

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:14.5kg
- Dimensions: 960x390x190mm

Electrical parameters

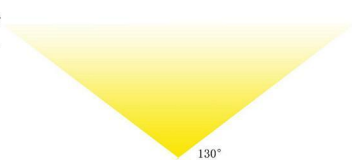
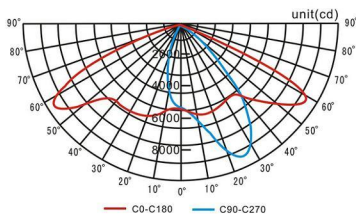
134W

Product Type	Work Voltage	Frequency	Consumption	Power of light	Efficiency	Power Factor
RT960SL-S120W	AC (100~240V)	50-60Hz	134W	120W	88% 90%	>0.9
RT960SL-S140W	AC (100~240V)	50-60Hz	158W	140W	88% 90%	>0.9
RT960SL-S160W	AC (100~240V)	50-60Hz	180W	160W	88% 90%	>0.9
RT960SL-S180W	AC (100~240V)	50-60Hz	200W	180W	88% 90%	>0.9

Optical parameters

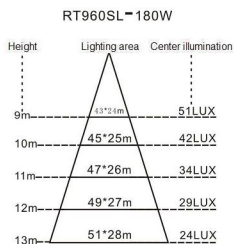
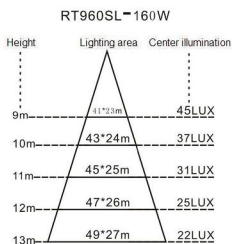
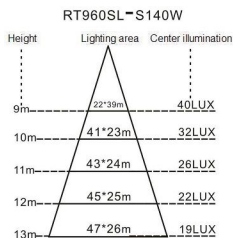
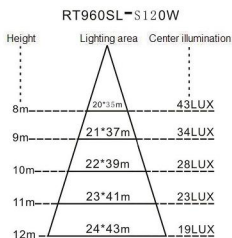
Product Type	Color temperature	Initial Luminous	Lighting efficiency	Colouration index	Beam	Power efficiency
RT960SL-S120W	2700K~7000K	10800~12000lm	90~100lm/W	Ra>80	65°	>85%
RT960SL-S140W	2700K~7000K	12600~14000lm	90~100lm/W	Ra>80	65°	>85%
RT960SL-S160W	2700K~7000K	14400~16000lm	90~100lm/W	Ra>80	65°	>85%
RT960SL-S180W	2700K~7000K	16200~18000lm	90~100lm/W	Ra>80	65°	>85%

Polar candela distribution plot



Lighting angle diagram

Lighting performance



Project picture

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



2

Operate instruction

Installation

As per the pictures on the right side:

Wiring

AC Input Connecting Mark: N, , L

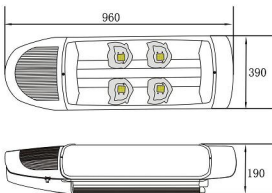
N: Neutral wire : Ground wire L: Live wire

DC Input Connecting Mark: DC+ ⊕ DC- ⊖

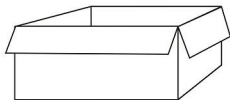
DC+: anode DC-: cathode

Note: 1. Must connect the ground wire

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



Packing size:

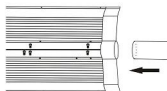


98×26×43cm

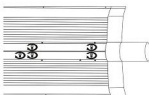
Caution

- 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.

NO.1

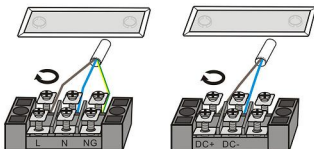


NO.2



The arm diameter should be less than 60mm,
and put the arm into the lamp about 550mm

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.