

# **SYSS655LC STREET LIGHT SERIES**

Manual

# 1. Introduction

**LED SOURCES:** Use the powerful LED as the light source with our own intellectual property rights for LED integrated encapsulation. The light source can be used around 50000 hours continuously. Their life-span is more than 10 years. That means LED street lights needn't change their light source; 0 lumens depreciation.

**HOUSING BODY:** Reasonable structure, Perfect appearance and with the feature of good anti-hot, anti-humidity, and air-proof.

Start quickly, high light efficiency, clear eye-sight. No flicker. Operate Safely. No damages to eyes and skin.

**SYSS655LC Series Street light can be used in the City**

**road, Residential district, Industry garden, Pavement,**

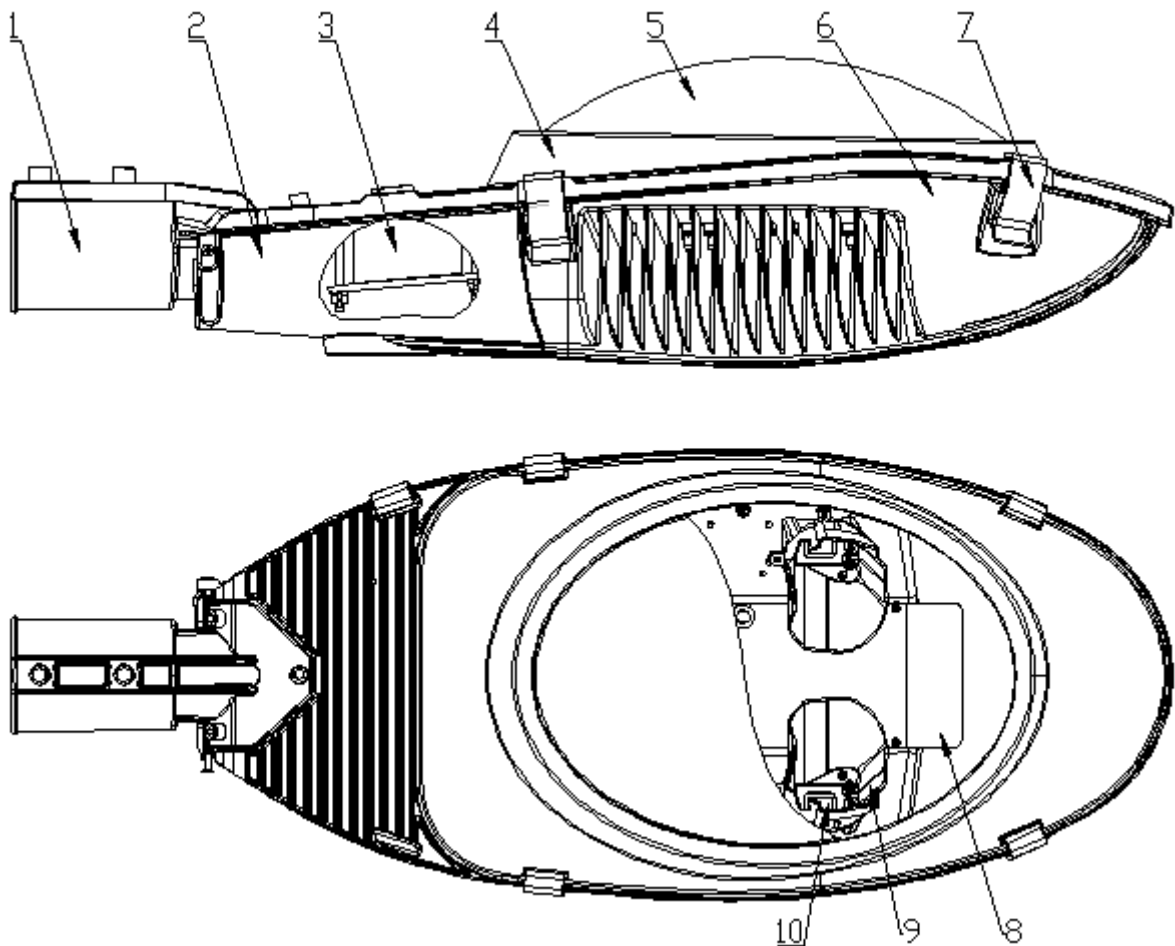
**Square, Garden, School, and Villa and so on.**



## 2. Feature

- 1 . High efficiency and save energy: compare to the traditional light, save about 50%;
2. Long life span: 50000 hours.
3. Good for health: No ultraviolet rays and infrared radiation, no radiation, Gloss stability. without affecting color life by years.
4. Environment friendly: No harmful elements such as mercury and lead.
5. It has two kinds installation method-According to 4.4

## Structure



1, pole connector 2.back cover body 3. Power supply 4. Glass cover 5. Woven design glass  
6. Light body 7. Fastener 8. sunshade 9.Reflector 10. LED sources and others.

