HELIAN

Free bending flexible silicone wall washer light

Model: HL–WL2620P–24V

Specialized LED strip Manufacturer

Product features

– Using optical grade environmental protection silicone material, salt resistance, acid and alkali corrosion resistance, flame retardant, UV resistance.

– The free bending structure design can perfectly fit the outdoor curved surface of various arcs to achieve the.

– effect of wall washing.

– Integrated extrusion molding process, waterproof grade up to IP65.

– Patented optical structure design, a variety of angles optional.

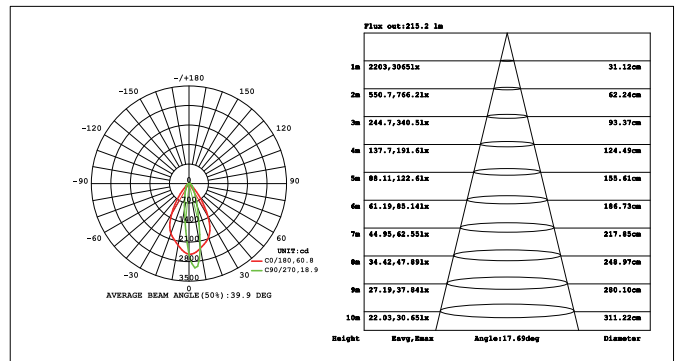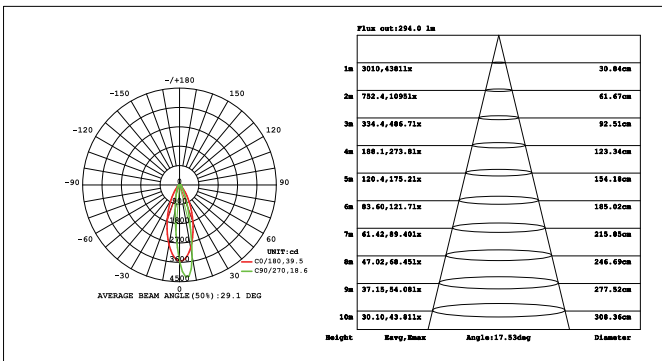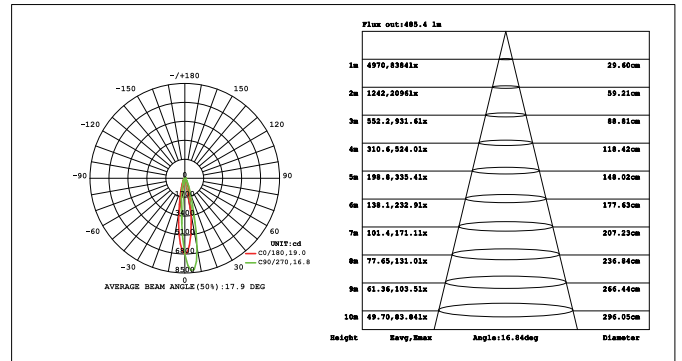– Hidden end cap design, easy to install.

Product Dimension

31.5   26.5   29   41.5   L   24   20.5

Bending Diameter

400mm   400mm
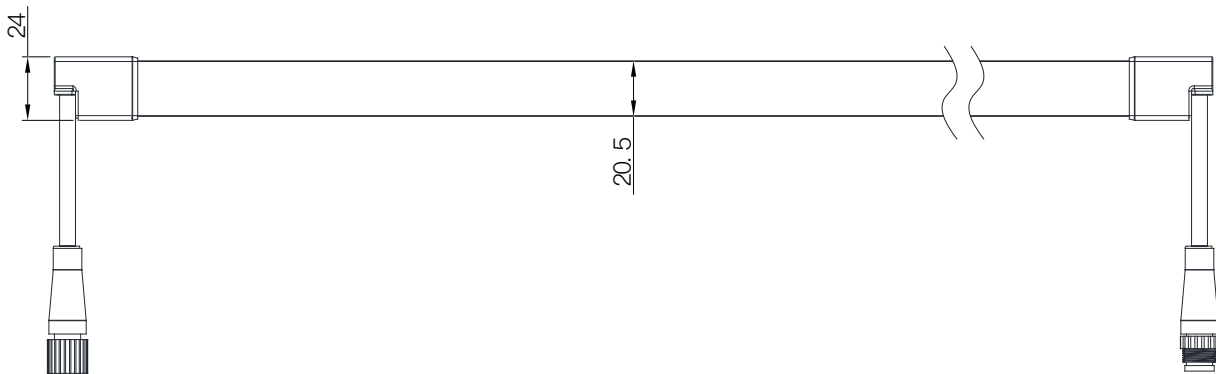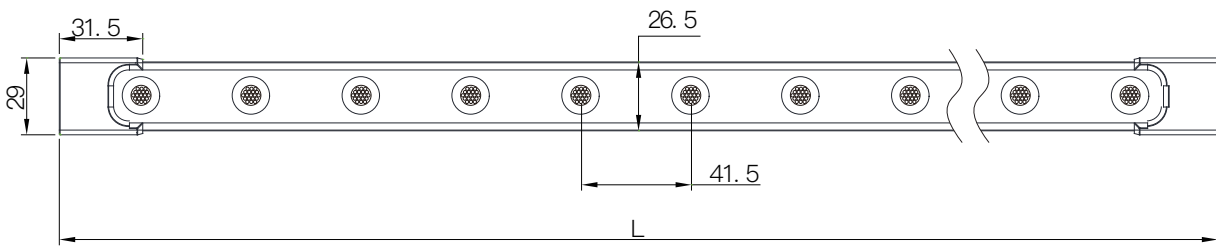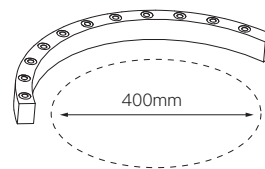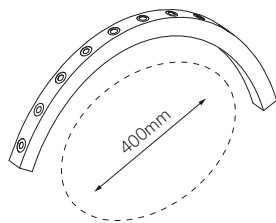
Basic Parameters

