

LED Shoe box Light Installation Instructions



**THIS INSTALL MANUAL IS APPLICABLE FOR
MODEL NO : ARLS-100W/ ARLM-150W/ ARLL-200W**

SAFETY INFORMATION

IMPORTANT

THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE NATIONAL ELECTRICAL CODE AND LOCAL BUILDING CODES BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.

PRECAUTIONS

- Please read and understand this entire manual before attempting to assemble, install, or operate this light fixture.
- This light fixture requires a 120-277 Volt AC power source.
- Some codes require installation by a qualified electrician.
- This light fixture must be properly grounded.
- Make sure connections are secure using wire nuts, crimp-on lugs or other approved connecting devices
- Equipment should be mounted securely in locations and at heights where it will not be readily subjected to tampering by unauthorized personnel.



WARNING: Turn the power off at the circuit breaker or fuse. Place tape over the circuit breaker switch and verify power is off at the light fixture.



CAUTION: Burn hazard. Allow the light fixture to cool before touching.



NOTICE: FCC Regulations state that any unauthorized changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authorization to operate this equipment.



INFORMATION: The device is tested and found to comply with Part 15 of the FCC Rules. Operation is subject to two conditions: (1) This device may not cause harmful interference and, (2) this device must accept any interference received, including any interference that may cause undesired operation. These limits are designed to provide reasonable protections against harmful interference when the equipment is operated in a commercial environment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

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CAUTIONS:

1. Do not use any electric generator to test the LED lamp.
2. Please abide by related country, regional and local law and regulations when installing this fixture.
3. To avoid electrical shock and damage, please do not install the lights in raining days.

Notices:

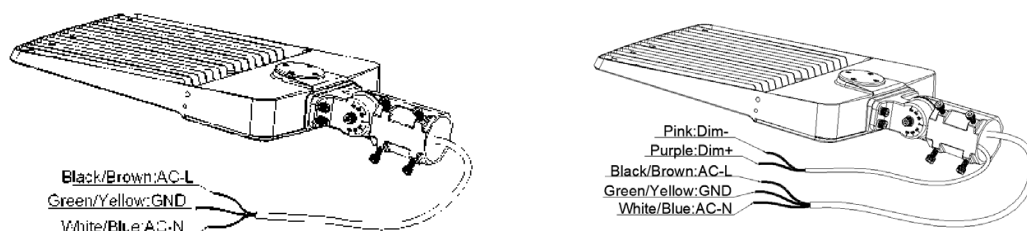
1. To prevent from electric shock or fire risk, the installation must be conducted by operator who have professional electrical knowledge.
2. Please wear gloves to avoid injury before installing lamps.
3. During or after installation, if there are situations such as smoke, fire in the wires or lamps, please turn off the power immediately and notify relevant personnel of an overhaul.
4. This light can be used for outdoor installation.

Instructions:

1. This product has dimming and non-dimming function, which differs in installation ways.
2. 3 dimming functions are available in this shoebox light:
 - (1). Constant current can be achieved by 1-10VDC dimming.
 - (2). PWM signal dimming.
 - (3). Variation of resistance unit dimming (Please choose the appropriate dimming way according to your needs. You can also choose not to use this function).
3. Choose the wire connection ways, dimming ways and installation ways according to your needs and the led fixture purchased.

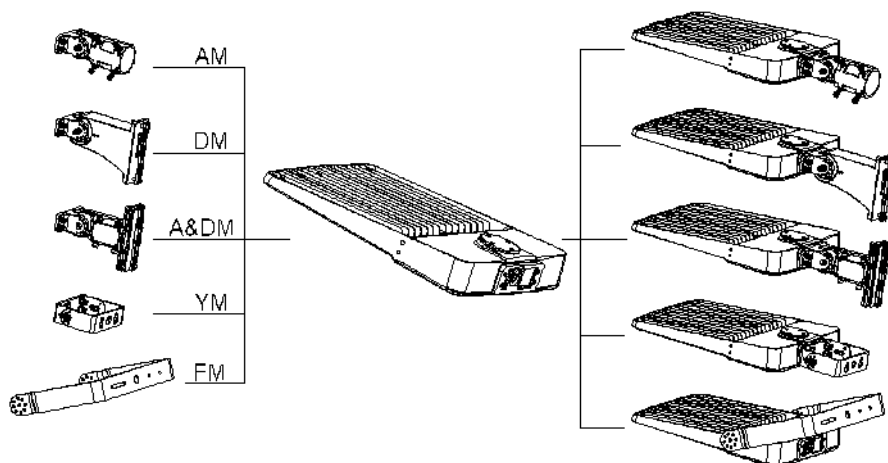
Wiring Diagram:

As for the wire color of DIM+ and DIM-, please check the label on the fixture.



