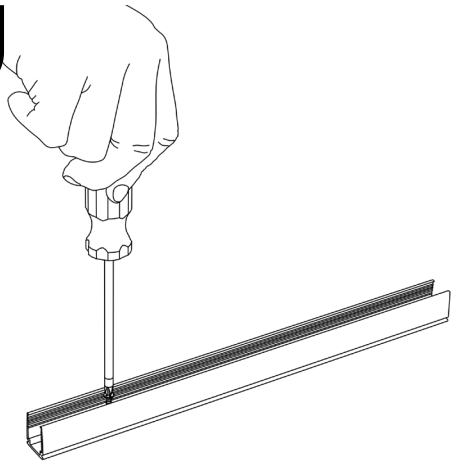
PC Profile: AC167-PC

Step1



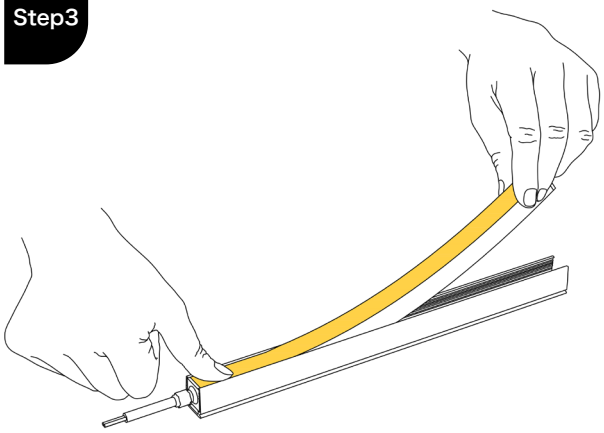
Preparation: Gather all tools and materials.

Step2



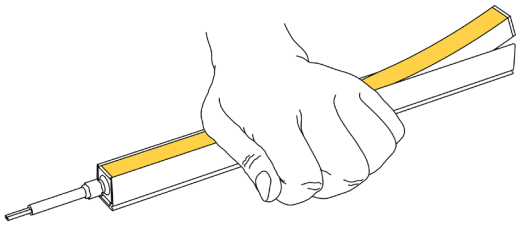
Use screws to secure the profile to the needed installation surface.

Step3



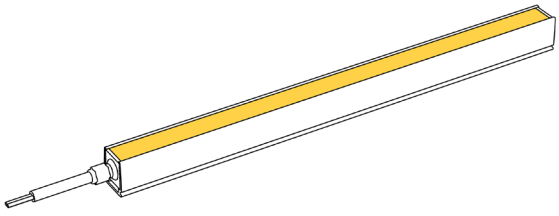
Use your thumb to first fix the starting end of the strip (with wires).

Step4



Use your palm to gradually press the Neon strip into the profile.

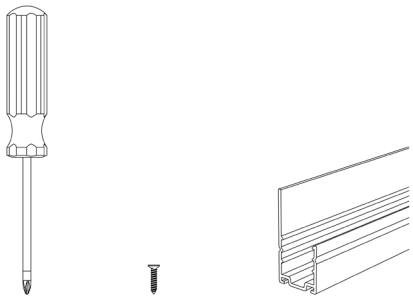
Step5



Ensure that the strip is parallel to the profile and installed smoothly in place (as shown in the figure).

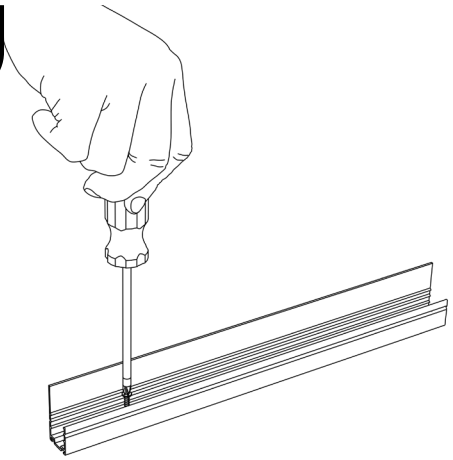
Aluminium Profile: AC167-BA

Step1



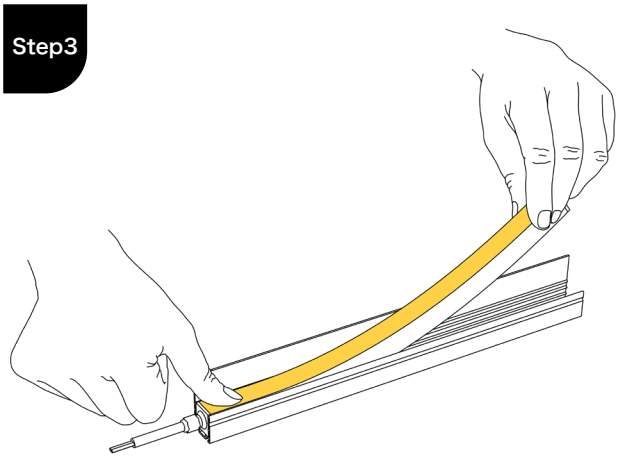
Preparation: Gather all tools and materials.

Step2



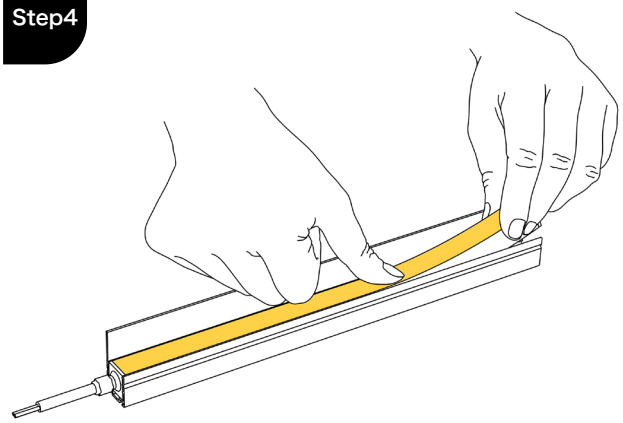
Use screws to secure the profile to the needed installation surface.

Step3



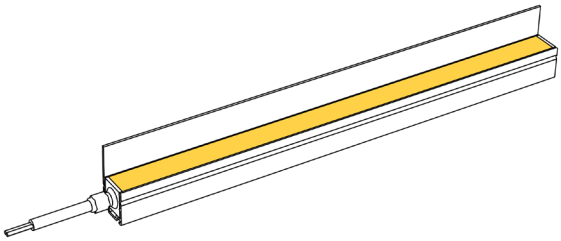
Use your thumb to first fix the starting end of the strip (with wires).

Step4



Then gradually press the Neon strip into the profile.

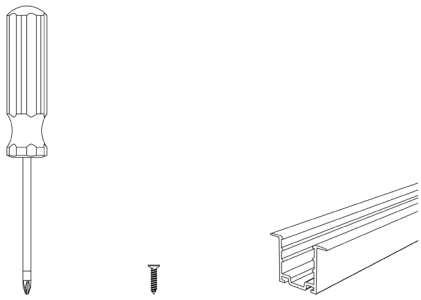
Step5



Ensure that the strip is parallel to the profile and installed smoothly in place (as shown in the figure).

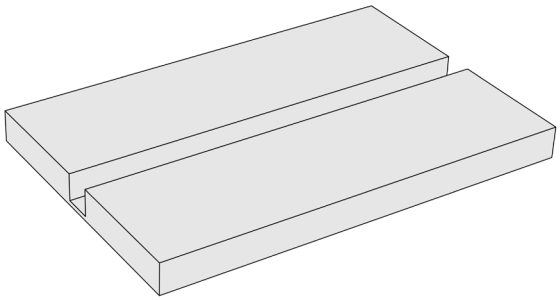
Aluminium Profile: AC167-EP

Step1



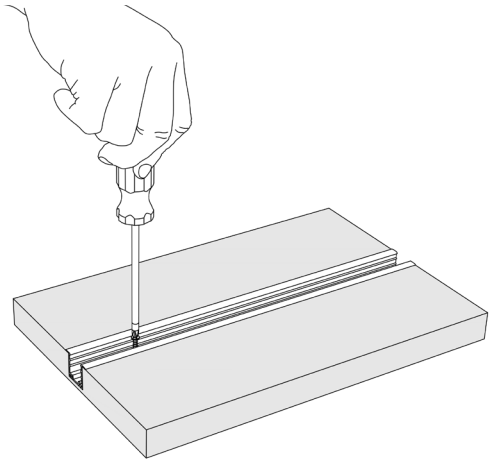
Preparation: Gather all tools and materials.