Input Voltage	24V		Working temperature	-25℃~+40℃
CRI	>80		Cuttable length	250mm
Beam angle (50%)	15°/30°/50°/20*35°/18*20°/20*55°		Waterproof level	IP65
LEDs / M	24LEDs		Max.run length	5m
Warranty period	3 years		Net weight	590g/m
Control mode	PWM			

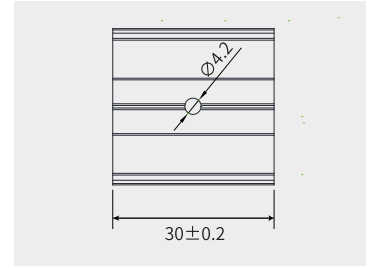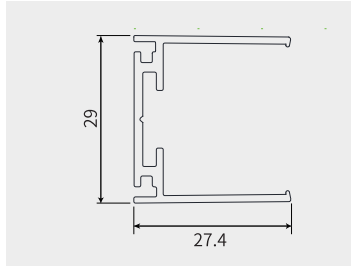| CCT		Power (W)	LEDs/m	CRI	IES lm/m	Efficiency lm/w
6500K $^{+300K}_{-500K}$		24	24PCS		1480	61.7
4000K±200K		24	24PCS		1545	64.4
3000K±200K		24	24PCS	80	1580	65.8
2700K±150K		24	24PCS		1525	63.5
RGB	R	6			150	25.0
	G	6			360	60.0
	B	6	24PCS	/	65	10.8
	RGB	18			515	28.6
2700K+6500K	2700K±150K	12		80	850	70.8
	6500K $^{+300K}_{-500K}$	12	24PCS	80	840	70.0
	2700K+6500K	24		/	1600	66.7
DMX512RGB	R	6			145	24.2
	G	6			360	60.0
	B	6	24PCS	/	65	10.8
	RGB	18			515	28.6
DMX512RGBW	R	4.5			140	31.2
	G	4.5			340	75.6
	B	4.5	24PCS	/	64	14.3
	W	4.5			380	84.5
	RGBW	18			850	47.3

Note:

1. Test ambient temperature is 25℃(±2℃);

2. Brightness deviation is ±10%;

3.The Angle of the test sample is 30°;
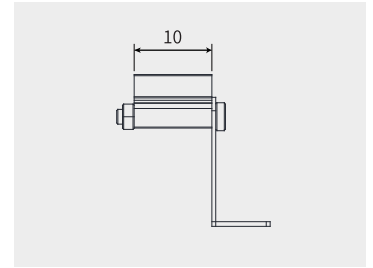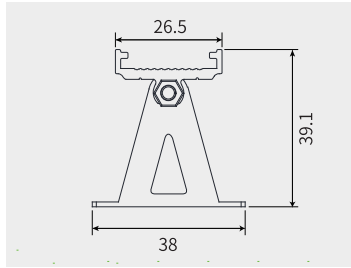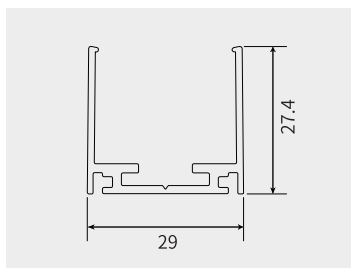
Light Distribution Curve