Optional Brackets and Installation Instructions:

There are 5 optional brackets for this fixture. The following are led shoe box fixtures with different brackets.



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INSTALLATION I:

NOTE:

Please turn off the power before installation to avoid accident.

Installation Instructions with different brackets:

1. ADJUSTABLE FITTER MOUNTING (AM)

- Step 1: Loosen the 4 screws on the bracket with a screwdriver and make ensure that the bracket can fit into the light pole, Fig 1
Step 2: Connect the input wires of the fixture to the mains correctly, Fig 2
Step 3: Mount the fixture on the light pole and fix it with screws firmly to ensure that the fixture cannot be rotated or shaken, Fig 3
Step 4: If the installation angle of the fixture needs to be adjusted, loosen the screws of the bracket, and fix them again after finished adjustment, Fig 4

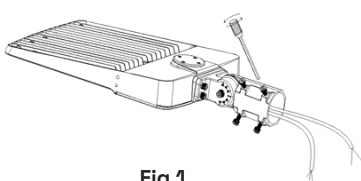


Fig 1

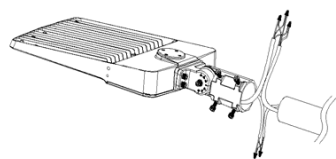


Fig 2



Fig 3

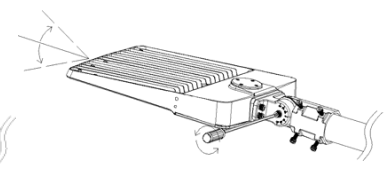


Fig 4

2. DIRECT MOUNTING (DM)

- Step 1: Loosen the screws on the bracket with a screwdriver and take off the bracket, Figure 1
Step 2: Fix the fixture on the pole after passing the input wire of the fixture through the pole, and then connect the input wires to the mains properly, Figure 2
Step 3: Fasten the pole cover to the pole after making sure the wires are connected correctly, Figure 3
Step 4: If the installation angle of the fixture needs to be adjusted, loosen the screws of the bracket, and fix them again after finished adjustment, Figure 4

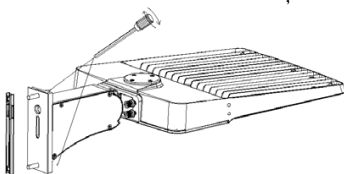


Fig 1

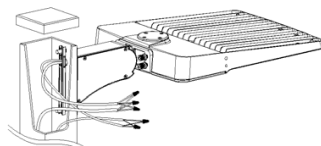


Fig 2

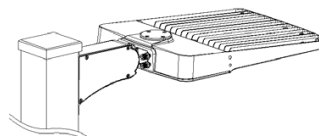


Fig 3

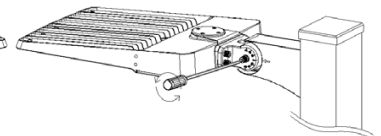


Fig 4

3. ADJUSTABLE FITTER MOUNTING & DIRECT MOUNTING (A&D)

Installation-1

- Step 1: Loosen the screws on the bracket with a screwdriver and take off the bracket, Figure 1
Step 2: Fix the fixture on the pole after passing the input wire of the fixture through the pole, and then connect the input wires to the mains properly, Figure 2
Step 3: Fasten the pole cover to the pole after making sure the wires are connected correctly, Figure 3
Step 4: If the installation angle of the fixture needs to be adjusted, loosen the screws of the bracket, and fix them again after finished adjustment, Figure 4

