

## ESL01A

Refined Styling. Sophisticated Technology. The modern styling of the ESL01A Series LED Area Light luminaire is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment. Its outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density.



### Performance Data

WATTS	100W	150W	200W	300W
NOMINAL LUMENS	14000	21000	28000	42000
Light Angle	TYPEIII	TYPEIII	TYPEIII	TYPEIII
CRI	82+	82+	82+	82+
Dimmable	0-10V	0-10V	0-10V	0-10V
INPUT VOLTAGE	AC100-277V	AC100-277V	AC100-277V	AC100-277V
CCT	5000K			

### Quick Facts

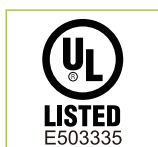
- 175-1000W MH Replacement.
- Lumen packages ranging up to 42,000 lumens.
- Efficacies of up to 140 lumens per watt.
- Available in 5000K CCT.

### Key Features

- Energy savings of up to 72% vs. comparable metal halide luminaires. Saves up to \$460 per luminaire, per year over 1000W metal halide.
- Energy savings of 20-30% vs. comparable LED luminaires.
- 15+ years expected service life with high lumen maintenance - up to L70/75,000 hours at 25°C.
- Proprietary precision optics deliver exceptional uniformity and allow increased spacing, meaning fewer total poles and lower overall cost.

### PRODUCT FEATURES

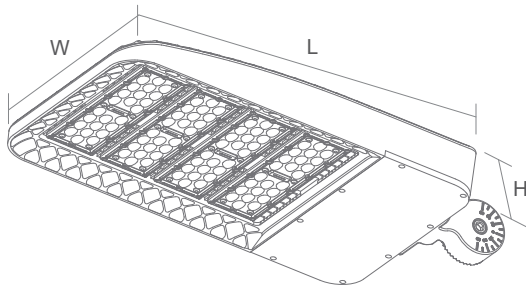
- Adopt aerodynamic design, take heat away quickly, keep low temperature for heat sink and LED chip for longer lifespan and higher light efficiency.
- A variety of installation ways, suitable for round pole, wall, ground and so on. All the screws are SUS316 stainless steel screws with stronger corrosion resistance ability.
- Osram SMD, high CRI, light efficiency up to 160-180lm/w, low light decay and long lifespan.
- ESL01A high efficiency series 12KV anti-surge LED driver, installed on die casting cover of led driver, take heat away quickly to keep lower temperature and longer lifespan.



## ESL01A

### Dimensions

Specifications subject to change without notice.  
All dimensions are inches unless otherwise indicated.



Item No.	Watt	L	W	H	Weight
ESL01A-100W-L-YE-D-(3S)	100W	14.37in	12.72in	3.15in	14.30lbs
ESL01A-150W-L-YE-D-(3S)	150W	14.37in	12.72in	3.15in	14.96lbs
ESL01A-200W-L-YE-D-(3M)	200W	20.87in	12.72in	3.15in	20.68lbs
ESL01A-300W-L-YE-D-(3M)	300W	20.87in	12.72in	3.15in	22.37lbs

### The Installation Diagram

#### A SF=Slip Fitter



An optional cast aluminum mast arm adapter secures fixture head to nominal 2"(2-3/8"O.D. pipe size) horizontal steel tenon arm.

#### B SQ=Adjustable Square



Square Mount is easy to install for direct wall mounting with 1/2" conduit wiring or standard J-box mounting.

#### C RP=Round Pole



Round Pole Mount is easy to install for direct wall mounting with 1/2" conduit wiring or standard J-box mounting.

#### D WM=Wall Mount



Wall Mount is easy to install for direct wall mounting with 1/2" conduit wiring or standard J-box mounting.