Diagram 1

Flux out:418.2 lm

Height	Eavg,Emax	Diameter
1m	6739,104851x	28.00cm
2m	1685,26211x	56.00cm
3m	740.8,11651x	84.01cm
4m	421.2,6551x	112.01cm
5m	269.6,419.41x	140.01cm
6m	187.2,291.21x	168.01cm
7m	137.5,214.01x	196.02cm
8m	105.3,163.61x	224.02cm
9m	83.20,129.41x	252.02cm
10m	67.39,104.01x	280.02cm

Angle:15.94deg

UNIT:cd
C0/180,17.4
C90/270,15.9
AVERAGE BEAM ANGLE(50%):16.7 DEG

Diagram 2

Flux out:592.9 lm

Height	Eavg,Emax	Diameter
1m	2295,34441x	56.90cm
2m	573.9,861.01x	113.80cm
3m	255.1,382.71x	170.70cm
4m	143.5,215.21x	227.60cm
5m	91.82,137.81x	284.50cm
6m	63.76,95.661x	341.40cm
7m	46.85,70.281x	398.30cm
8m	35.87,53.011x	455.20cm
9m	28.34,42.521x	512.10cm
10m	22.95,34.441x	569.00cm

Angle:31.76deg

UNIT:cd
C0/180,35.1
C90/270,32.5
AVERAGE BEAM ANGLE(50%):33.8 DEG

Diagram 3

Flux out:836.1 lm

Height	Eavg,Emax	Diameter
1m	1119,18531x	93.92cm
2m	279.7,463.31x	187.85cm
3m	124.3,205.91x	281.77cm
4m	69.92,115.81x	375.70cm
5m	44.75,74.121x	469.62cm
6m	31.08,51.471x	563.55cm
7m	22.83,37.821x	657.47cm
8m	17.48,28.951x	751.40cm
9m	13.81,22.881x	845.32cm
10m	11.19,18.531x	939.25cm

Angle:50.31deg

UNIT:cd
C0/180,52.6
C90/270,51.0
AVERAGE BEAM ANGLE(50%):51.8 DEG

Diagram 4

Flux out:485.4 lm

Height	Eavg,Emax	Diameter
1m	4970,83841x	29.60cm
2m	1242,20961x	59.21cm
3m	552.2,931.61x	88.81cm
4m	310.6,524.01x	118.42cm
5m	198.8,335.41x	148.02cm
6m	138.1,232.91x	177.63cm
7m	101.4,171.11x	207.23cm
8m	77.65,131.01x	236.84cm
9m	61.36,103.51x	266.44cm
10m	49.70,83.841x	296.05cm

Angle:16.84deg

UNIT:cd
C0/180,19.0
C90/270,16.8
AVERAGE BEAM ANGLE(50%):17.9 DEG

Diagram 5

Flux out:294.0 lm

Height	Eavg,Emax	Diameter
1m	3010,43811x	30.84cm
2m	752.4,10951x	61.67cm
3m	334.4,486.71x	92.51cm
4m	188.1,273.81x	123.34cm
5m	120.4,175.21x	154.18cm
6m	83.60,121.71x	185.02cm
7m	61.42,89.401x	215.85cm
8m	47.02,68.451x	246.69cm
9m	37.15,54.081x	277.52cm
10m	30.10,43.811x	308.36cm

Angle:17.53deg

UNIT:cd
C0/180,39.5
C90/270,18.6
AVERAGE BEAM ANGLE(50%):29.1 DEG

Diagram 6

Flux out:215.2 lm

Height	Eavg,Emax	Diameter
1m	2203,30651x	31.12cm
2m	550.7,766.21x	62.24cm
3m	244.7,340.51x	93.37cm
4m	137.7,191.61x	124.49cm
5m	88.11,122.61x	155.61cm
6m	61.19,85.141x	186.73cm
7m	44.95,62.551x	217.85cm
8m	34.42,47.891x	248.97cm
9m	27.19,37.841x	280.10cm
10m	22.03,30.651x	311.22cm

Angle:17.69deg

UNIT:cd
C0/180,60.8
C90/270,18.9
AVERAGE BEAM ANGLE(50%):39.9 DEG

Accessories

Aluminum Clip

Adjustable Angle Clip
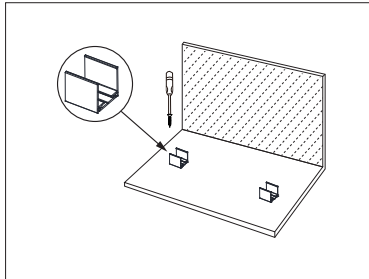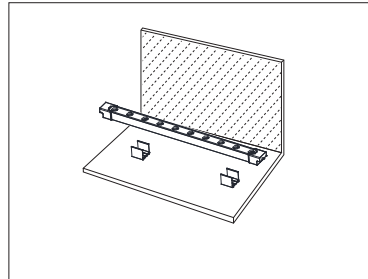(use with aluminum clips or profile)

