

Features

- 1. 220V AC direct, eliminating the need and failure of DC driver
- 2. Self-designed 170° wide beam angle for uniform light.
- 3. IP67 suitable for outdoor use
- 4. Carton style, 6pcs each string for easy installation.
- 5. Four length for option, customization available.

Application

Back-lit Light box with depth above 8cm.

Installation

Fix by screws



Specification

Model No.	Light Color	Color Temperature (K)	Beam Angle	Luminous Flux(lm/pcs)	Efficacy (lm/W)	Ra	Voltage (V AC)	Power (W/pcs)
A4-FW-0303	W	9000-12000	170°	309	98.79	80+	220	3
A4-FW-0606				608	104.3			6
A4-FW-0909				906	104.1			9
A4-FW-1212				1188	105.0			12

Other Parameters

Model No.	LED Quantity (pcs/pc)	Product Size L*W*H(mm)	Standard Packing Quantity (pcs/strings)	Max Run (pcs)	Working Temperature	Storage Temperature
A4-FW-0303	3	285*46.6*16.6	6	24	-20~+60°C	-20~+70°C
A4-FW-0606	6	570*46.6*16.6				
A4-FW-0909	9	855*46.6*16.6				
A4-FW-1212	12	1150*46.6*16.6				

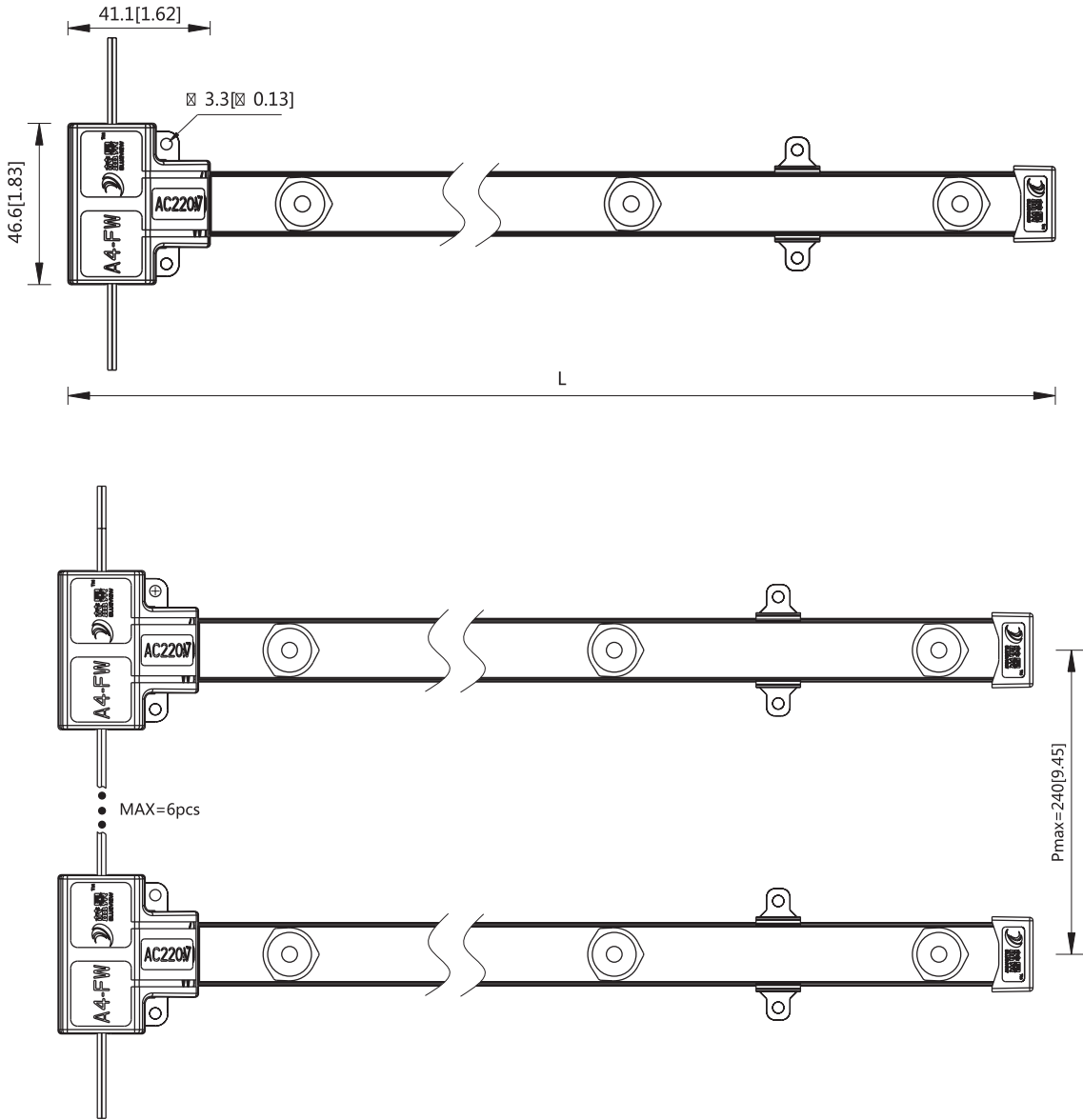
NOTE:

- 1.Test environment temperature : 25±2°C.
- 2.The above data is typical values. The actual data of each single product may differ from the typical values. The data is subject to change without notice.
- 3.Luminous flux is tested when lighting on with the single color at 9000-12000K.
- 4.Different color temperature will make luminous flux different.
- 5.Working voltage range from AC176V to AC264V
- 6.The luminous flux and Power tolerance within ±10%
- 7.The max run refers to the product number when it is applied, not equal to the standard packing quantity.

Profile Drawings

Unit:mm[inch]

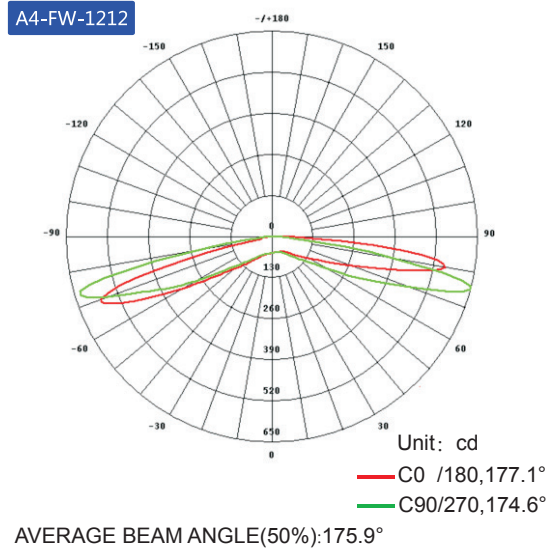
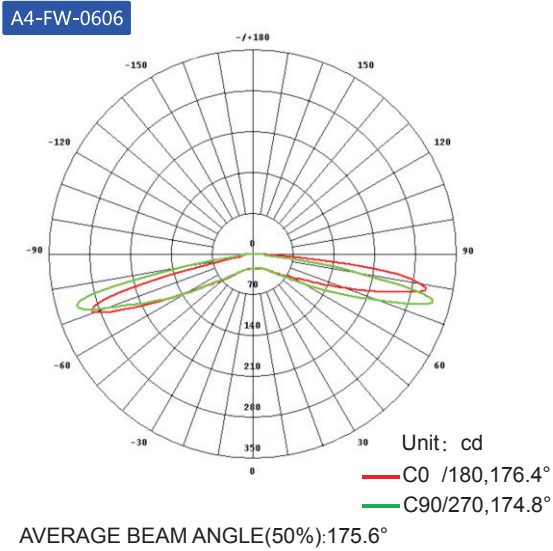




Note: For detailed drawing, please consult sales rep.



Luminous Intensity Distribution Diagram



Average Illumination

Flux Out: 647.6lm (CCT=12000K)

A4-FW-0606

Height	Eavg, Emax	Beam Angle: 174.29°	Diameter
2cm	628.5,64893lx		80.21cm
4cm	157.1,16223lx		160.41cm
6cm	69.83,7210lx		240.62cm
8cm	39.28,4056lx		320.83cm
10cm	25.14,2596lx		401.04cm
12cm	17.46,1803lx		481.24cm
14cm	12.83,1324lx		561.45cm
16cm	9.820,1014lx		641.66cm
18cm	7.759,801.1lx		721.87cm
20cm	6.285,648.9lx		802.07cm

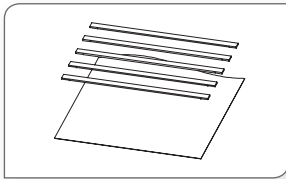
Flux Out: 1297lm (CCT=12000K)