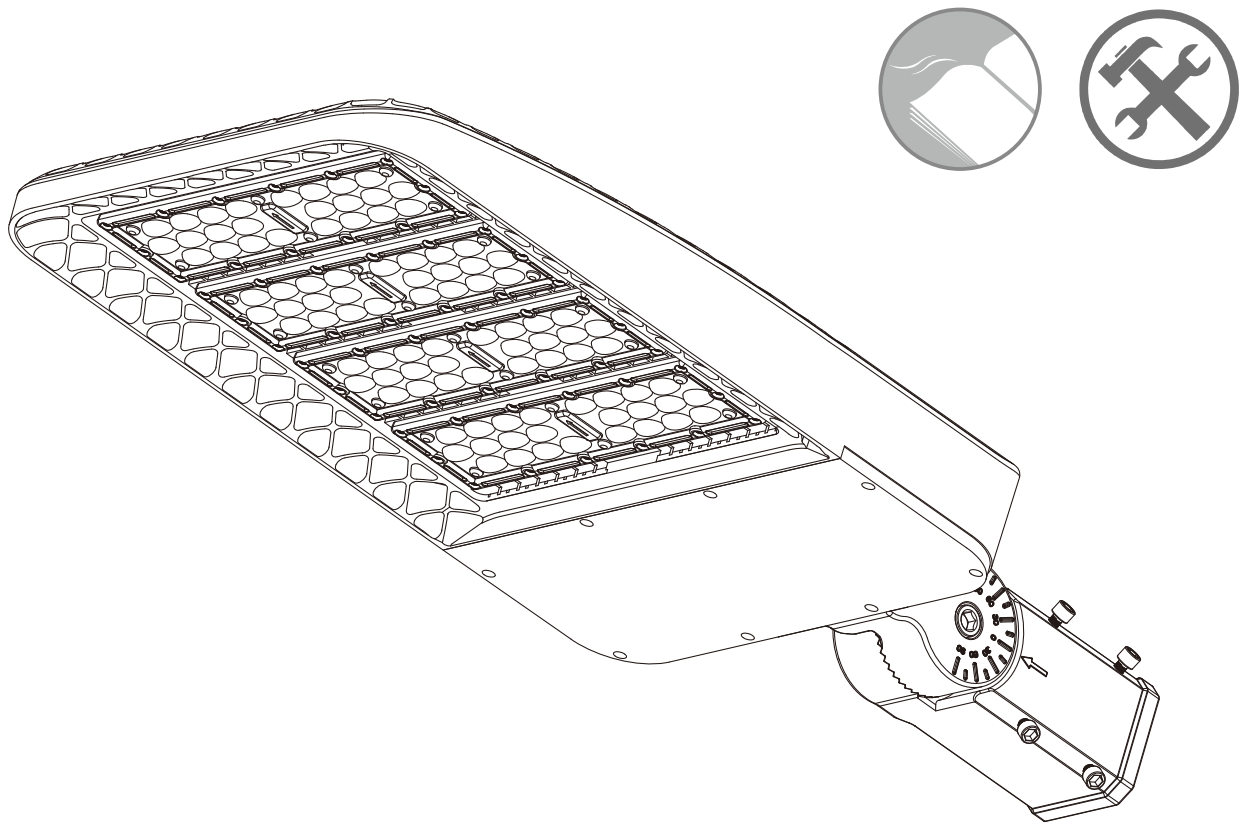
### Ordering Matrix

TYPICAL ORDER EXAMPLE: ESL01A-100W-L-YE-D-SP(3S)

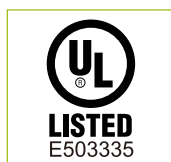
Family	Watts	Input voltage	Sensor	Mounting	Dimming	Surge Protector	Light Angle	SIZE
ESL01A	100W	L	Y	E	D	SP	3	S
	100W 150W 200W 300W	L-AC100~277V H-AC200~480V	Y=No sensor L=Photocell M=Microwave S=Photocell and microwave	E=Type Bracket	D-0~10V Z-Non Dimming	SP=Surge Protector Black=No Surge Protector	1=30° 2=60° 3=150° 4=90° 5=110°	S-365*320*76(mm) M-530*320*76(mm) L-530*640*76(mm)

# Area Light Fixture

## Installation instructions



100W/150W/200W/300W



# ECOObuy INC.

## Installation/Retrofit Guide



**Warning:** Important Safety Instructions. Risk of Fire or Electric Shock. Read ALL Installation Instructions before installing ECOObuy luminaires. DO NOT Remove Cover. No User-Serviceable Parts inside.

Thank you for purchasing ECOObuy luminaires and for investing in the future of eco-friendly products. By selecting ECOObuy luminaires, you have chosen a high-quality, eco-friendly product that is designed for years of dependable performance. We stand behind our products and are confident that you will have a peace of mind knowing that it is a reliable product.