Step2



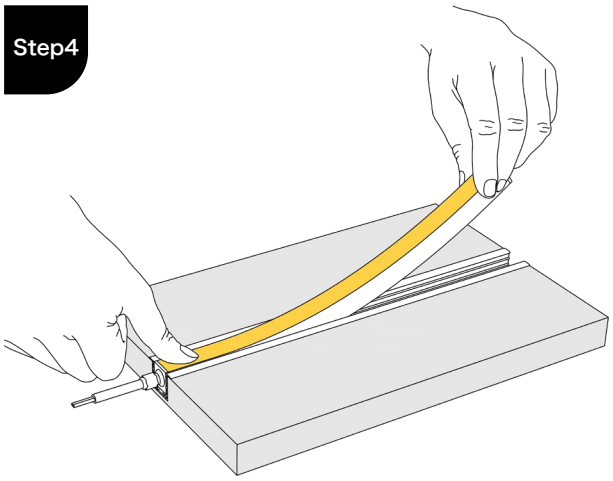
According to the size of the profile, groove the required installation surface (wooden board or wall, etc.).

Step3



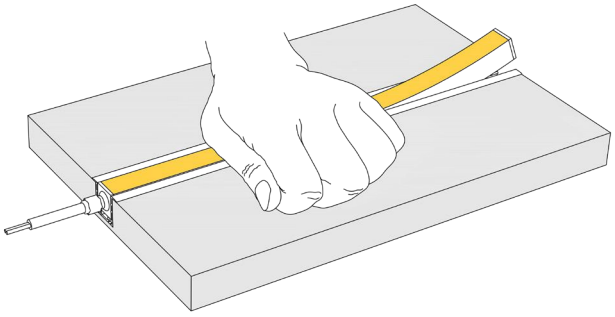
Use screws to secure the profile to the grooved installation surface.

Step4



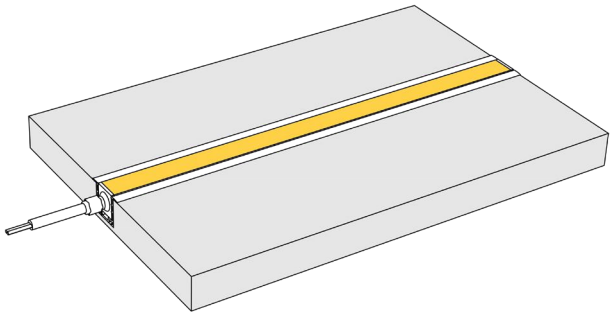
Use your thumb to first fix the starting end of the strip (with wires).

Step5



Use your palm to gradually press the Neon strip into the profile.

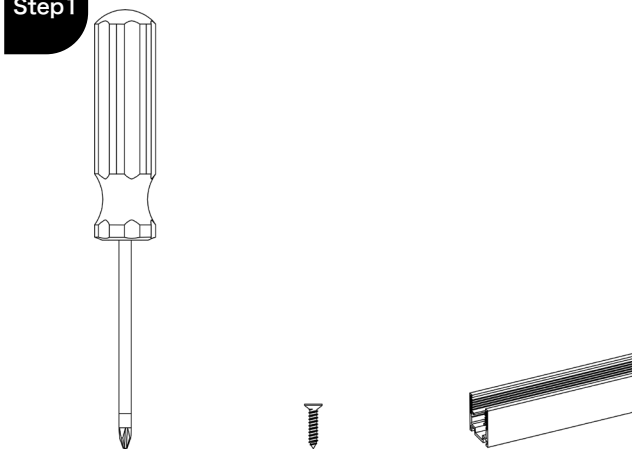
Step6



Ensure that the strip is parallel to the profile and installed smoothly in place (as shown in the figure).

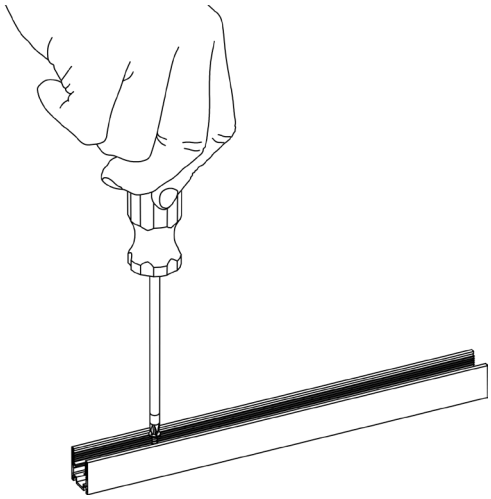
PC Profile: AC167-SGP

Step1



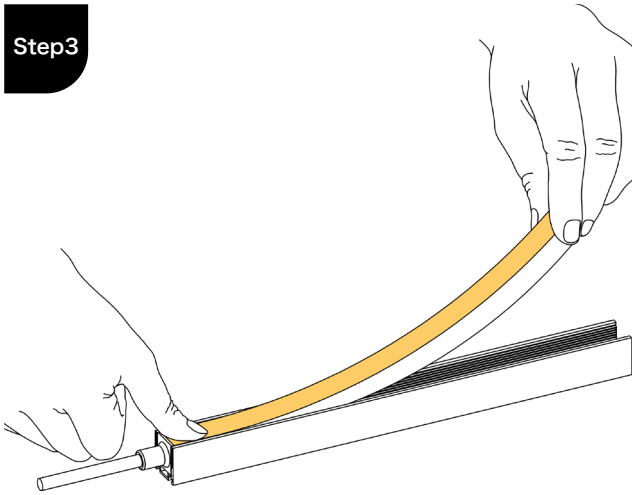
Preparation: Gather all tools and materials.

Step2



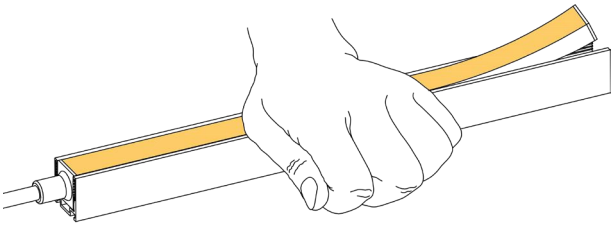
Use screws to secure the profile to the needed installation surface.

Step3



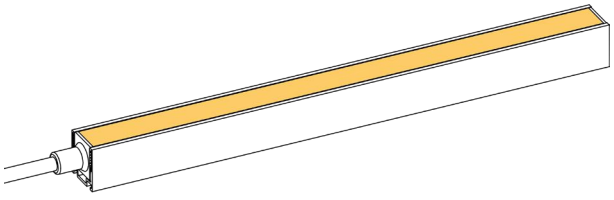
Use your thumb to first fix the starting end of the strip (with wires).

Step4



Use your palm to gradually press the Neon strip into the profile.

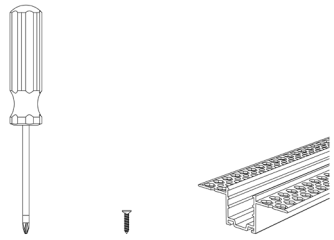
Step5



Ensure that the strip is parallel to the profile and installed smoothly in place (as shown in the figure).

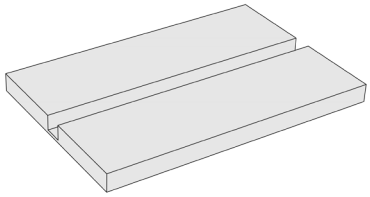
Mud-in Application: AC167-LP

Step1



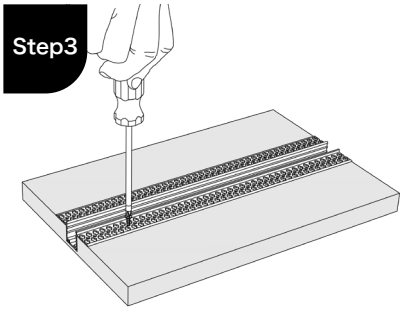
Preparation: Gather all tools and materials.

Step2



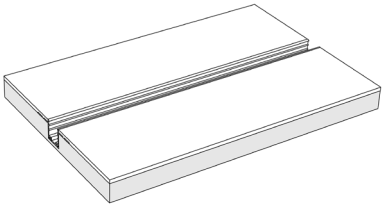
According to the size of the profile, groove the required installation surface (wooden board or wall, etc.).

Step3



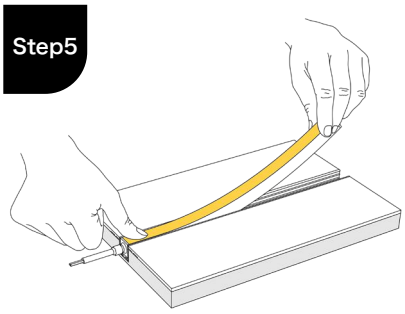
Use screws to secure the profile to the grooved installation surface.

Step4



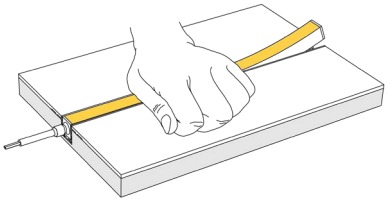
Fix the flange edge of the profile with cement paste (ensure it is level with the installation surface).

Step5



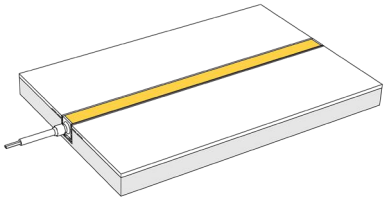
Use your thumb to first fix the starting end of the strip (with wires).