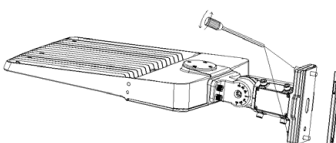


Fig 1

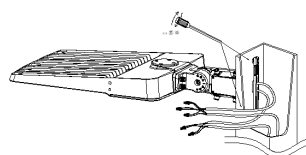


Fig 2

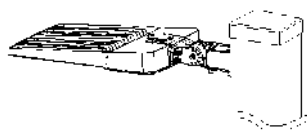


Fig 3

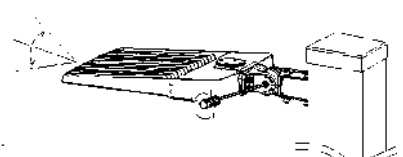


Fig 4

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INSTALLATION I:

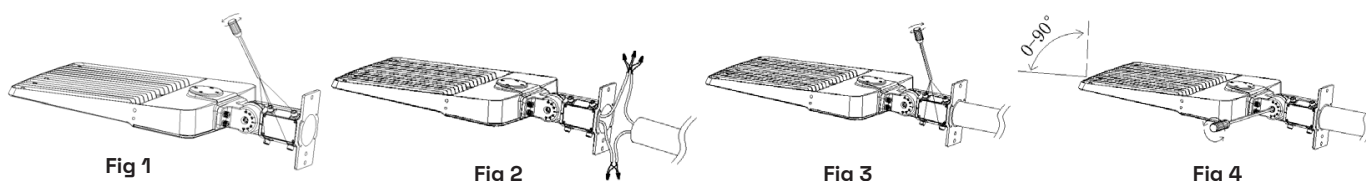
Installation-2

Step 1: Loosen the 4 screws on the bracket with a screwdriver and make ensure that the bracket can fit into the light pole, Figure 1

Step 2: Connect the input wires of the fixture to the mains correctly, Figure 2

Step 3: Mount the fixture on the light pole and fix it with screws firmly to ensure that the fixture cannot be rotated or shaken, Figure 3

Step 4: If the installation angle of the fixture needs to be adjusted, loosen the screws of the bracket, and fix them again after finished adjustment, Figure 4



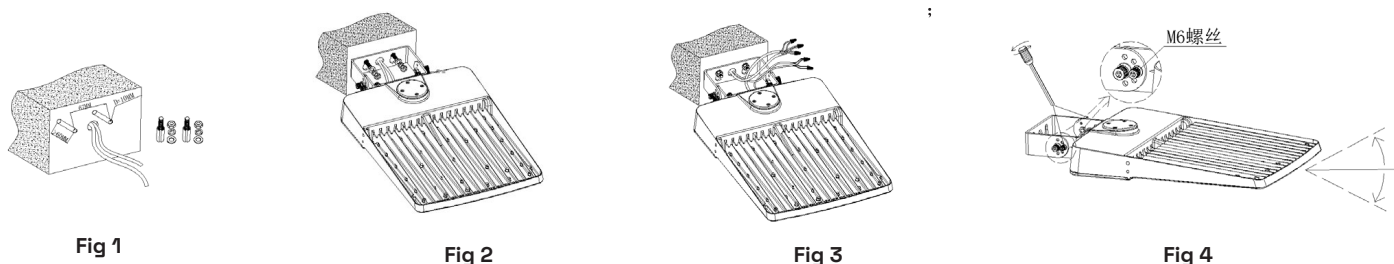
4. YOKE MOUNTING (YM)

Step 1: Use a tool to punch two 67MM holes on the wall and then insert 2 expansion screws into the holes, Figure 1

Step 2: Fix the fixture on the expansion screws, Figure 2

Step 3: Connect the input wires of the fixture to the mains properly, Figure 3

Step 4: If the installation angle of the fixture needs to be adjusted, loosen the screws of the bracket, and fix them again after finished adjustment, Figure 4