This guide explains the steps necessary to install ECOObuy luminaires in a fixture. It is for reference only and is intended for qualified electricians or lighting technicians who are familiar with the construction and operation of the product and the hazards involved. Wiring modification for ECOObuy luminaires installation requires knowledge of luminaire electrical systems. If not qualified, DO NOT attempt this installation. Contact a qualified electrician or a lighting technician.



**Warning:** Before conducting any inspection, installation, maintenance, disable all power to the luminaire. ECOObuy luminaires are designed to work with AC 120V - 277V. Ballast (if equipped) MUST be bypassed or removed from the fixture before installing the ECOObuy luminaire. See "Wiring Diagram" on backside. Failure to follow instructions can result in a damaged product and will VOID the Warranty. It could also result in an electric shock, or fire.

- Disable all power to luminaire before conducting any inspection, installation, maintenance, or removal. Failure to do so will create a hazardous and potentially fatal working environment.
- For use in Wet Locations. Do not use where directly exposed to Liquid, Vapor, Rain or Weather. Non-Submergible (not water tight).
- The installer must determine and verify whether the supply voltage is the same as the rated luminaire voltage before installation. Improper voltage matching can result in performance degradation and/or physical damage. These luminaires work on line voltage and require all Ballasts and Starters to be bypassed.
- Operate in fixtures that provide the free flow of air around the luminaires. In enclosed fixtures, ensure the luminaires have enough space for heat dissipation. This will ensure lumen maintenance and extend its lifespan. When luminaires are used inside an outdoor enclosure, ensure the enclosure is waterproof and well ventilated.
- Not intended for use in emergency exit fixtures or exit lights. Be suited to use with a dimmer or remote controls.
- Luminaire wiring, Ballast, or other electrical parts may be damaged during installation. Always check for loose wiring and components.
- To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.
- Do not make or alter any open holes in an enclosure for wiring or electrical components during installation.
- Do not block light emanating from luminaires may cause an unsafe condition.
- Installing surge/lightning protectors is highly recommended and helps to eliminate premature driver failure caused by surges and other power fluctuations.



This product can expose you to chemicals including (name of one or more chemicals), which is (are) known to the State of California to cause cancer. For more information go to [WWW.P65Warnings.ca.gov](http://WWW.P65Warnings.ca.gov)

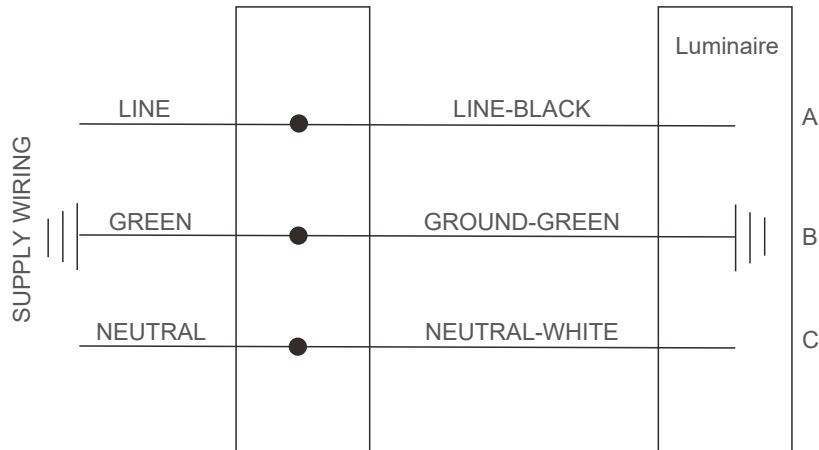
## IMPORTANT SAFE GUIDES

When using electrical equipment , basic safety precautions should always be followed including the following:

## READ AND FOLLOW ALL SAFETY INSTRUCTIONS

- DANGER-Risk of shock-Disconnect power before installation.
- This luminaire must be installed in accordance with the NEC or your local electrical code. If you are not familiar with the codes and requirements, consult a qualified electrician.