Step6



Use your palm to gradually press the Neon strip into the profile.

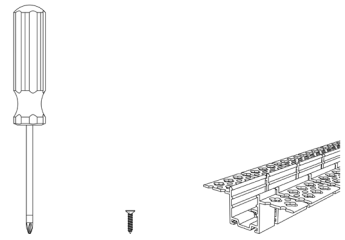
Step7



Ensure that the strip is parallel to the profile and installed smoothly in place (as shown in the figure)

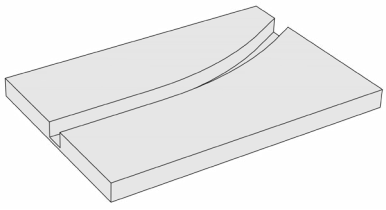
Curved Mud-in Application: AC167-CRL

Step1



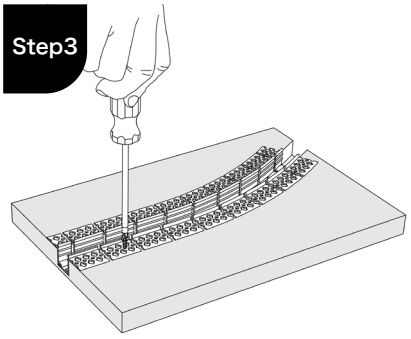
Preparation: Gather all tools and materials.

Step2



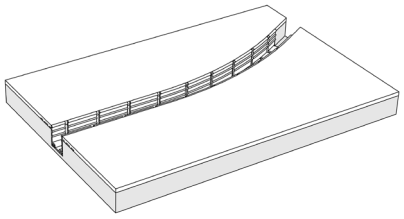
According to the size of the profile, groove the required installation curved surface (wooden board or wall , etc.).

Step3



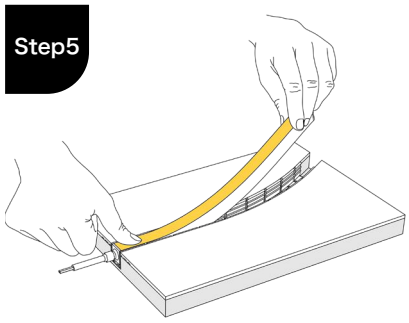
Use screws to secure the profile to the grooved installation surface.

Step4



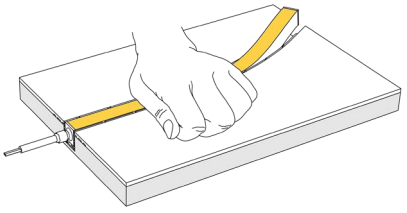
Fix the flange edge of the profile with cement paste (ensure it is level with the installation surface).

Step5



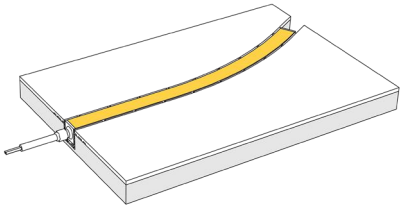
Use your thumb to first fix the starting end of the strip (with wires).

Step6

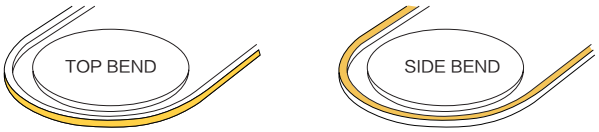


Use your palm to gradually press the Neon strip into the profile.

Step7



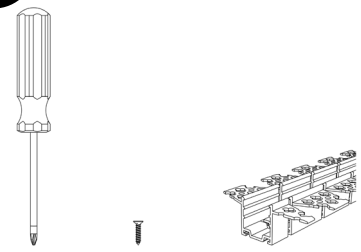
Ensure that the strip is parallel to the profile and installed smoothly in place (as shown in the figure)



The minimum bending diameter of **AC167-CRL** is 600mm for top bending and 1600mm for side bending

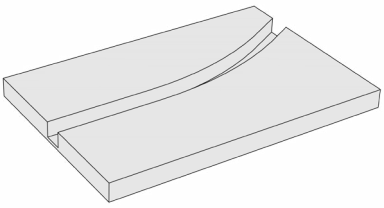
Curved Mud-in Application: AC167-SCRL

Step1



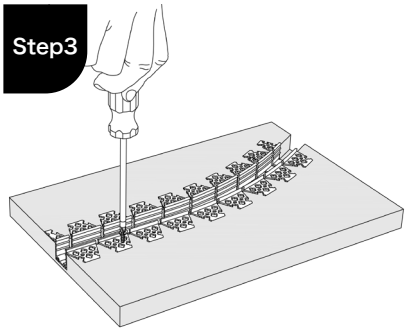
Preparation: Gather all tools and materials.

Step2



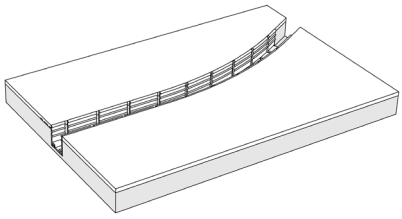
According to the size of the profile, groove the required installation curved surface (wooden board or wall , etc.).

Step3



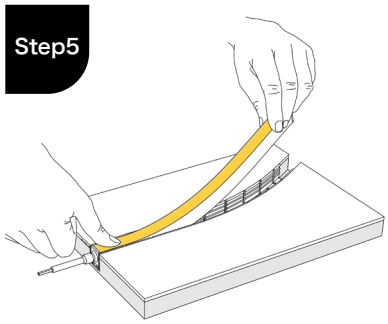
Use screws to secure the profile to the grooved installation surface.

Step4



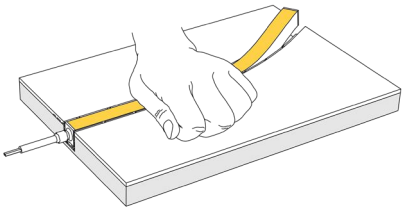
Fix the flange edge of the profile with cement paste (ensure it is level with the installation surface).

Step5



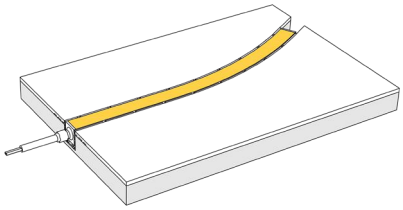
Use your thumb to first fix the starting end of the strip (with wires).

Step6

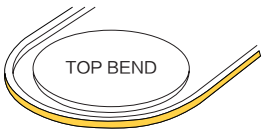


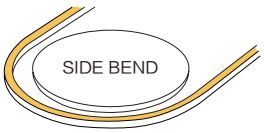
Use your palm to gradually press the Neon strip into the profile.

Step7



Ensure that the strip is parallel to the profile and in stalled smoothly in place (as shown in the figure)

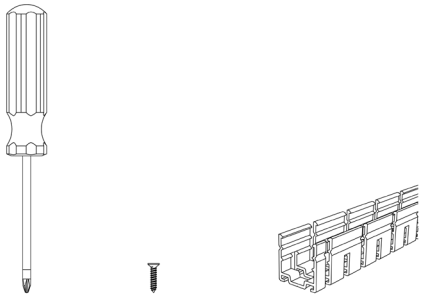




The minimum bending diameter of **AC167-SCRL** is 600mm for top bending and 600mm for side bending;

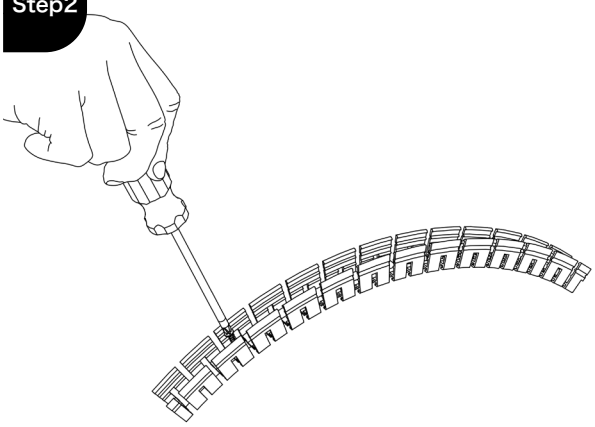
Aluminium Profile: AC167-CR

Step1



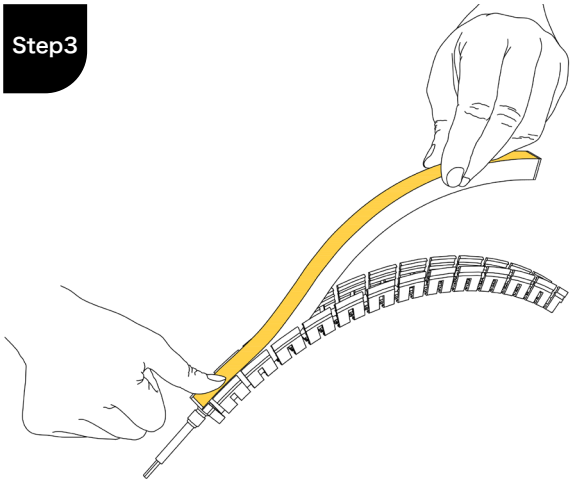
Preparation: Gather all tools and materials.