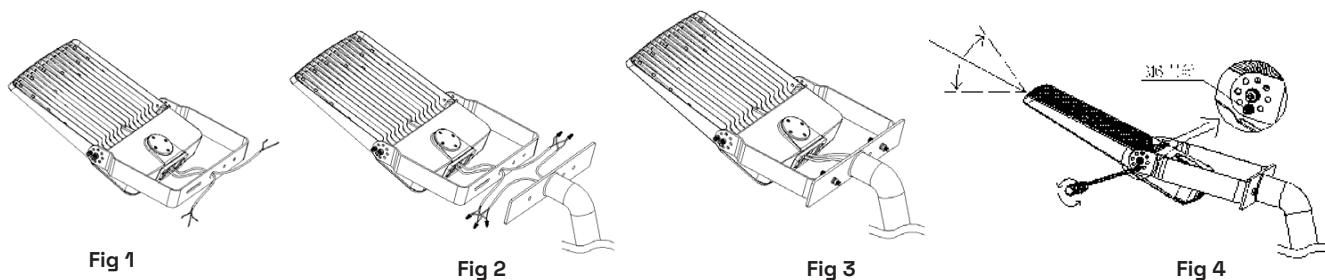
5. FLOOD MOUNTING (FM)

Step 1: Pass the connecting wires of the fixture through the hole on the FM bracket, Figure 1

Step 2: Connect the input wires of the fixture to the mains properly, Figure 2

Step 3: Fix the fixture to the FM bracket with screws, Figure 3

Step 4: If the installation angle of the fixture needs to be adjusted, loosen the screws of the bracket, and fix them again after finished adjustment, Figure 4



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INSTALLATION I:

Standard wire:

L/live wire: Black\Brown;

N/null wire: White\Blue;

Ground wire: Green\Yellow-green.

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CAUTION - RISK OF FIRE. CONSULT A QUALIFIED ELECTRICIAN TO ENSURE CORRECT BRANCH CIRCUIT CONDUCTOR

MIN 75°C SUPPLY CONDUCTORS

CE PRODUIT DOIT ÊTRE INSTALLÉ SELON LE CODE D'INSTALLATION PERTINENT, PAR UNE PERSONNE QUI CONNAÎT BIEN LE PRODUIT ET SON FONCTIONNEMENT AINSI QUE LES RISQUES INHÉRENTS

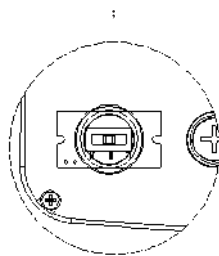
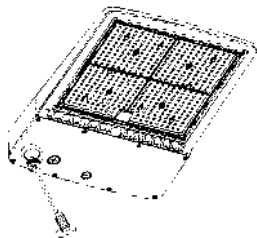
ATTENTION - RISQUE D'INCENDIE. CONSULTER UN ÉLECTRICIEN QUALIFIÉ POUR VOUS ASSURER QUE LES CONDUCTEURS DE LA DÉRIVATION SONT ADÉQUATS LES FILS D'ALIMENTATION 75 °C MIN

Operate as following instructions if the product is designed with below functions

Special functions instruction

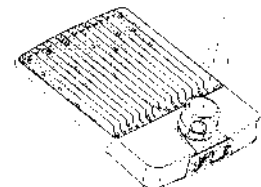
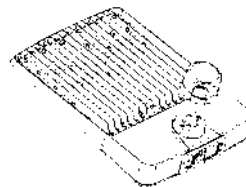
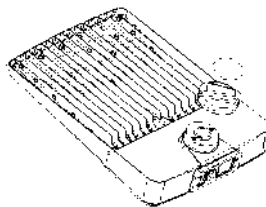
Wattage adjustment Instruction

- 1 Remove the 3/4 plug with a screwdriver
- 2 Adjust the internal wattage switch to get the desired wattage
- 3 Tighten the 3/4 plug after adjusted to the desired wattage



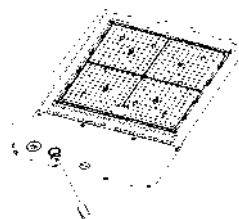
Instructions for Photocell

- 1 Take off the shorting cap from the fixture
- 2 Insert the AC photocell into the base and make sure the direction is correct
- 3 Screw in the photocell



Instructions for sensor

- 1 Remove the 1/2 plug with a screwdriver
- 2 Screw in the sensor



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