## ELECTRICAL CONNECTIONS



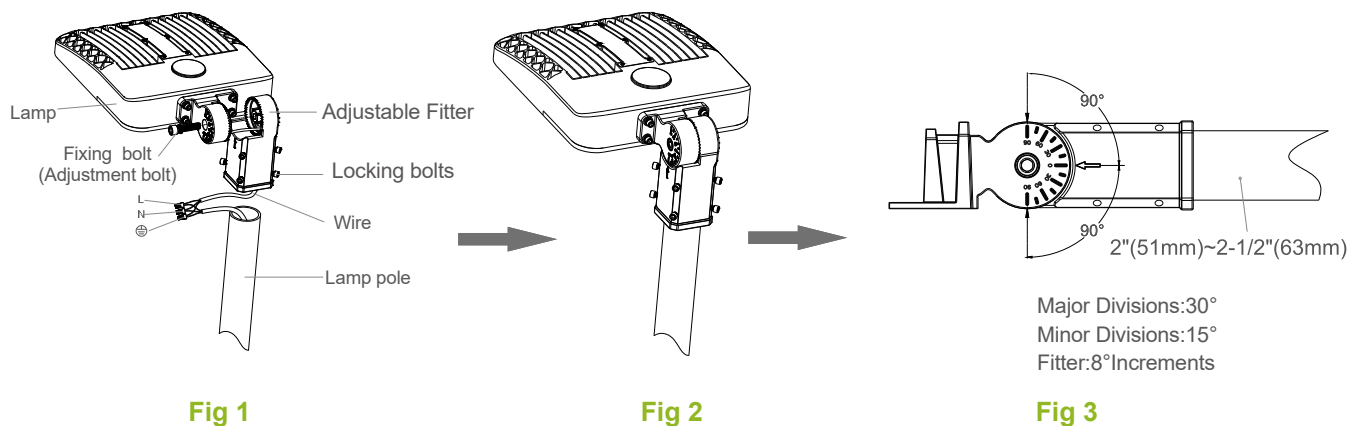
A. For 100/277V connect the black fixture lead to the voltage supply(for 200/480V wiring).

B. Connect the green or green/yellow ground lead to ground.

C. For 100/277V connect the white fixture lead to the neutral supply(for 200/480V wiring).

**To install:Read the installation instructions and choose the way you need to install the luminaire.**

## NO.1 Slip adjustable fitter mounting.



### STEP1

Screw off 6 pcs Locking bolts, and connect the wires.

### STEP2

Slip over the pole, tighten the screws.

### STEP3

According to actual needs, screw off the fixing bolt, then adjust the fixture angle, tighten the fixing bolt.