Step2



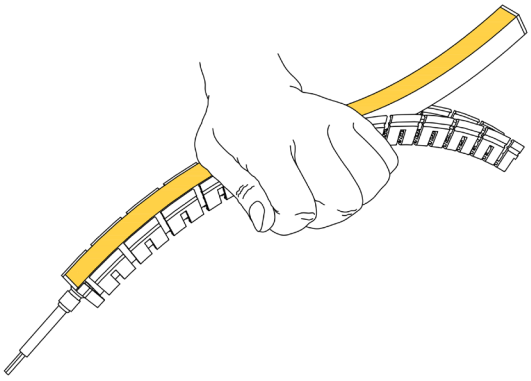
Select the curved installation surface. Bend the profile to fit tightly against the surface and secure it with screws.

Step3



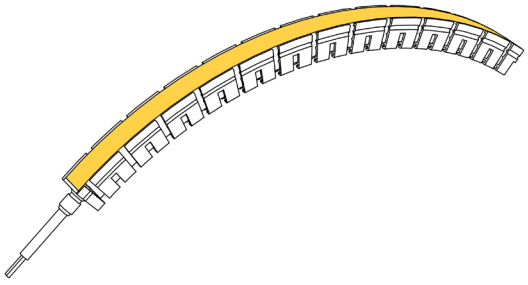
Use your thumb to first fix the starting end of the strip (with wires).

Step4

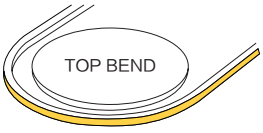


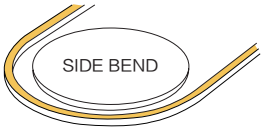
Use your palm to gradually press the Neon strip into the profile.

Step5



Ensure that the strip is parallel to the profile and installed smoothly in place (as shown in the figure).

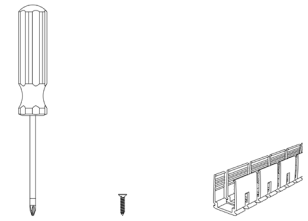




The minimum bending diameter of **AC167-CR** is 600mm for top bending and 600mm for side bending.

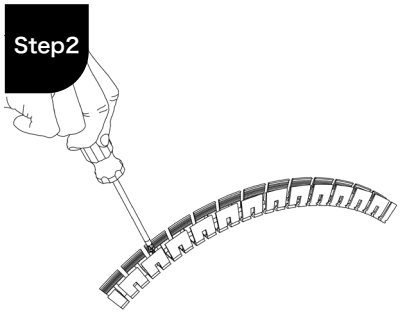
PC Profile: AC167-CPC

Step1



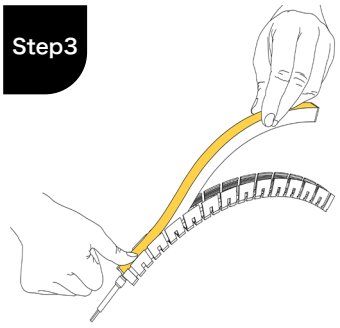
Preparation: Gather all tools and materials.

Step2



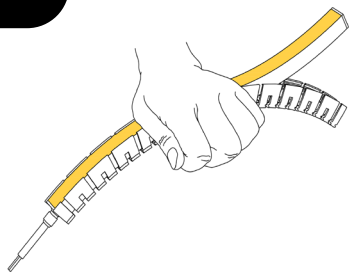
Select the curved installation surface. Bend the profile to fit tightly against the surface and secure it with screws.

Step3



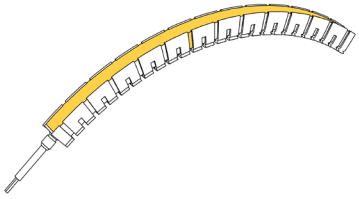
Use your thumb to first fix the starting end of the strip (with wires).

Step4

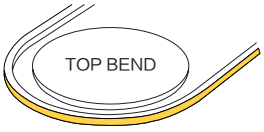


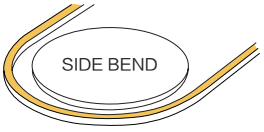
Use your palm to gradually press the Neon strip into the profile.

Step5



Ensure that the strip is parallel to the profile and installed smoothly in place (as shown in the figure)

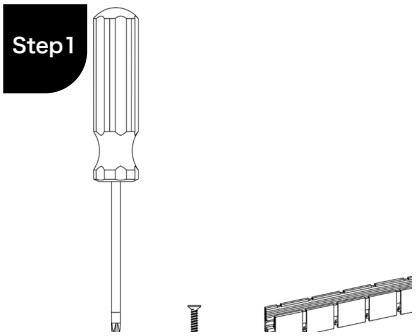




The minimum bending diameter of **AC167-CPC** is 300mm for top bending and 300mm for side bending.

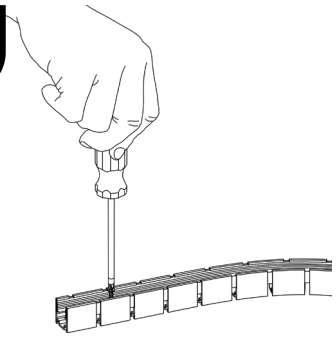
PC Profile: AC167-CSGP

Step1



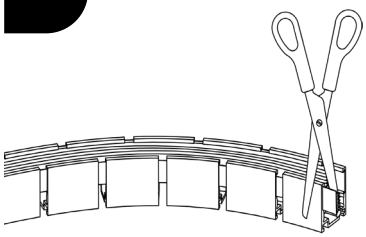
Preparation: Gather all tools and materials.

Step2



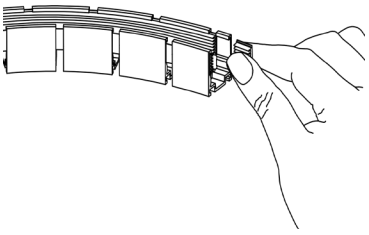
Select the curved installation surface. Bend the profile to fit tightly against the surface and secure it with screws.

Step3



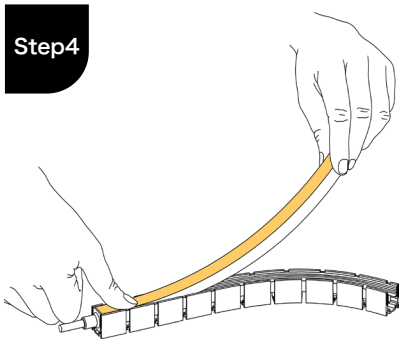
After bending the profile, trim off the excess silicone tape on the inside

Step3



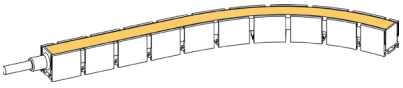
Insert the cut silicone tape into the missing section on the outside

Step4

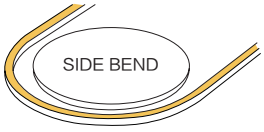


Use your thumb to first fix the starting end of the strip (with wires).
Then use your palm to gradually press the Neon strip into the profile.

Step5



Ensure that the strip is parallel to the profile and installed smoothly in place (as shown in the figure)

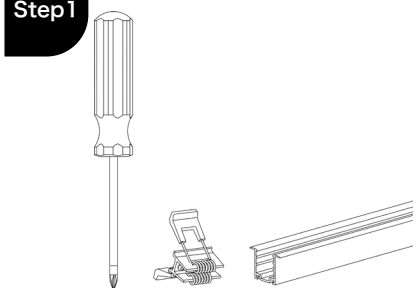


The minimum bending diameter of **AC167-CSGP** is 600mm for side bending.

1.The profiles are shipped without holes or screws by default;
2.Please pay attention to the bending direction and minimum bending diameter when installing the Neon strip;
3.Please have at least two people cooperate during the installation of the Neon strip, one person installing the Neon strip and one person supporting the Neon strip to prevent excessive distortion;
4.Please pay attention to the bending direction and minimum bending diameter when installing bendable profiles;
5.When removing the Neon strip from the profile, please use screws to slowly lift the Neon strip from the bottom ofthe profile

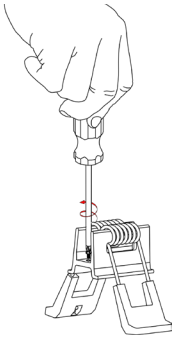
Angle Mounting Bracket: AC167-SET-LC

Step1



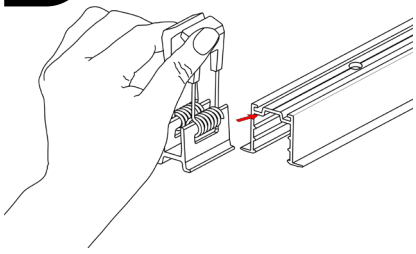
Preparation: Gather all tools and materials.