A4-FW-1212

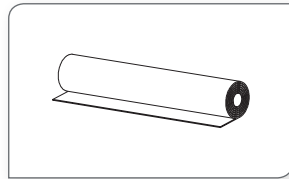
Height	Eavg, Emax	Beam Angle: 176.17°	Diameter
2cm	2835,134950lx		67.43cm
4cm	708.8,33738lx		134.85cm
6cm	315.0,14994lx		202.28cm
8cm	177.2,8434lx		269.71cm
10cm	113.4,5398lx		337.13cm
12cm	78.76,3749lx		404.56cm
14cm	57.86,2754lx		471.99cm
16cm	44.30,2109lx		539.41cm
18cm	35.00,1666lx		606.84cm
20cm	28.35,1350lx		674.26cm

NOTE: please contact the sales for other data.

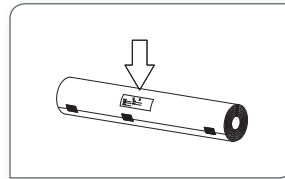
packing



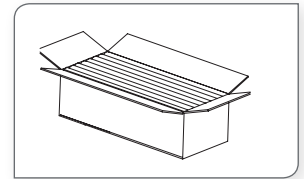
Put the product on the PE foam.



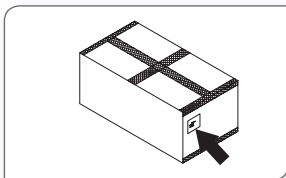
Wrap the product well.



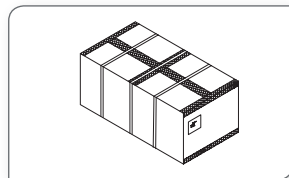
Seal and label the reel.



Put the products layer by layer into carton box.



Seal and label the box.



Use packing belt to pack. Add edge protectors if necessary.

Packaging information

Model No.	Product Size L*W*H(mm)	Carton Size(mm)	Total Qty(pcs)	Net Weight(kg)	Gross Weight(kg)
A4-FW-0303	285*46.6*16.6	430*210*240	60	5.2(1±10%)	5.8(1±10%)
A4-FW-0606	570*46.6*16.6	730*210*240	60	8.3(1±10%)	9.1(1±10%)
A4-FW-0909	855*46.6*16.6	1130*210*240	90	16.2(1±10%)	17.8(1±10%)
A4-FW-1212	1150*46.6*16.6	1330*210*240	90	20.1(1±10%)	21.9(1±10%)

Note:

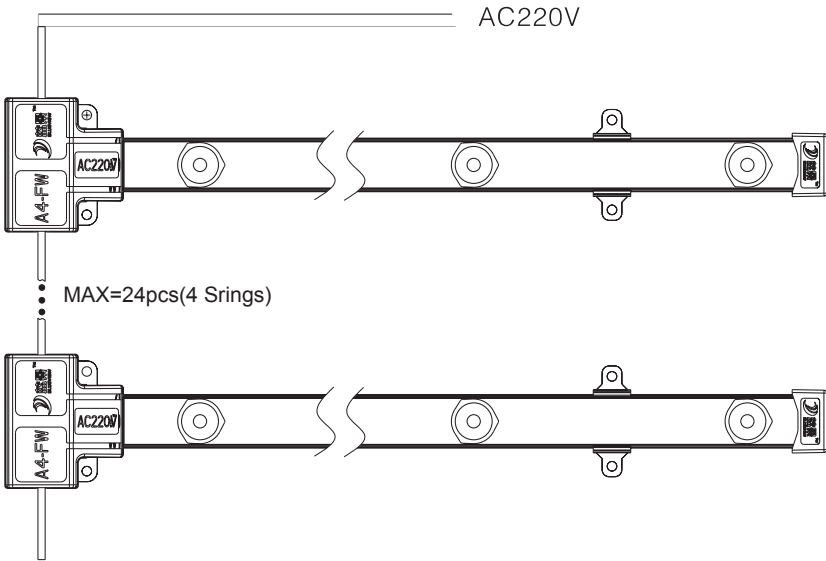
The products are separated layer by layer with white foam and packed in regular carton boxes;

The above quantity and weight are only for the illustrated packaging method. There will be differences in the quantity and weight with other packaging methods.