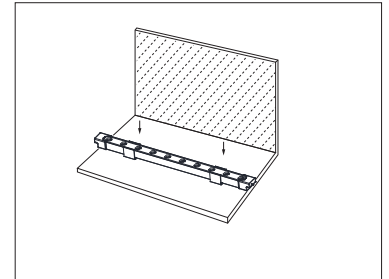### Aluminum Profile

Installation Diagram

Installation with Aluminum Clip

Fix the aluminum clips to the mounting surface with the screwdriver.
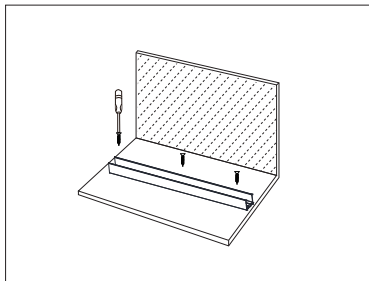
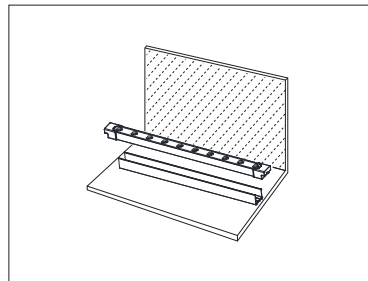Clamp the wall washer light on the aluminum clips;
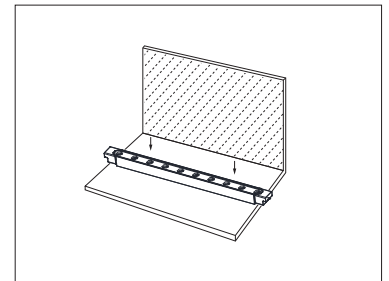
Turn on the power.

Installation with Aluminum Profile

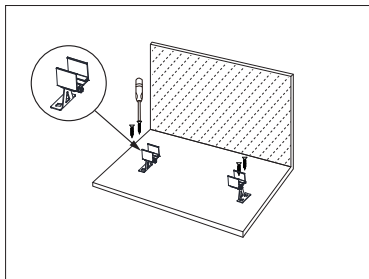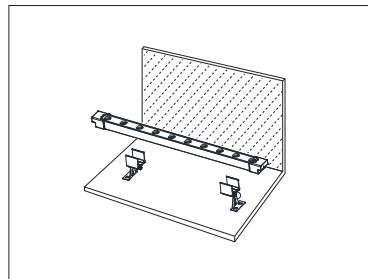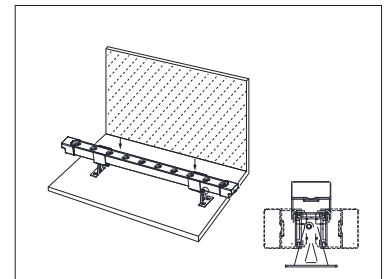Fix the aluminum profile to the mounting surface with the screwdriver.

Clamp the wall washer light on the aluminum profile;

Turn on the power.

Installation with Adjustable Angle Clip + Aluminum Clip

Fix the adjustable angle clips to the mounting surface with the screwdriver, then fix the aluminum clips onto the adjustable angle clips.

Clamp the wall washer light on the aluminum clips.