Step2



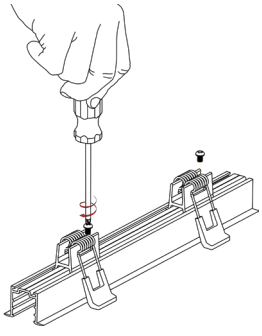
Remove the screw from the clip.

Step3



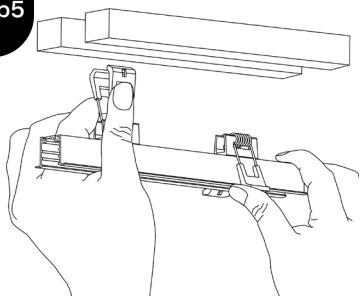
Grip the spring clip and slide into the profile.

Step4



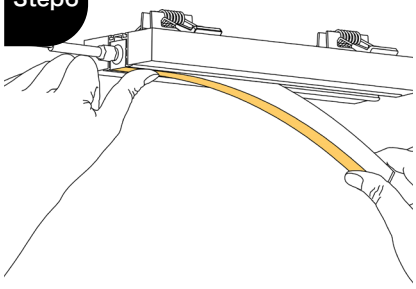
Lock the clip tightly.

Step5



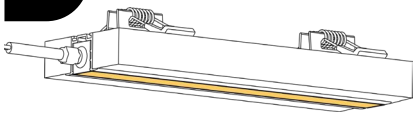
Grip the spring clip and insert the profile into the slot.

Step6



Use your thumb to first fix the starting end of the strip (with wires).
Then use your palm to gradually press the Neon strip into the profile.

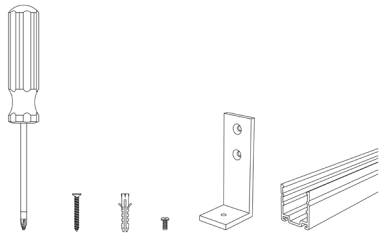
Step7



Ensure that the strip is parallel to the profile and installed smoothly in place (as shown in the figure).

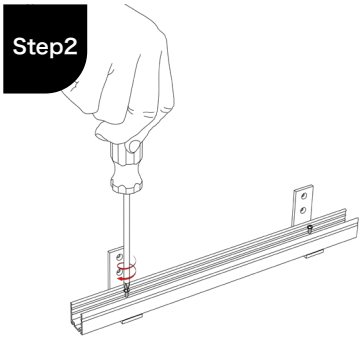
AL Shape Mounting Bracket: AC167-SET-LA

Step1



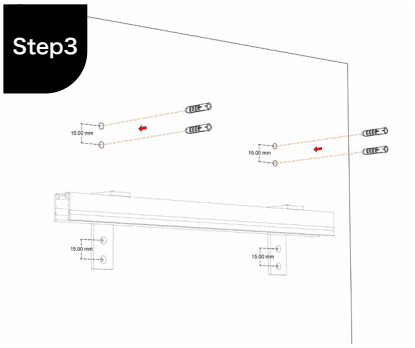
Preparation: Gather all tools and materials.

Step2



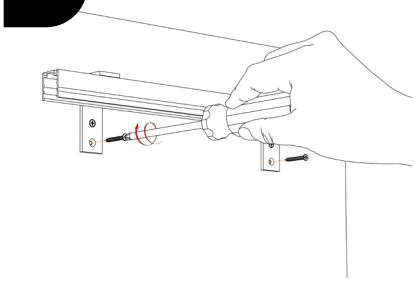
Drill holes in the profile and place it on the short side of the L-shaped bracket. Thread small screws through the holes in the profile and the short side of the L-shaped bracket, tighten them, and ensure they are firmly connected.

Step3



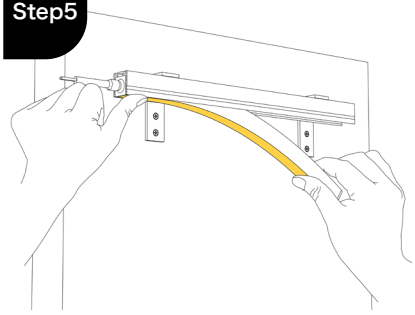
Drill holes on the surface to be installed according to the size of the screws. The distance between the centers of the two screw holes is around 15mm.

Step4



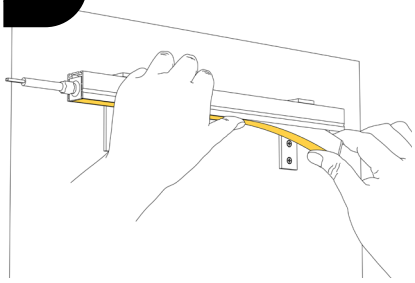
Pick up the fixed profile and bracket, align the two holes on the long side of the L-shaped bracket with the pre drilled holes, and then lock them with long screws.
(Note: first screw in thescrews from one left and one right, andthen screw in the second screw from one left and one right).

Step5



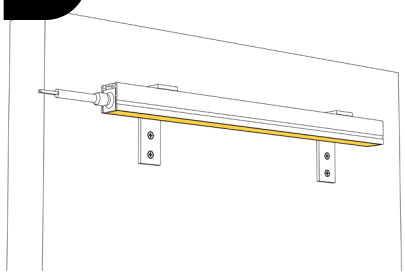
Use your thumb to first fix the starting end of the strip (with wires).

Step6



Then gradually press the Neon strip into the profile.

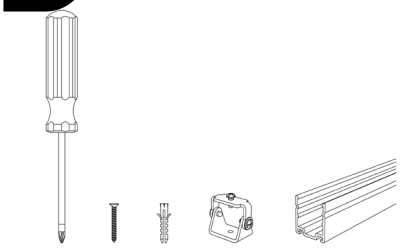
Step7



Ensure that the strip is parallel to the profile and installed smoothly in place (as shown in the figure).

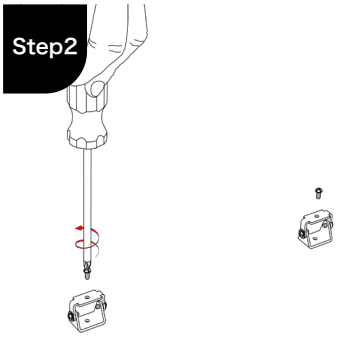
Angle Mounting Bracket: AC167-AMB

Step1



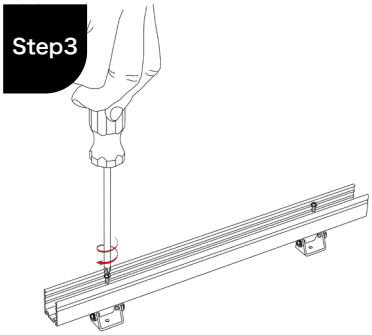
Preparation: Gather all tools and materials.

Step2



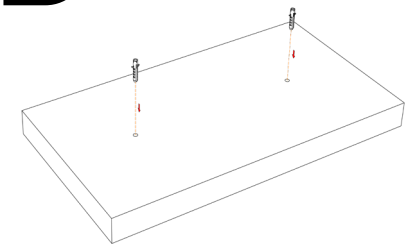
Unscrew all the screws on the rotating bracket.

Step3



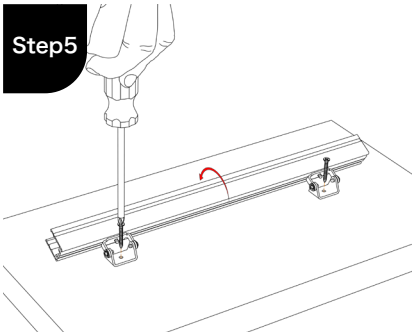
Thread the screws removed from the rotating bracket through the corresponding holes on the profile, tighten them, and ensure that they are securely connected to the rotating bracket.

Step4



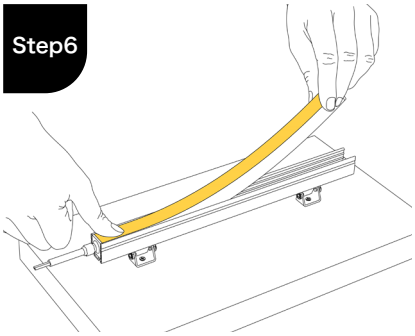
Drill holes on the surface to be installed according to the size of the screws.

Step5



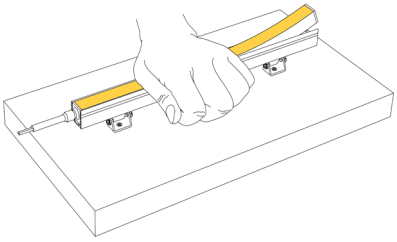
Fix the rotating bracket onto the installation surface with screws.

Step6



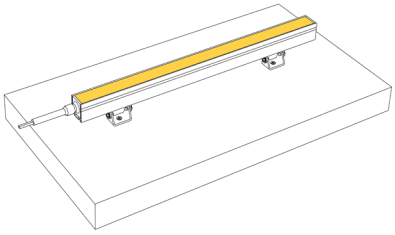
Use your thumb to first fix the starting end of the strip (with wires).