### 3. Parameter

Item	Model	size	LED quantity	material	Weight (Kg)	IP Rating
1	SYSS655LC55(2)	655 x295 x202	2	Die-casting aluminum +tempered glass	6.5	IP65
2	SYSS655LC65(2)	655 x295 x202	2		6.5	IP65
3	SYSS655LC80(2)	655 x295 x202	2		6.5	IP65
4	SYSS655LC85(2)	655 x295 x202	2		6.5	IP65
5	SYSS655LC90(4)	655 x295 x202	4		6.5	IP65
6	SYSS655LC100(4)	655 x295 x202	4		6.5	IP65
7	SYSS655LC110(4)	655 x295 x202	4		6.5	IP65
8	SYSS655LC120(4)	655 x295 x202	4		6.5	IP65

### Electrical parameter:

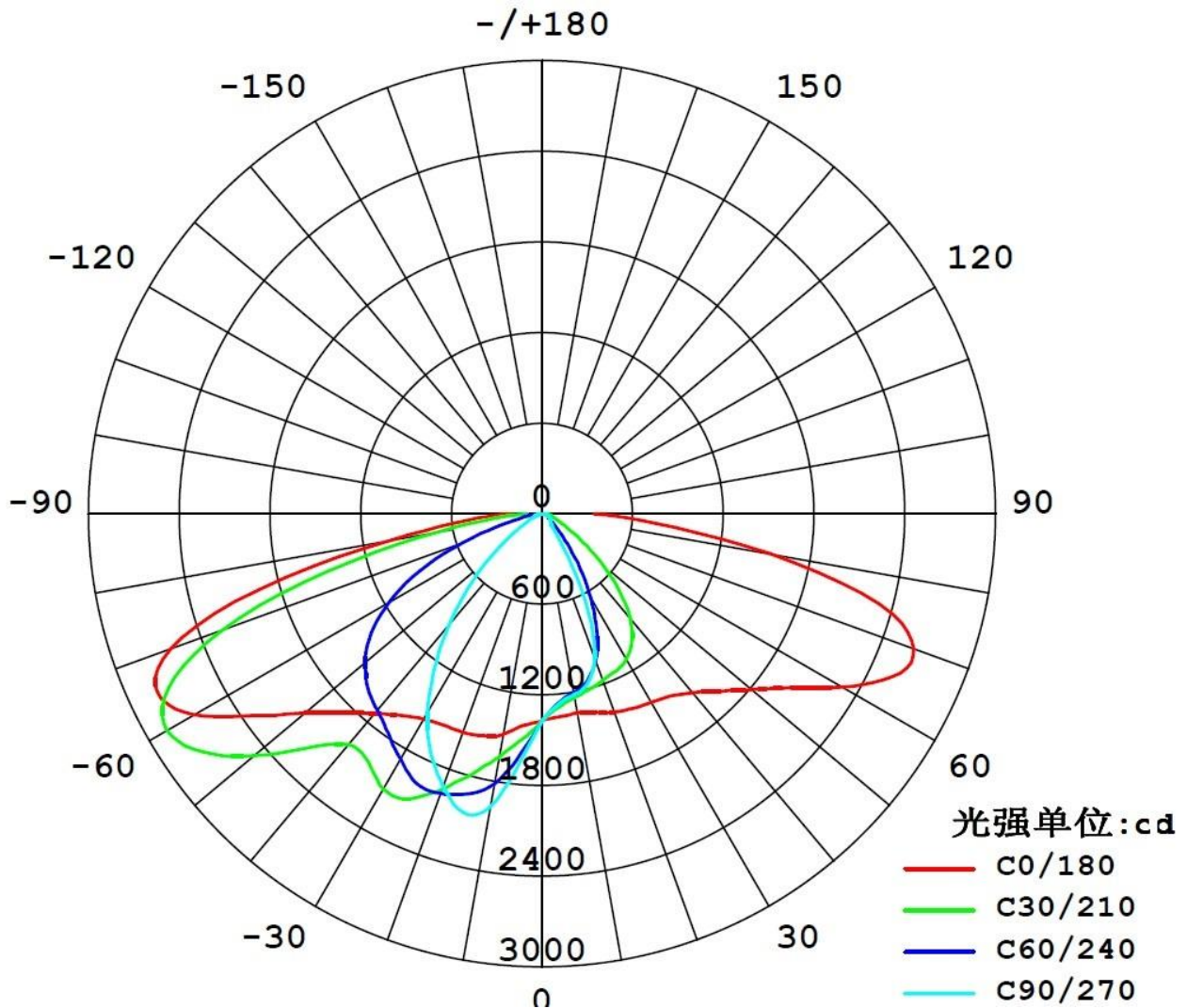
Item	Model	Rated power (W)	Input voltage	Frequency	Power factor	Power supply efficiency
1	SYSS655LC55(2)	55	AC85~265 DC12V /DC24V	50/60	>0.95	>89%
2	SYSS655LC65(2)	65	AC85~265 DC12V /DC24V	50/60	>0.95	>89%
3	SYSS655LC80(2)	80	AC85~265 DC12V /DC24V	50/60	>0.95	>89%
4	SYSS655LC85(2)	85	AC85~265 DC12V /DC24V	50/60	>0.95	>89%
5	SYSS655LC90(4)	90	AC85~265 DC12V /DC24V	50/60	>0.95	>89%
6	SYSS655LC100(4)	100	AC85~265 DC12V /DC24V	50/60	>0.95	>89%
7	SYSS655LC110(4)	110	AC85~265 DC12V /DC24V	50/60	>0.95	>89%
8	SYSS655LC120(4)	120	AC85~265 DC12V /DC24V	50/60	>0.95	>89%

