

Please carefully read this manual before using the product

CE RoHS

SUNECO PRODUCT STREETLIGHT

ECO5326LD Series

Manual



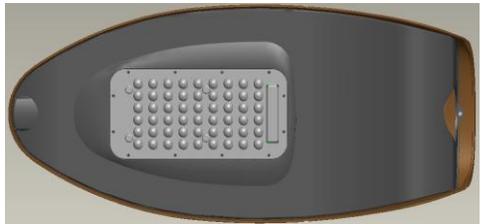
1 Introduction

- LED Source : Use well-known LED chips, with multiple low power LED integrated modules, and Wide light-emitting surface, uniform illumination and long lifespan.
- Housing : Die-cast aluminum, Modern design with strong tempered -glass cover or PC Lens
- Advantages : With PC lens, mild light, high light effect, quick start, radiation free.
- Power supply : Inside
- Application : City streets, pavements, squares, schools, parks, yards, residential areas, factories and any other places where lighting is needed.

2 Appearance



With Tempered Glass Cover



With PC Lens

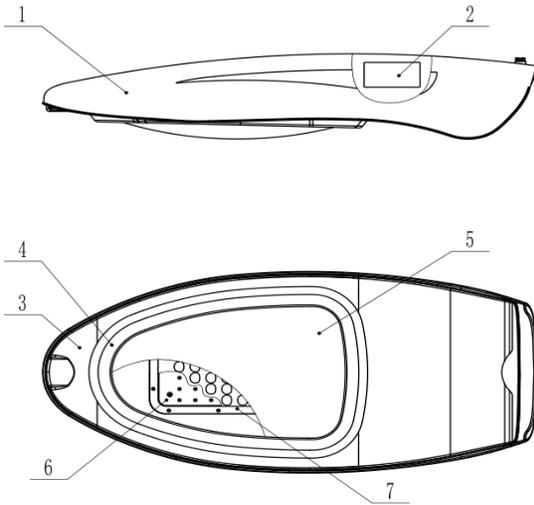
3 Features

- Energy efficient: This efficient solution lowers 50% energy consumption compared to traditional fixture.
- Super Long lifespan: More than 50,000hrs
- Good for health: No ultraviolet rays and infrared radiation, no radiation, Gloss stability. without affecting color life by years
- Environment friendly: not harmful elements such as mercury and lead.
- Eyesight Protection: DC Drives, No Flicker, No eye fatigue with long-term using.
- Common luminaires usually use AC drives, Flicker follows.
- High light effect: Entire lighting efficiency $\geq 100\text{lm/W}$
- High Protection Class: IP65
- Advantages:
 - 1> Meet the requirements of 1: 3.5 between the Pole Height and the spacing.
 - 2> Adapt any angles of pole between $0 \sim 20^\circ$
 - 3> Housing as the heat sink to improve the heat radiation and power performance
 - 4> Convenient to replace with the separated LED box and E-box

5>Pole Diameter:Φ50/Φ60。

➤ Firm and reliable: High-strength tempered glass + Die- casting Aluminum , convenient for transportation.

4 Structure

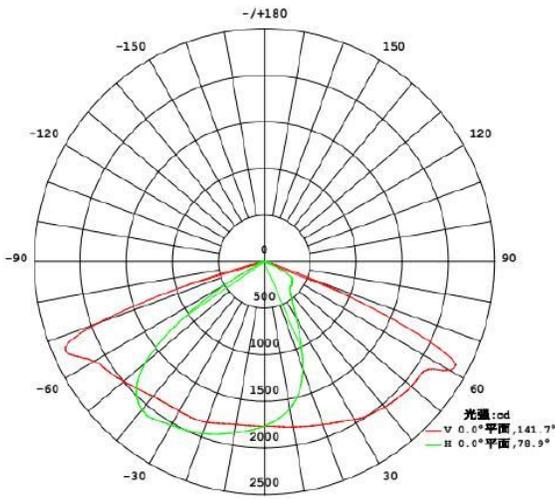


1 Back cover 2 Power Supply 3 Heat sink 4 Frame for Glass cover 5 Tempered Glass 6 LED Module
7 Lens Option without Glass

5 Parameters

| Item | Parameter | Unit | Data | Memo |
|------|---------------------------------|------|--------------------------|------|
| 1 | Input Voltage | V | AC100~240 | |
| 2 | AC Input Voltage Frequency | Hz | 50/60 | |
| 3 | LED Power | W | 20W /30W /40W/50W/60W | |
| 4 | Color | / | WHITE | |
| 5 | Color Temperature | K | 2700/3000/4000/5000 | |
| 6 | Color Rendering Index(Ra) | / | >70 | |
| 7 | Rated Luminous Flux | Lm/W | >100 | |
| 8 | LED Working Voltage | V | 27~36 | |
| 9 | IP Grade | / | IP65 | |
| 10 | Electrical Insulation Grade | / | CLASS I | |
| 11 | Working Environment Temperature | °C | -40~50 | |
| 12 | Dimension | mm | 530×245×102 | |
| 13 | Light Weight | kg | 2.75 | |
| 14 | Power factor | | >0.9 | |
| 15 | Power Efficiency | | >89% | |

6 Distribution



Average beam Angle 111.6°

7 Installation

Fix the LED street light on the pole first. Connect right the out-going wire of street lights according to the requirements. After check everything is ready, connect to the powerful supply. Then the street light can work properly. he installation steps as follow:

1. Fix pole connector with allocated rotary connector. Put the cable line inside the electric box of light. Fix the light completely on the pole.

2. Connect the light cable line with power supply according the connecting marks.

AC Input Connecting Mark: N  L

N: Zero Line  : Ground Line L: Live Line

DC Input Connecting Mark: DC+ DC-

DC+: anode DC-: cathode

K: half power control terminal (alternative when need)

K+: half power control anode; K-: half power control cathode

3. Close electric box, screw on, pay attention: do not press on cable.

8 Transport and Storage Requirements

1. The package for street light is carton. People should avoid serious impacting, insulating and drenching when transporting. The package cannot be serious bumped, turned over, threw, rolled or pressed.

2. Reserve the street light in the place which is cool, dry and clean

9 Open Package and Check

1. Check whether the carton of the light is good before open.

2. There is one certification and one introduction to each light. Check whether the part of light is in good condition.

3. Check whether the connector and screw of the light are loose or not.

10 Caution

1. Read the manual carefully before using the light in order to avoid accidents and consequential damages.

2. Lighting wiring must be in strict accordance with the instructions in "Use and Installation" instructions, reverse connecting is strictly prohibited .

3. The product is designed to be maintenance-free. Under normal circumstances, servicing is not needed. Please contact us if the product needs servicing.

4. Please check the product carefully before using it. If anything abnormal happens in using, please contact

us.

5 .While using the light the surface temperature will rise a little bit which is normal.

6 .Opening the glasses, reflector and heat sink is prohibited to avoid damaging the waterproof function of the light.

1 1 Warning

1. Before installing, please make sure the light is complete.
2. Not to press or throw the lamp hard.
3. The light should be kept in the place that is cool, dry and clean. Do not expose to extreme elements, such as fire and water.
4. Make sure the installation is correct then connect the power supply. Pay attention to close the power supply when installing the light.
5. Non-professionals opening light housing is forbidden when the lamp is working.
6. Do not throw the used lights indiscriminately. Observe proper Recycling procedures.