Step7



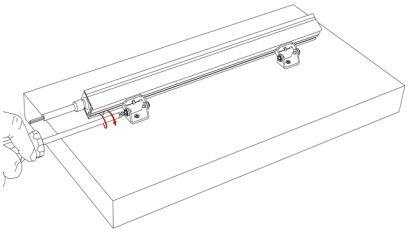
Use your palm to gradually press the Neon strip into the profile.

Step8



Ensure that the strip is parallel to the profile and installed smoothly in place (as shown in the figure).

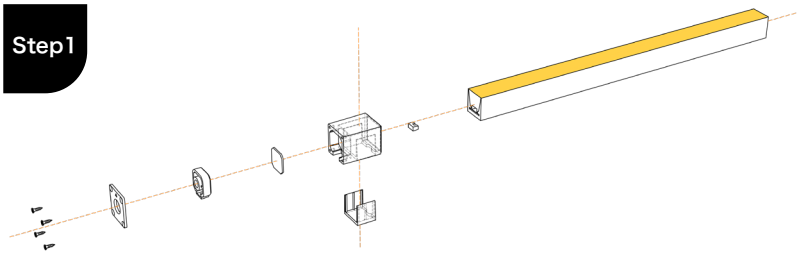
Step9



Rotate the rotating bracket to the desired angle,and then use a screwdriver to tighten the screws on the side of the rotating bracket to fix the angle.

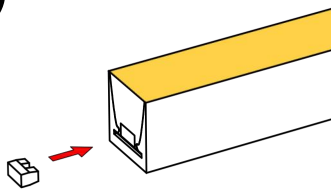
DIY Closed end cap: 1617T-WS

Step1



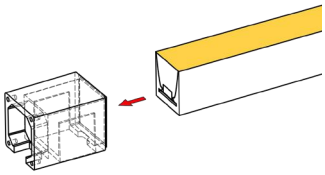
Preparation: Gather all tools and materials(Neon - after cutting).

Step2



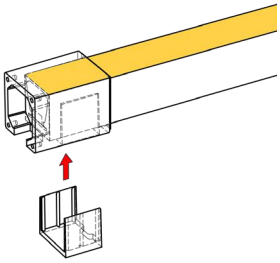
Insert the transparent U-shaped plug into the gap between the FPC board and the LED (angled towards the FPC board surface).

Step3



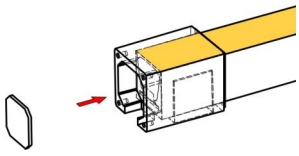
Insert the Neon strip into the PC casing and push the neon strip to the bottom of the PC casing (with the notch facing towards the back of the luminous surface).

Step4



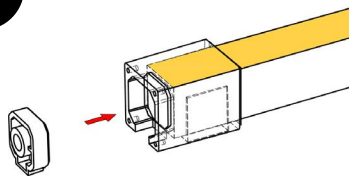
Insert the U-shaped buckle into the corresponding position (as shown in the figure) to secure the Neon strip.

Step5



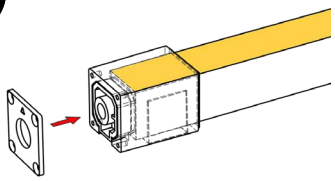
Place the silicone gasket into the PC casing.

Step6



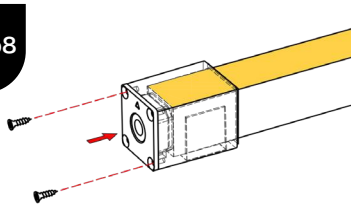
Place the transparent endcap into the PC casing.

Step7



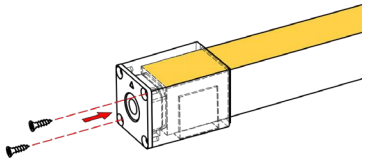
Place the stainless steel cover parallel to the horizontal surface of the transparent tailgate cover (with the triangle outside and point towards the light-emitting surface)

Step8



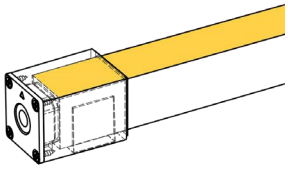
Tighten a set of diagonal screws first

Step9



Then tighten another set of diagonal screws.

Step10

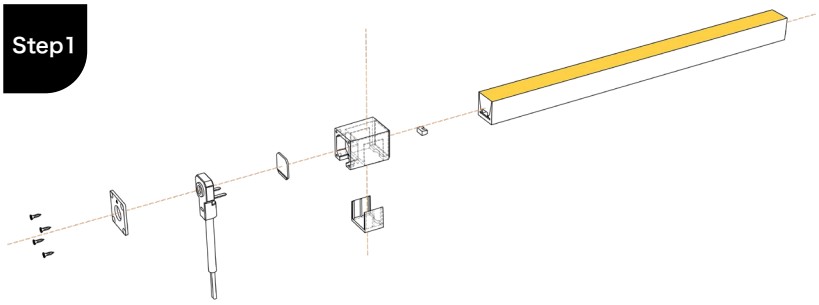


Ensure that the stainless steel cover is installed in place as shown in the diagram.

Only for LEDLINE ACE 1617T (Top Bend) and AXE 1617 SL

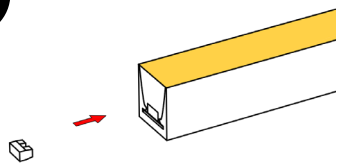
DIY End Cap: 1617T-WS-C-2P-B/L-30

Step1



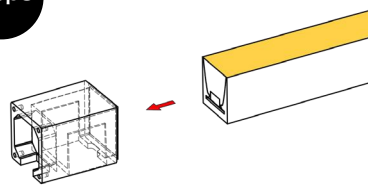
Preparation: Gather all tools and materials(Neon - after cutting).

Step2



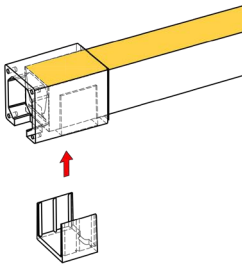
Insert the transparent U-shaped plug into the gap between the FPC board and the LED (angled towards the FPC board surface).

Step3



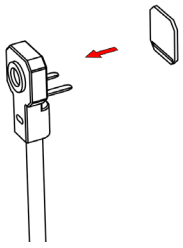
Insert the Neon strip into the PC casing and push the neon strip to the bottom of the PC casing (with the notch facing towards the back of the luminous surface).

Step4



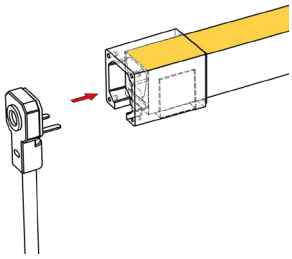
Insert the U-shaped buckle into the corresponding position (as shown in the figure) to secure the Neon strip.

Step5



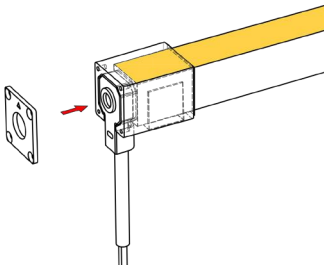
Insert the non porous silicone gasket into the terminal wire.

Step6



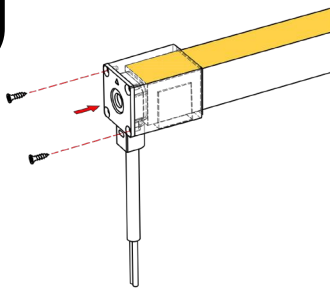
Insert the copper sheet on the terminal wire into the back of the FPC board with your thumb (between the copper strip/anti breakage piece and the FPC B). Then use the wire of this side to connect a DC24V power supply for lighting testing. (Remember not to directly connect the Neon strip to the mains AC110V/AC220V to light it up)

Step7



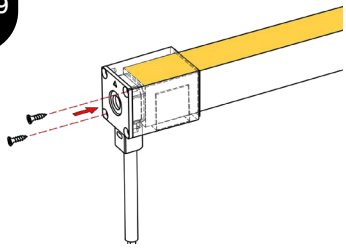
Place the stainless steel cover parallel to the horizontal surface of the transparent tailgate cover (with the triangle outside and point towards the light-emitting surface).

Step8



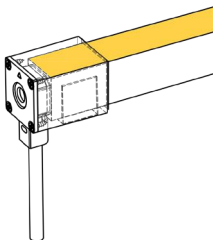
Tighten a set of diagonal screws first.

Step9



Then tighten another set of diagonal screws.

Step10

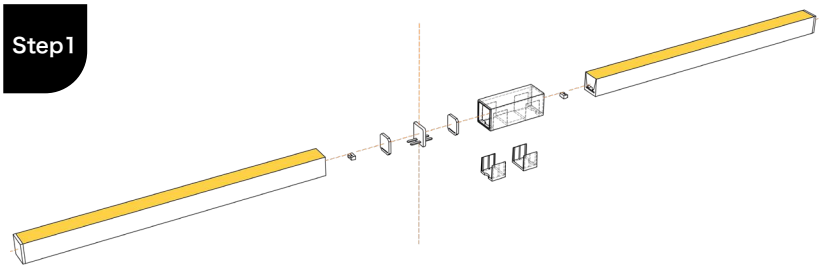


Ensure that the stainless steel cover is installed in place as shown in the diagram.