As shown in the schematic diagram in the right corner, adjust the clips to the required angle, and then turn on the power.
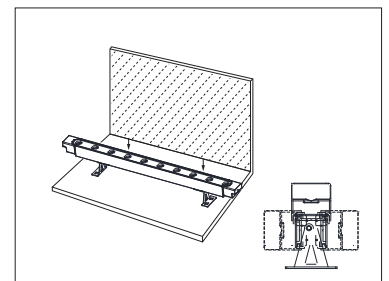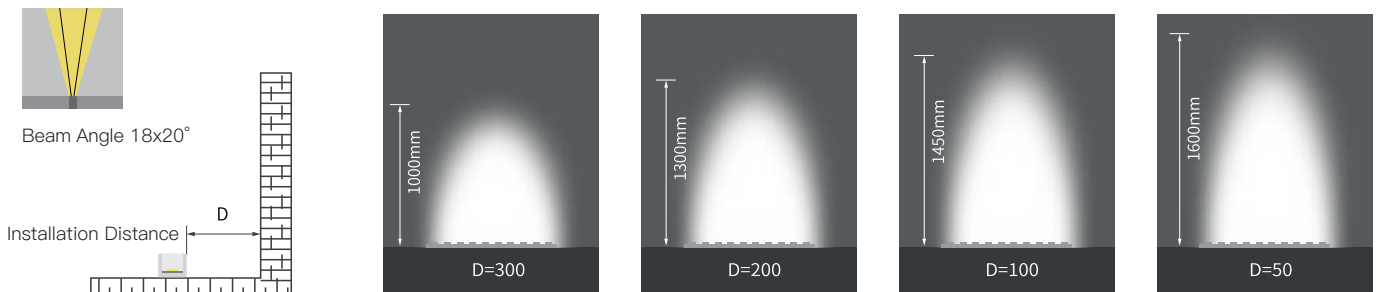
Installation with Adjustable Angle Clip + Aluminum Profile
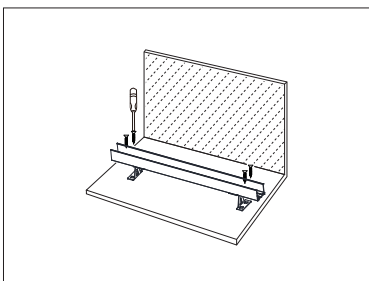
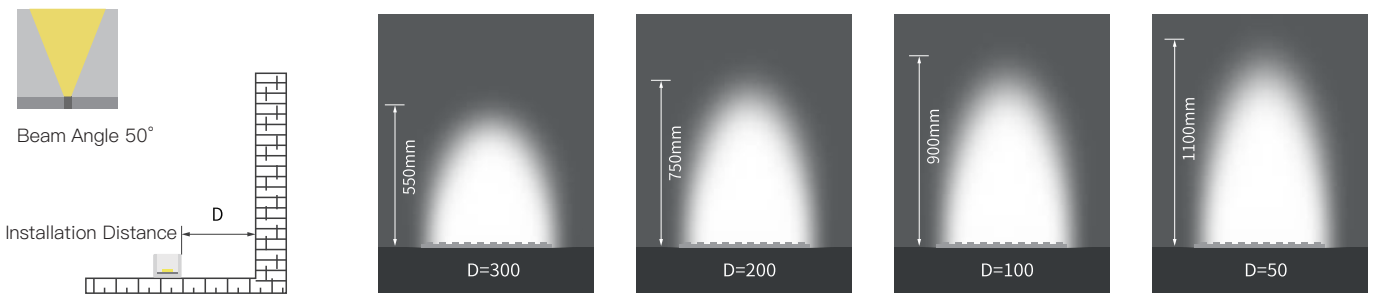Fix the adjustable angle