Installation

Connection Diagram



Installation Reference

Model No.	Lightbox Bottom	Surface Material	Depth(H) (cm)	Illumination (lux)	Density (pcs/m ²)	Bar Spacing (Y)cm	Power Density(W/m ²)	Visual effects
A4-FW-1212	White	White Soft Film	8	4050-4450	4	24	45.2	OK
			10	2980-3250	3	33	33.9	
			12	2950-3130	3	33	33.9	
			15	1580-1760	2	48	22.6	
			18	1380-1510	2	48	22.6	



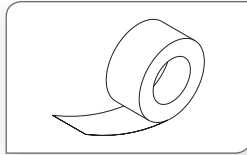
- Note:**
- 1.Spacing, see left;
 - 2.For the data of other depth,please consult sales rep.
 - 3.Please contact the sales for other data.



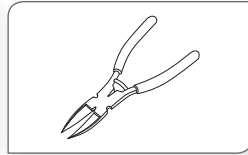
Accessories & Tools



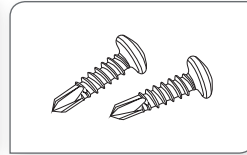
A4-FW



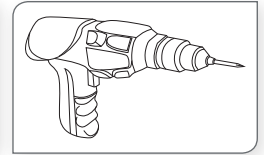
Insulation tape



Tools:Diagonal pliers

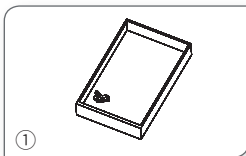


M3 Self-tapping screw

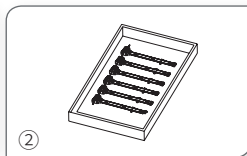


Electric drill

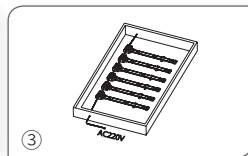
Installation steps



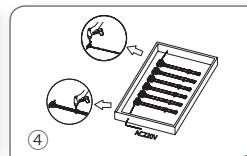
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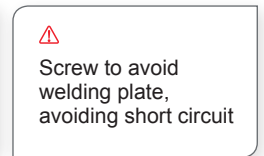
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③



④



Screw to avoid welding plate, avoiding short circuit

1. Clean the mounting surface.
2. Arrange the mounting space.
3. For bare wire connection, please use terminals.
4. Check and ensure correct installation, and fix the product with screws ,then power on for self-test.

Attentions before installation

1. Before installation, check that the product parameters are consistent with the requirements (Seeing product specifications or product labels)
2. When using our AC products, it need to be matched with our lightning protection products to prevent the impact and damage of the surge current on the products.
3. Load voltage, current, power and power supply should be matched with the product.
4. Follow the instructions of wiring diagram (first connect the load and then the power supply) to avoid short circuit.
5. Make sure the correct connection of positive and negative poles between products and power supply. Otherwise, the light will not be on.
6. Make sure the power cord firmly screwed into the terminal and it should not be pulled out by hands.
7. The terminal should have insulation,waterproof and anti-corrosive treatment.

Common Faults and Troubleshoot

Quick Guide		
Problems	Reasons	Solutions
All LEDs can not light on.	No electric supply.	Power on
LEDs can not light on partly	Some switching mode power supplies are not powered	Check the power supply system to fix it.
	Excessive quantities in series connection	Reduce the product quantities in series connection to meet requirement.
LED flicker	Connection point fault	Remove bad connection point
	Wrong Installation or use of products	Please follow the instructions



▲ Warning

Do not disassemble or retrofit the light. Do not touch the surface of the light with a sharp object.

Do not do live-line working during installation, especially for high voltage product.

Do not use any organic chemical solvents.

Use neutral glass adhesive to fix this product and it needs to be dried 4 hours in the open environment after operation.

Treat the ends and the circuit connection points that are not connected to the main line with insulation, waterproof, and anti-corrosion in the installation.

Use 18AWG (0.75mm² cross-sectional area) or thicker core wire to avoid adverse consequences caused by overheating, if the power cable need to lengthen.

Make sure the input voltage meets the requirements and lines are connected correctly before lighting on.

This product is for signage, and do not use as general lighting.

Series connection within the max run.

The length of the power cable between the power supply and the led strip should not exceed 2 meters. Otherwise, large circuit loss will lead to inconsistent brightness.

Installation, maintenance and repair should be operated by a qualified technician.

Statements and Recycling

Statements:

Repair should be operated by a qualified technician, if the external circuit or main line of this product is damaged.

The parameters given in this manual are typical values and for reference only.

All illustrations and drawings in this manual are for reference.

This product is subject to change without notice.

Recycling:

LED lighting products belongs to electronic products, please do recycling treatment according to the relevant WEEE directives.