## NO.2 Adjustable straight arm

### 1. Square pole mount

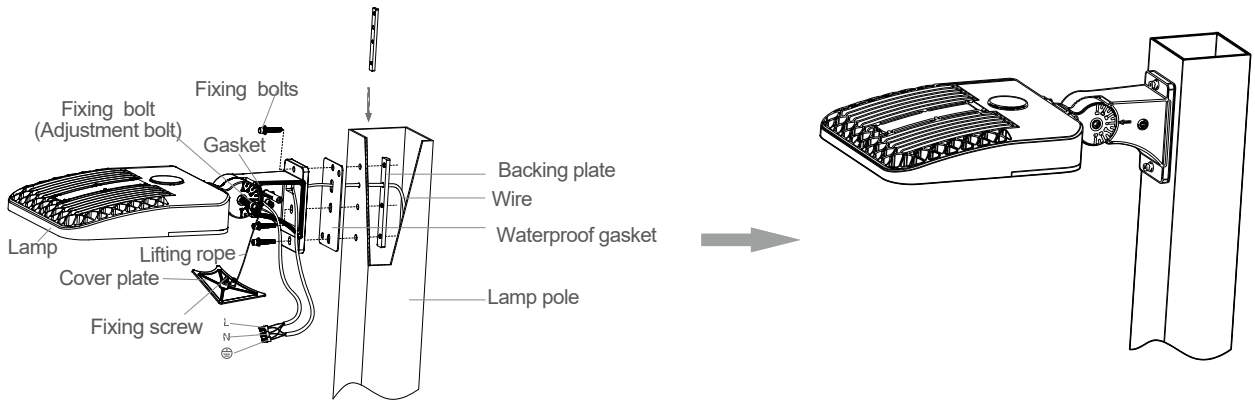


Fig 1

Fig 2

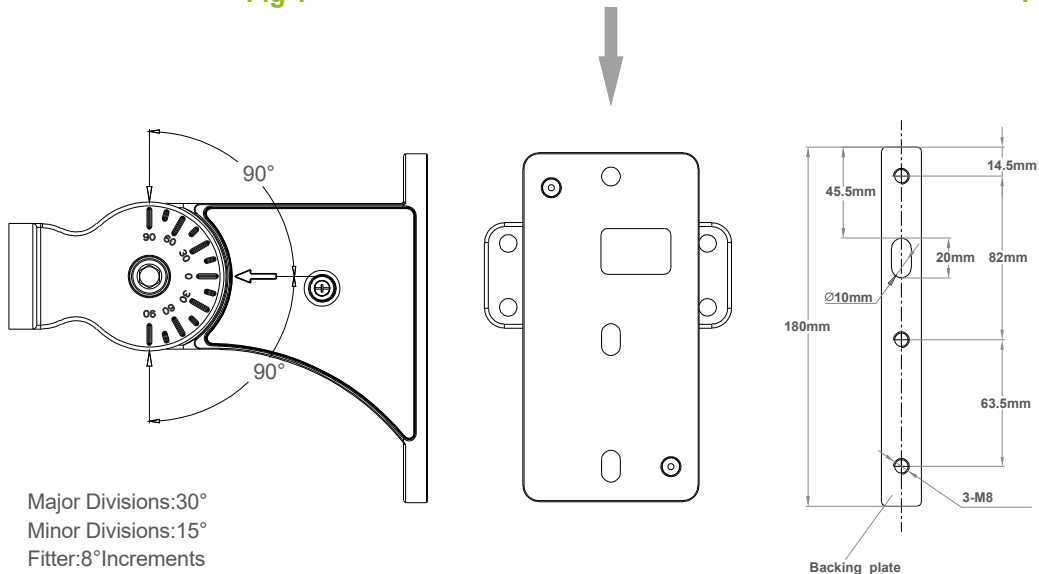


Fig 3

#### STEP1

Drilling the hole as the position on the backing plate, (see Fig 3), Screw off the fixing screws on the cover plate, take down the fixing bolts from the backing plate, connect the wires in the bracket.

#### STEP2

Fix the adjustable straight arm on the square pole with fixing bolts and backing plate, do not forget the waterproof gasket between the pole and bracket.