clips to the mounting surface with the screwdriver, then fix the aluminum profile onto the adjustable angle clips.
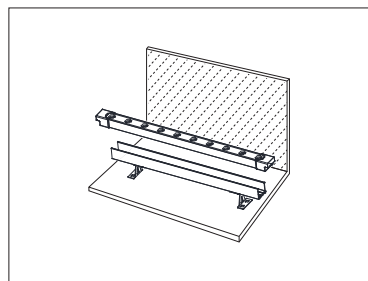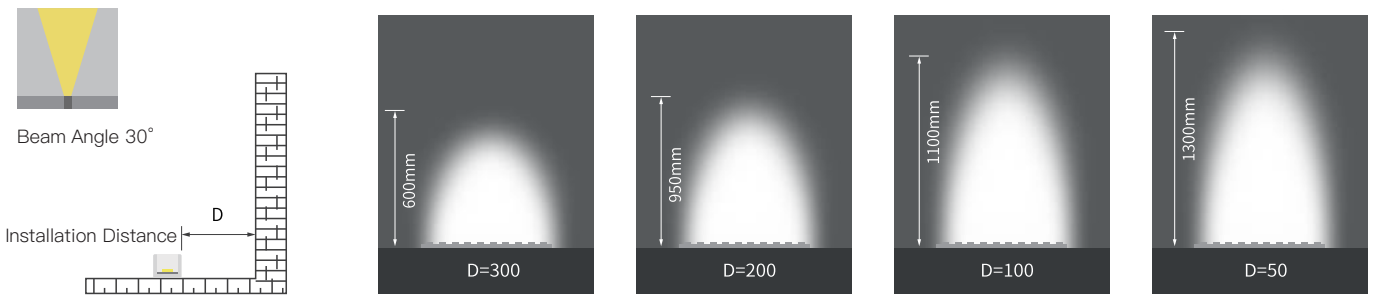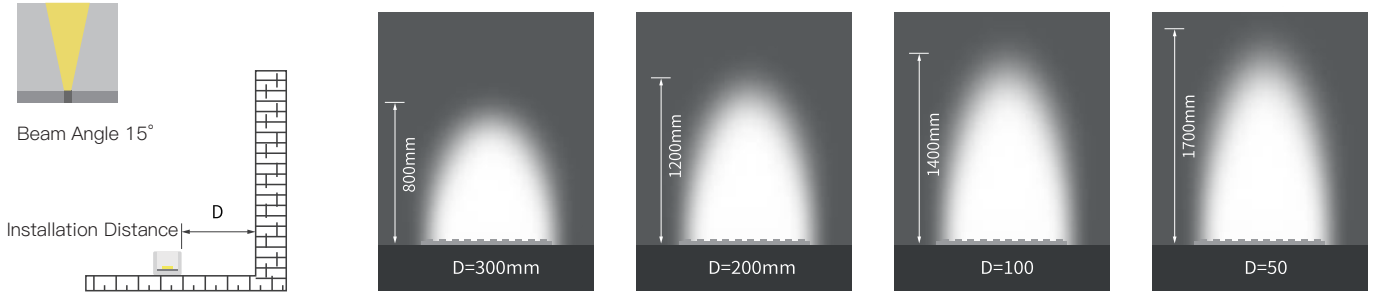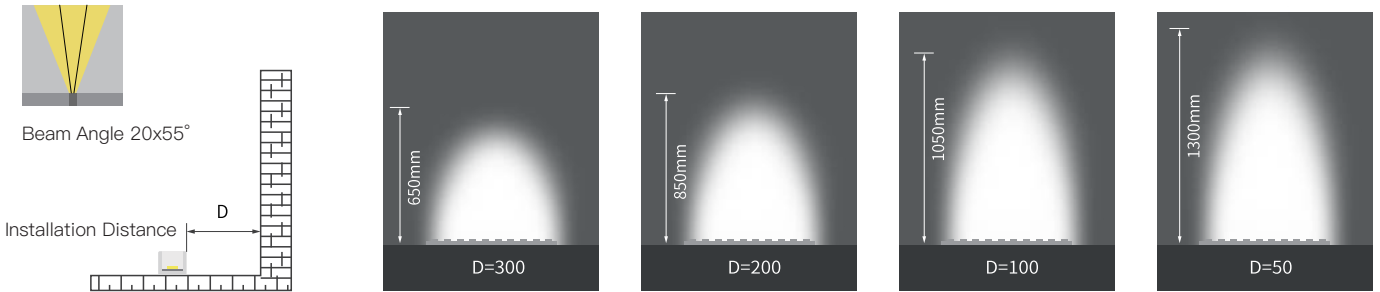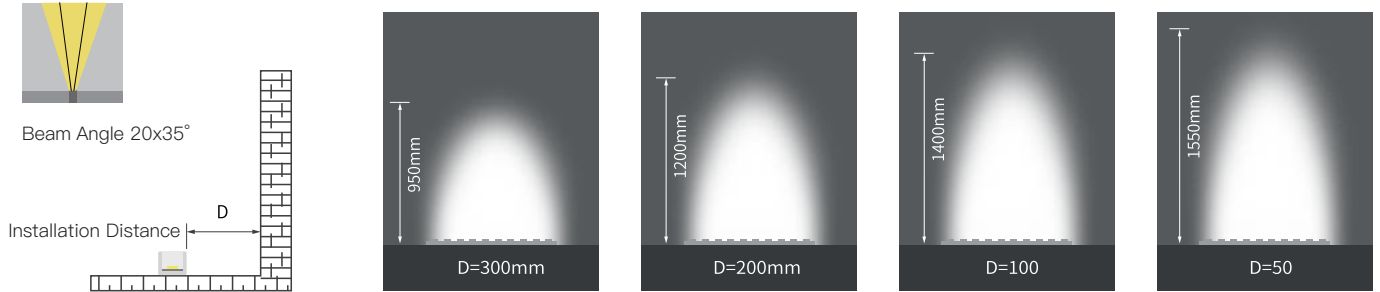
Clamp the wall washer light on the aluminum profile.

