

1 Introduction

Energy conservation and Environmental protection

- No UV and other harmful rays
- No Lead and No Mercury
- Up to 60% energy saving compare with the HPSL.

Features

- Single high power LED
- Effective heat conductivity
- Life time $\geq 50,000$ hours
- IP65
- Instant start
- Mercury and lead free
- Higher color rendering $Ra > 80$
- Stable light output
- Easy and flexible installation



Application fields:

- City branch ,secondary following highway,pavement, square,school,park,residential area,factoryroad, and any other outdoor place where need lighting.

Physical characteristics

- High purity aluminium reflector and heating body,5mm strength tempered glass cover. 5mm tempered glass.
- Weight:10kg
- Dimensions: 692x330x140mm

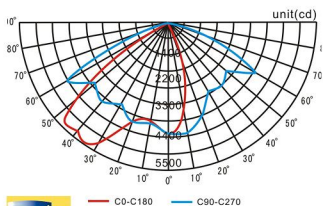
Electrical parameters

Product Type	Work Voltage	Frequency	Consumption	Power of light	Efficiency	Power Factor
RT680SL-S60W	AC (85~265V) DC (24V)	50-60Hz	66.7W	60W	90% 93%	>0.9
RT680SL-S70W	AC (85~265V) DC (24V)	50-60Hz	77.8W	70W	90% 93%	>0.9
RT680SL-S80W	AC (85~265V) DC (24V)	50-60Hz	88.9W	80W	90% 93%	>0.9

Optical parameters

Product Type	Color temperature	Initial Luminous	Lighting efficiency	Colouration index	Beam	Power efficiency
RT680SL-S60W	2700K~7000K	5400~6000W	90~100lm/W	Ra>80	70°	>85%
RT680SL-S70W	2700K~7000K	6300~7000W	90~100lm/W	Ra>80	70°	>85%
RT680SL-S80W	2700K~7000K	7200~8000W	90~100lm/W	Ra>80	70°	>85%

Polar candela distribution plot

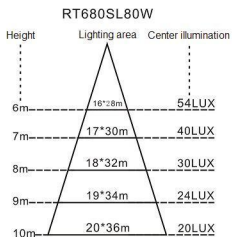
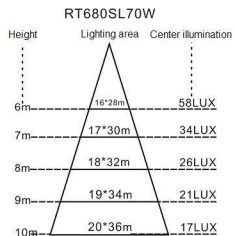
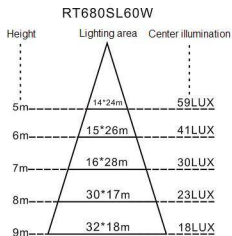


Lighting angle diagram



140°

Lighting performance



Mark: These data is only for your reference, if the testing equipment or environment is different, then the test result will be about 5% difference

Project picture



Installation

As per the pictures on the right side:

Wiring

AC Input Connecting Mark: N, , L

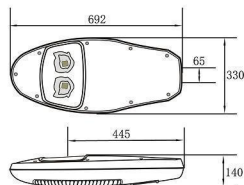
N: Neutral wire ; Ground wire L: Live wire

DC Input Connecting Mark: DC+ ⊕ DC-

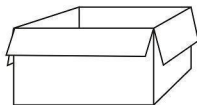
DC+: anode DC-: cathode

Note: 1. Must connect the ground wire

2. Make sure the product work well after turning on the light.



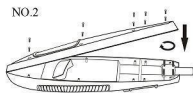
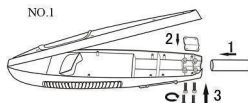
Packing size:



73×22×40cm

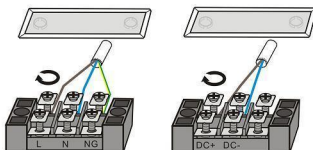
Caution

- Read the manual carefully before using the light in order to avoid the unexpected accident or damage.
- It's normal that, the temperature of light surface is a bit high.
- Do not change the mechanical design, circuit specifications components, do not add any other devices as this may cause the product short circuit or may create other unforeseen risks.
- The product is free maintenance. So please contact us directly if you have to repair it.



The arm diameter should be less than 60mm, and put the arm into the lamp about 100mm

Installation



Wire connection

Environmental Requirement:

1. Work Temperature: -40~55°C
2. Work Humidity: 10%~95%
3. Storage Humidity: 0%~60%
4. Storage environment: indoor, ventilation, no corrosively gas in the air.