Only for LEDLINE ACE 1617T (Top Bend) and AXE 1617 SL

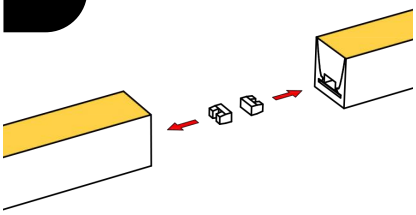
Strip-to-Strip Connector: 1617T-NS-J-2P

Step1



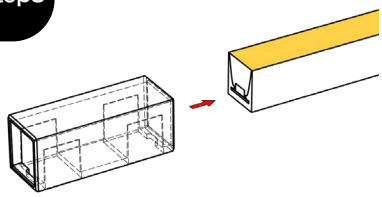
Preparation: Gather all tools and materials(Neon - after cutting).

Step2



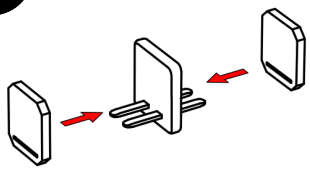
Insert the transparent U-shaped plug into the gap between the two ends of the FPC board and the LED (angled towards the FPC board surface).

Step3



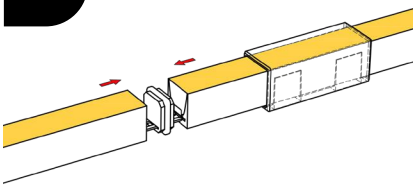
Put the PC shell on either end of the Neon strip (with the notch of the shell facing the back of the light-emitting surface of the Neon strip).

Step4



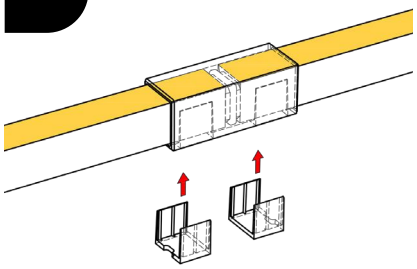
Insert perforated silicone gaskets into the middle connecting terminal from both ends.

Step5



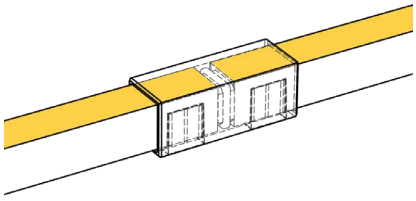
Insert the middle connecting terminals into the back of the FPC board of both ends of the Neon strip (between the copper strip/anti breakage piece and FPCB).

Step6



Push the shell to the center position of the middle connection terminal.

Step7

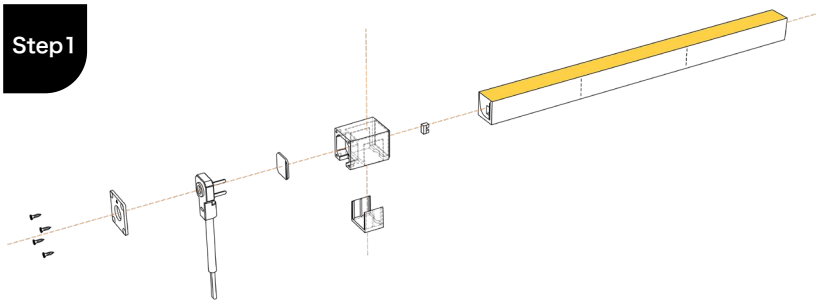


Tighten the Neon strip and insert the U-shaped buckles on the left and rightsides into the corresponding positions(as shown in the figure) to fix the Neon strip.

Only for LEDLINE ACE 1617T (Top Bend) and AXE 1617 SL

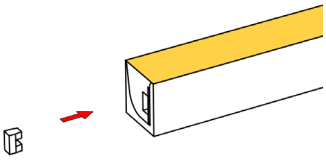
DIY End Cap: 1617S-WS-C-2P-B/L-30

Step1



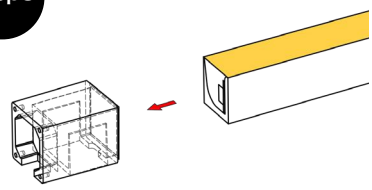
Preparation: Gather all tools and materials(Neon - after cutting).

Step2



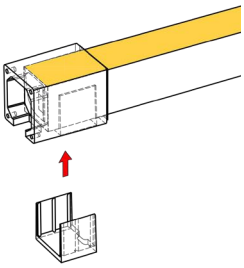
Insert the transparent U-shaped plug into the gap between the FPC board and the LED (angled towards the FPC board surface).

Step3



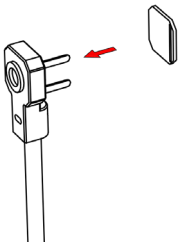
Insert the Neon strip into the PC casing and push the neon strip to the bottom of the PC casing (with the notch facing towards the back of the luminous surface).

Step4



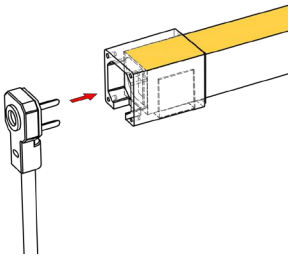
Insert the U-shaped buckle into the corresponding position (as shown in the figure) to secure the Neon strip.

Step5



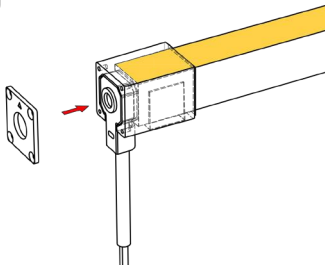
Insert the non porous silicone gasket into the terminal wire.

Step6



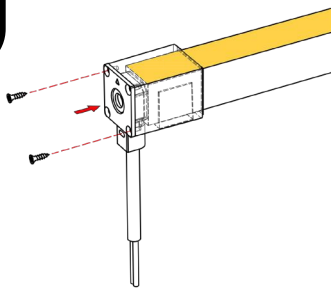
Insert the copper sheet on the terminal wire into the back of the FPC board with your thumb (between the copper strip/anti breakage piece and the FPC B). Then use the wire of this side to connect a DC24V power supply for lighting testing. (Remember not to directly connect the Neon strip to the mains AC110V/AC220V to light it up)

Step7



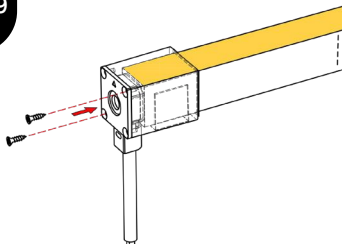
Place the stainless steel cover parallel to the horizontal surface of the transparent tailgate cover (with the triangle outside and point towards the light-emitting surface).

Step8



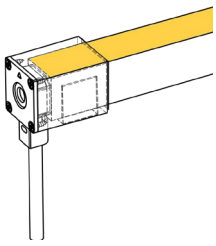
Tighten a set of diagonal screws first.

Step9



Then tighten another set of diagonal screws.

Step10

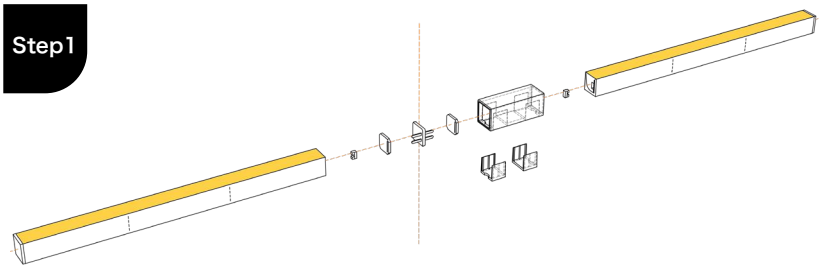


Ensure that the stainless steel cover is installed in place as shown in the diagram.

Only for LEDLINE ACE 1617S (Side Bend)

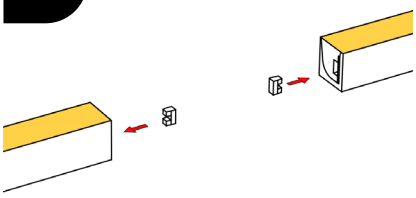
Strip-to-Strip Connector: 1617S-NS-J-2P

Step1



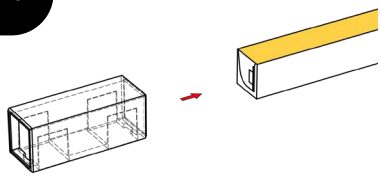
Preparation: Gather all tools and materials(Neon - after cutting).

Step2



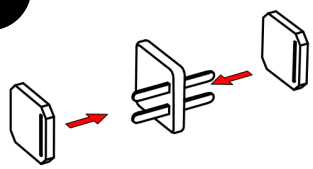
Insert the transparent U-shaped plug into the gap between the two ends of the FPC board and the LED (angled towards the FPC board surface).