As shown in the schematic diagram in the right corner, adjust the aluminum profile to the required angle, and then turn on the power.
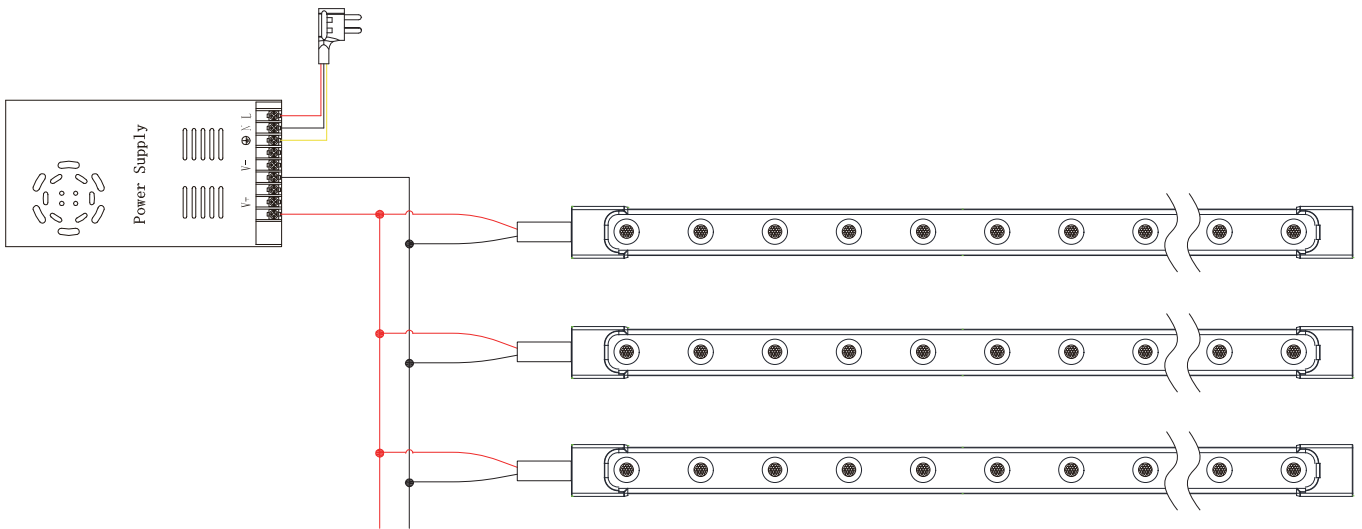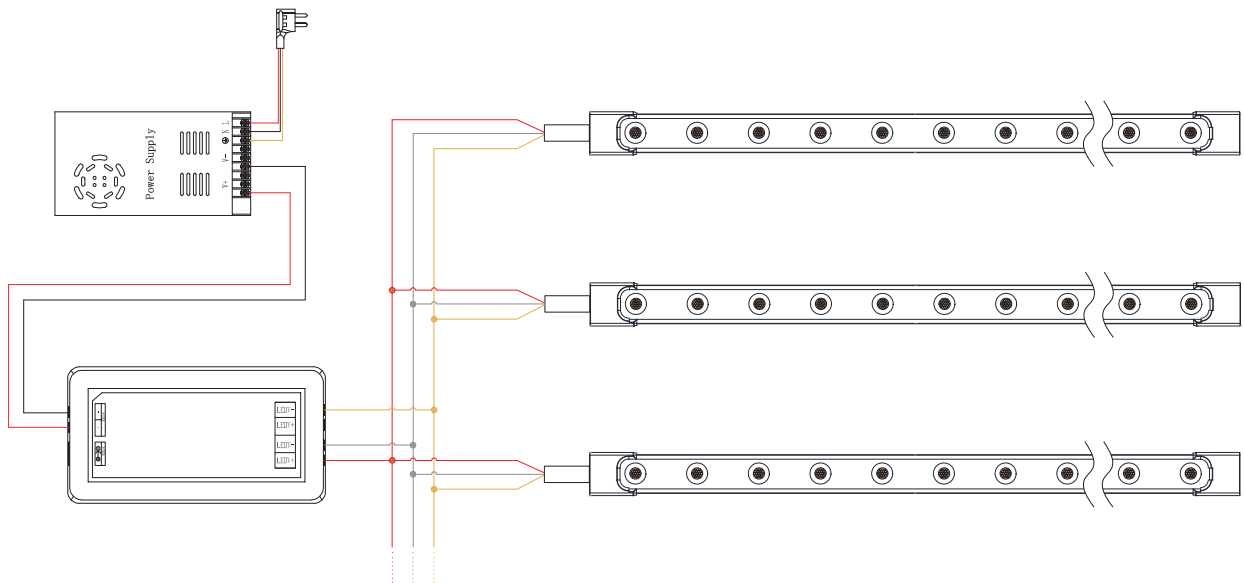
Installation Distance/Wall Washing Height