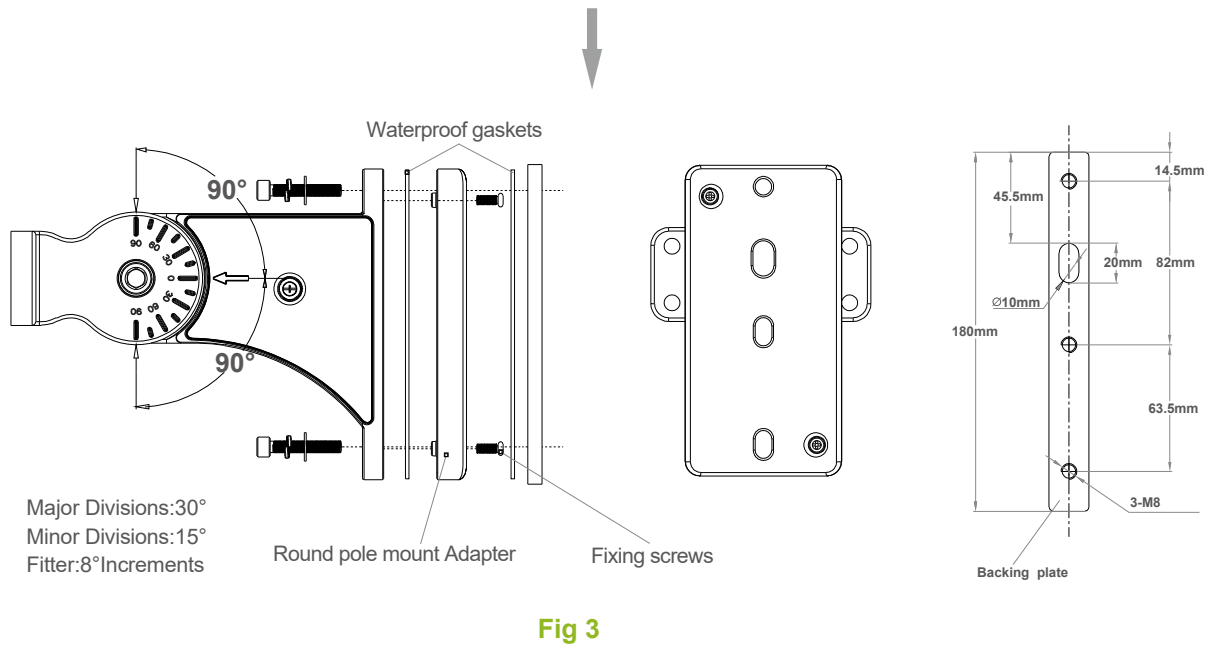
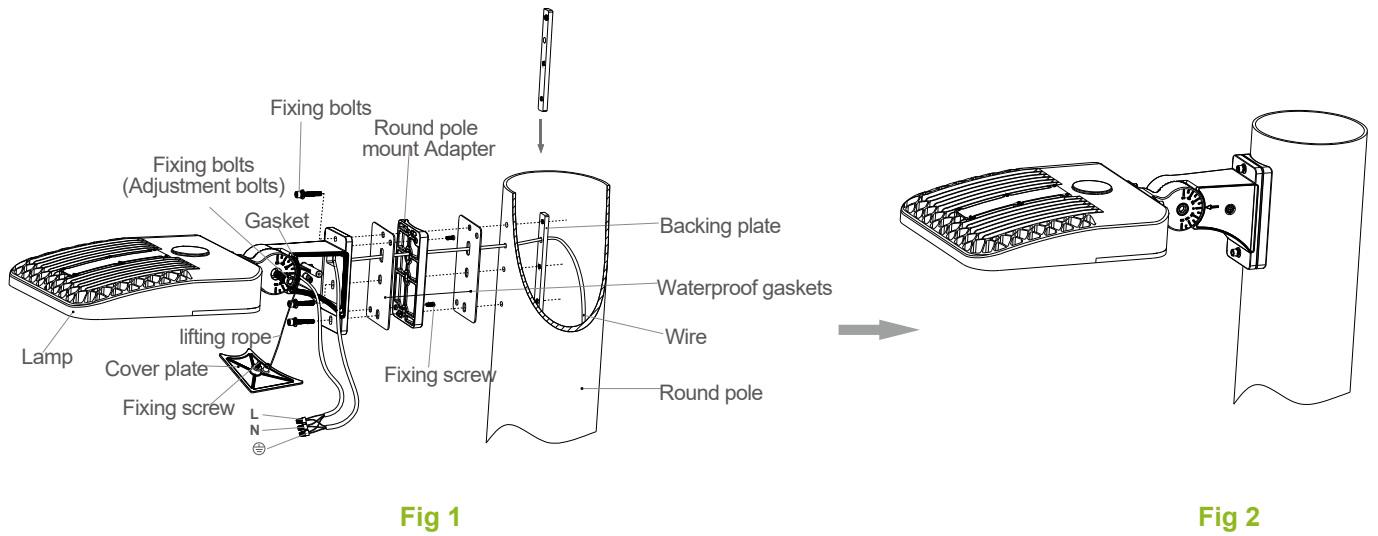
#### STEP3

Connect the wires, then put the wires in the bracket, tighten the fixing screws on the cover plate.

#### STEP4

According to actual needs, screw off the fixing bolt, then adjust the fixture angle, tighten the fixing bolt.

## 2. Round pole mount



### STEP1

Make sure the round pole mount adapter tightened. Drilling the hole as the position on the backing plate (see Fig 3), Screw off the fixing screws on the cover plate, take down the fixing bolts from the backing plate, connect the wires in the bracket.

### STEP2

Fix the adjustable straight arm on the square pole with fixing bolts and backing plate, do not forget the waterproof gasket between the pole and bracket.