Step3



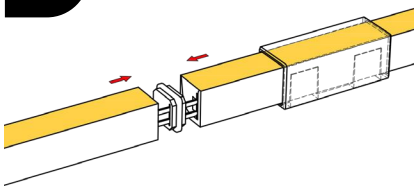
Put the PC shell on either end of the Neon strip (with the notch of the shell facing the back of the light-emitting surface of the Neon strip).

Step4



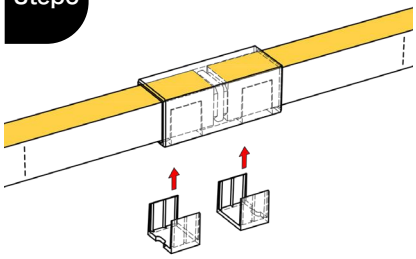
Insert perforated silicone gaskets into the middle connecting terminal from both ends.

Step5



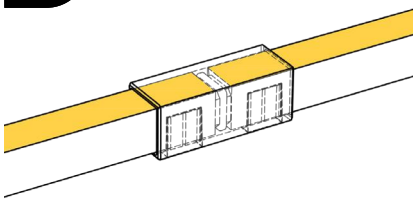
Insert the middle connecting terminals into the back of the FPC board of both ends of the Neon strip (between the copper strip/anti breakage piece and FPCB).

Step6



Push the shell to the center position of the middle connection terminal.

Step7

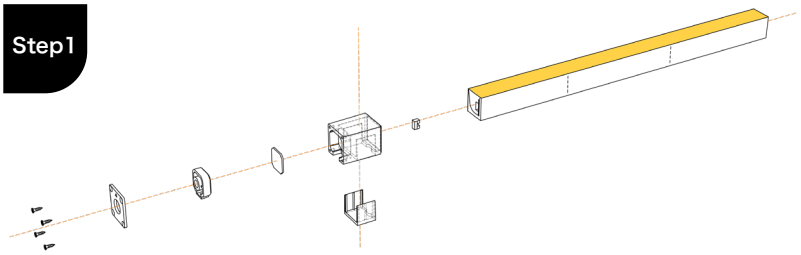


Tighten the Neon strip and insert the U-shaped buckles on the left and rightsides into the corresponding positions(as shown in the figure) to fix the Neon strip.

Only for LEDLINE ACE 1617S (Side Bend)

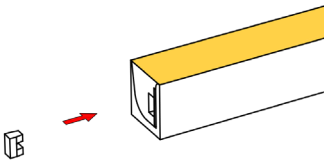
DIY Closed end cap: 1617S-WS

Step1



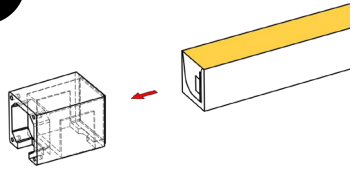
Preparation: Gather all tools and materials(Neon - after cutting).

Step2



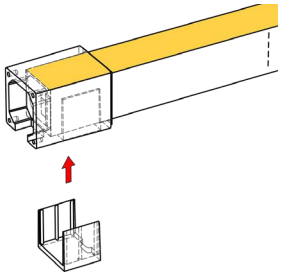
Insert the transparent U-shaped plug into the gap between the FPC board and the LED (angled towards the FPC board surface).

Step3



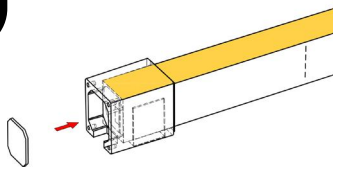
Insert the Neon strip into the PC casing and push the neon strip to the bottom of the PC casing (with the notch facing towards the back of the luminous surface).

Step4



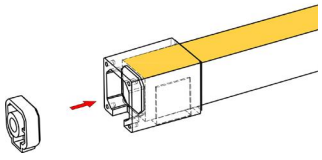
Insert the U-shaped buckle into the corresponding position (as shown in the figure) to secure the Neon strip.

Step5



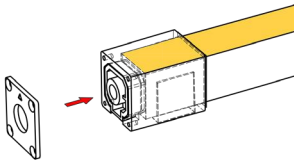
Place the silicone gasket into the PC casing.

Step6



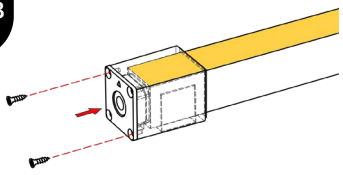
Place the transparent endcap into the PC casing.

Step7



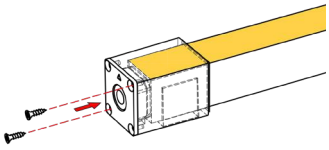
Place the stainless steel cover parallel to the horizontal surface of the transparent tailgate cover (with the triangle outside and point towards the light-emitting surface)

Step8



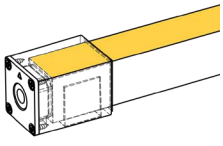
Tighten a set of diagonal screws first

Step9



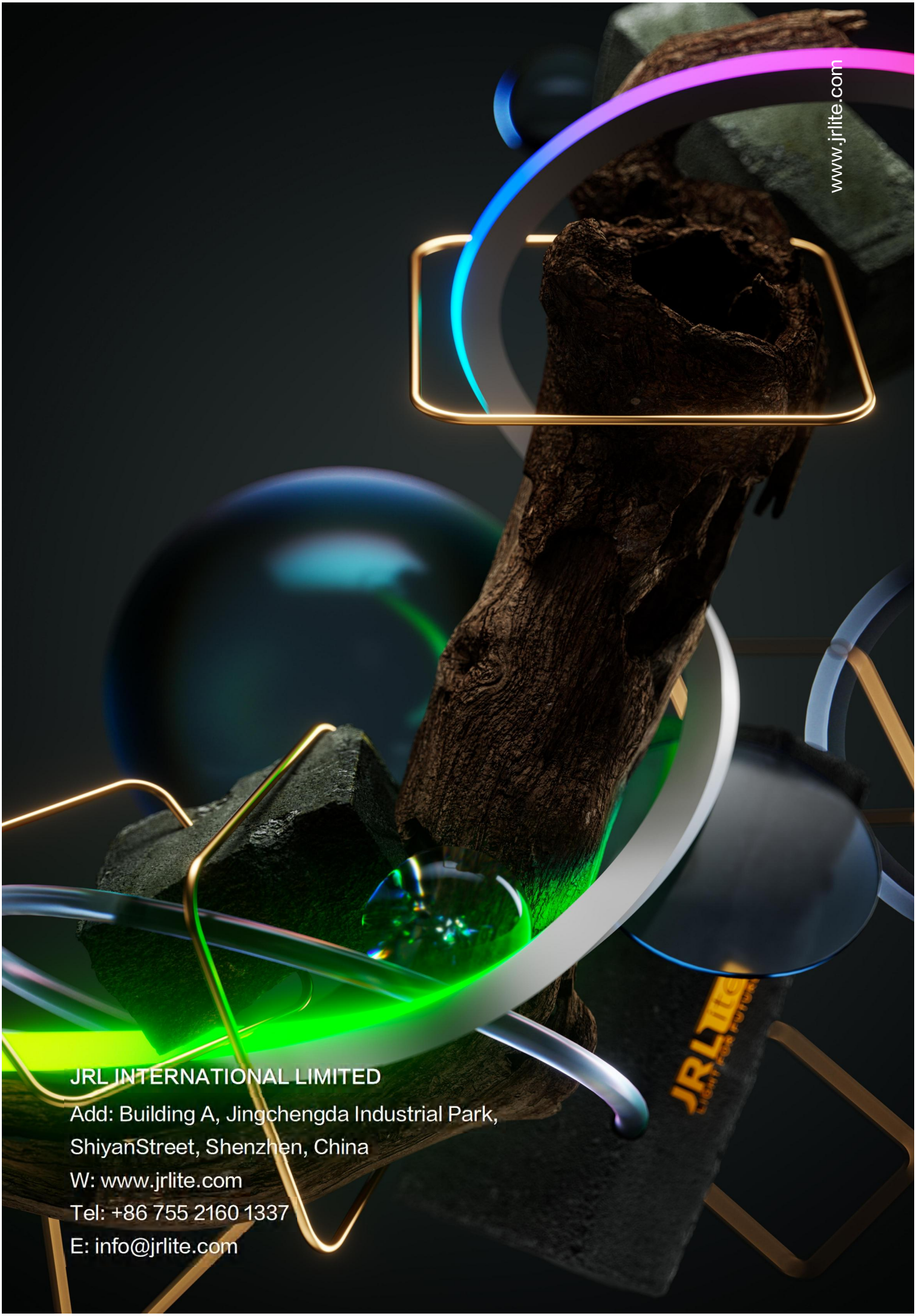
Then tighten another set of diagonal screws.

Step10



Ensure that the stainless steel cover is installed in place as shown in the diagram.

Only for LEDLINE ACE 1617S (Side Bend)



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