Beam Angle 15°

Installation Distance → D ←

800mm	1200mm	1400mm	1700mm
D=300mm	D=200mm	D=100	D=50

Beam Angle 30°

Installation Distance → D ←

600mm	950mm	1100mm	1300mm
D=300	D=200	D=100	D=50

Beam Angle 50°

Installation Distance → D ←

550mm	750mm	900mm	1100mm
D=300	D=200	D=100	D=50

Beam Angle 18x20°

Installation Distance → D ←

1000mm	1300mm	1450mm	1600mm
D=300	D=200	D=100	D=50

Installation Distance/Wall Washing Height

Beam Angle 20x35°

Installation Distance | D

| 950mm | 1200mm | 1400mm | 1550mm |
| D=300mm | D=200mm | D=100 | D=50 |

Beam Angle 20x55°

Installation Distance | D

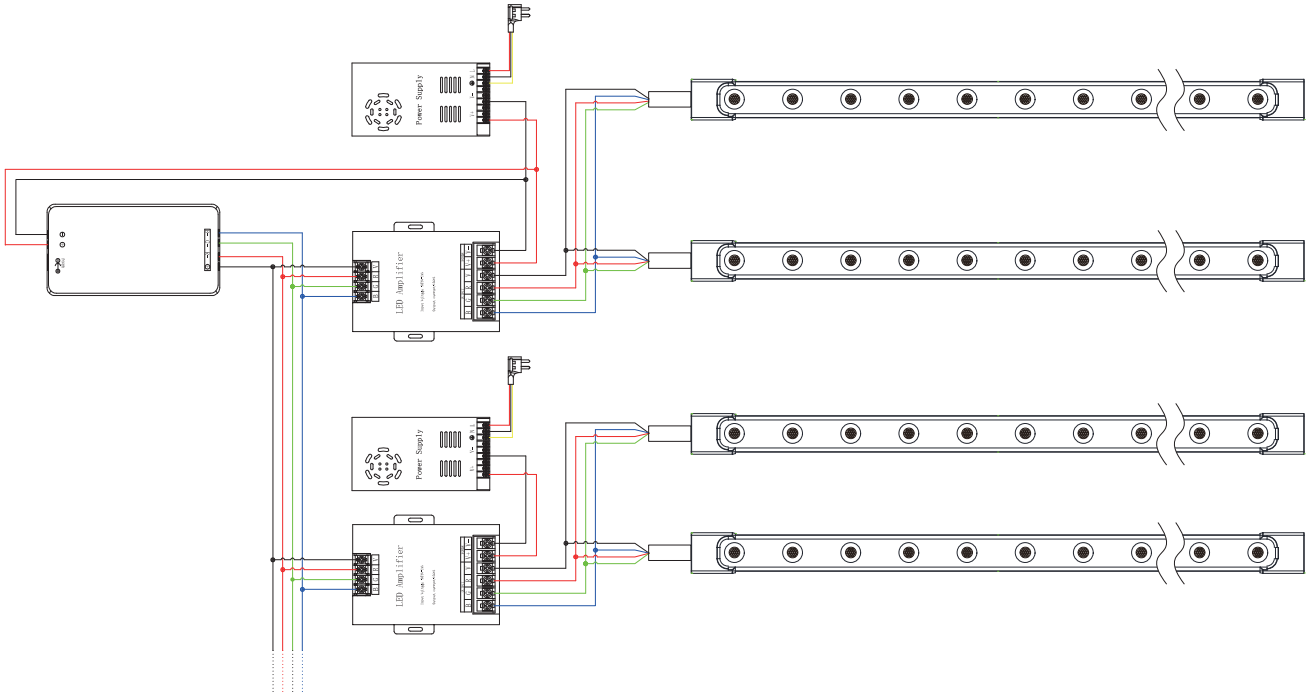| 650mm | 850mm | 1050mm | 1300mm |
| D=300 | D=200 | D=100 | D=50 |

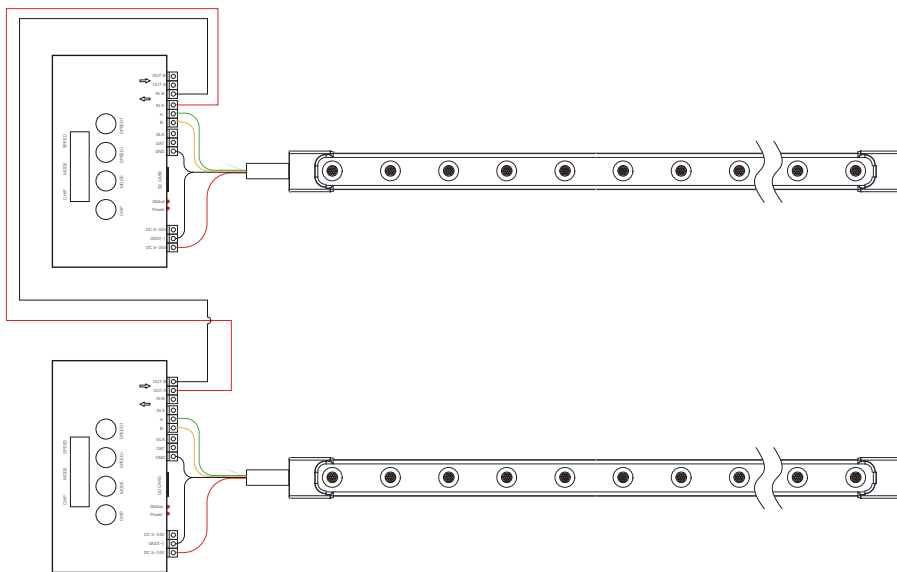## Single Color Connection Diagram

Tunable white Connection Diagram

RGB Connection Diagram

Digital RGB Connection Diagram

HELIAN

Specialized LED strip Manufacturer

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