### STEP3

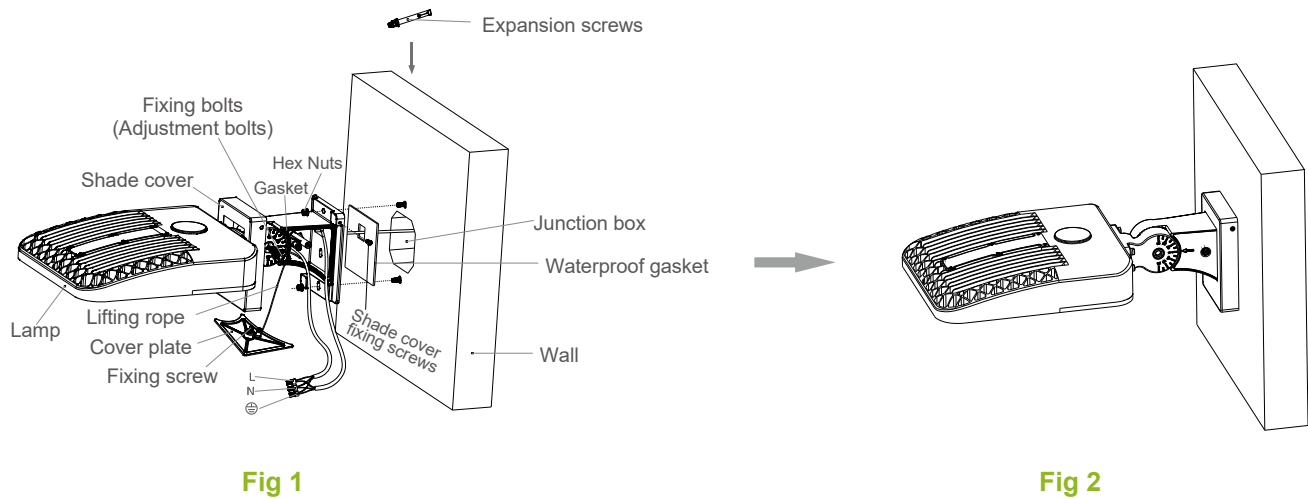
Connect the wires, then put the wires in the bracket, tighten the fixing screws on the cover plate.

### STEP4

According to actual needs, screw off the fixing bolt, then adjust the fixture angle, tighten the fixing bolt.

## NO.3 Wall mount

### Straight arm mount on wall



#### STEP1

Referring to the bracket hole position drill holes on Junction box and under the wall, screw off the cover plate's fixing screw, take off the cover plate, put the wires through waterproof ring from the junction box into bracket cavity, then fix the bracket with expansion screw.

#### STEP2

Follow the correct way of wiring, put the wire buried in the bracket cavity, then tighten cover plate's fixing screw.

#### STEP3

According to actual needs, screw off the fixing bolt, then adjust the fixture angle, tighten the fixing bolt. (Attention: When screw off the fixing bolt, just can adjust the angle can be, prevent the fixing bolt too loose to fall.) Remark: Major divisions: 30°, Minor divisions: 15°, Fitter: 8° increments.



# LIMITED WARRANTY

ECOBUY Inc. warrants to the original purchaser that all products sold will be free from defects in material and workmanship for a period of five (5) years from the date of original purchase. Special and custom orders carry ONLY one year warranty unless stated expressly. All returns must be approved and returned with shipping prepaid in original condition and in their original packaging.

If any product covered by this limited warranty is returned by the original purchaser and found to be defective, ECOBUY will, at its own discretion, repair or replace the product, or reimburse the original purchaser for the purchase price. ECOBUY will bear any freight cost that arises from shipping the replacement product back to the purchaser. If ECOBUY chooses to replace the product, and the particular product is not available, ECOBUY may have the discretion to replace it with a comparable product.

## The limited warranty may be voided due to the following conditions:

- Purchaser's continuing use of products after reporting the defect .
- Purchaser fails to store, install, operate, or maintain applicable products in accordance with ECOBUY's operating instruction, or adhere to any of the electric codes, such as the National Electric Code (NEC), the Standards for Safety of Underwriters Laboratories (UL), or the American National Standards for the American National Standards Institute (ANSI).
- Purchaser alters, repairs or has service performed on the applicable product without ECOBUY's prior written consent.
- Damage or failure to perform arising from any abuse, misuse, abnormal use, improper power supply, power surges, use of unauthorized components, vandalism, or in the event of Force Majeure.

THIS LIMITED WARRANTY SET FORTH ABOVE IS THE ONLY EXCLUSIVE WARRANTY GIVEN BY ECOBUY WITH RESPECT TO THE PRODUCTS AND SOLE REMEDY FOR ANY AND ALL CLAIMS, AND NO OTHER WARRANTIES OR ANY KIND, WHETHER STATUTORY, ORAL, WRITTEN, EXPRESSED OR IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE SHALL APPLY. UNDER NO CIRCUMSTANCES SHALL ECOBUY BE LIABLE FOR ANY INDIRECT, CONSEQUENTIAL OR COMPENSATORY DAMAGES, INCLUDING, WITHOUT LIMITATION, DAMAGES RESULTING FROM LOSS OF USE, PROFITS, BUSINESS OR GOODWILL.

Warranty terms and policies are subject to change without notice.