### Optical parameter:

Item	Model	LED Source type	Color temperature	CRI	Lumens (lm)	Whole light efficiency (lm/W)
------	-------	-----------------	-------------------	-----	-------------	-------------------------------

1	SYSS655LC55(2)	Q50	3000K-6000K	70	6050	110
2	SYSS655LC65(2)	Q50	3000K-6000K	70	7150	110
3	SYSS655LC80(2)	Q50	3000K-6000K	70	8800	110
4	SYSS655LC85(2)	Q50	3000K-6000K	70	9350	110
5	SYSS655LC90(4)	Q50	3000K-6000K	70	9900	110
6	SYSS655LC100(4)	Q50	3000K-6000K	70	11000	110
7	SYSS655LC110(4)	Q50	3000K-6000K	70	12100	110
8	SYSS655LC120(4)	Q50	3000K-6000K	70	13200	110

## Lighting distribution:



## 4. Use and Installation

Fix the LED street light on the pole first. Connect right the out-going wire of street lights according the 4.2 requirements. After check everything is ready, connect to the powerful supply. Then the street light can work properly. he installation steps as follow:

4.1 Fix pole connector (4) with allocated rotary connector. Put the cable line inside the electric box (3) of light. Fix the light completely on the pole.

4.2 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-

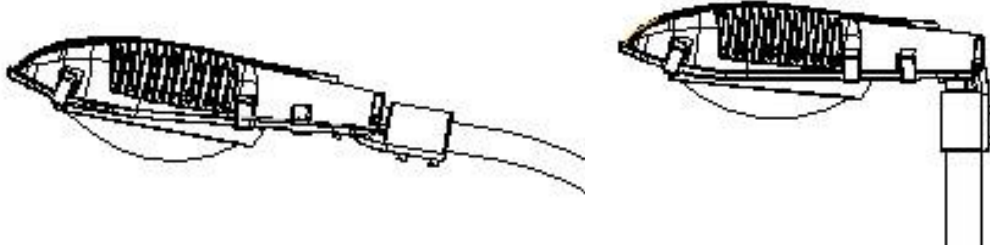
DC+: anode      DC-: cathode

K: half power control terminal (alternative when need)

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

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

4.4 two installation method as follow



## 5. Transportation and Storage

5.1 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.

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

## 6. Open Package and Check

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

6.2 There is one certification, one introduction and one sealing ring matches to each light. Check whether the part of light is in good condition.

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

## 7. Caution

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

7.2 Pay attention to 4.2 requirement when connect light, prohibit connect it reverse.

7.3 The product is designed to be maintenance-free. Under normal circumstances, servicing is not needed. If the product needs servicing, please contact us.

7.4 Please check the product carefully before using it. If anything abnormal happens when in use, please contact us.

7.5 While using the light the surface temperature will rise a little bit. This is normal.

7.6 Open the connection of reflector and glass is prohibited, it will damage the waterproof.

## 8. Warning

8.1 Before installing people should make sure the light is complete.

8.2 The protection cover of the light is tempered glass. Do not press or throw it hard to avoid cracking. If it was cracked, it must be replaced by another one.

8.3 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.

8.4 The power should be turned off when connecting the wire. After connecting wires, check whether connection is all right or not; prohibit connect it reverse.

8.5 When the light is working, non-professional worker is prohibited to open the light.

8.6 Do not throw the used lights indiscriminately. Observe proper recycling procedures.