LED RETROFIT KIT

Date:..... Location: .....

Product:..... Project:.....

Quantity:..... Catalog# .....

## FEATURES

- Easily upgrade an existing high-output shoebox with LED.
- Easy install, with E39 socket, 270° rotatable.
- Internal fan and thermal sensor which keep the led cool working, Die-cast aluminium with high thermal conductivity
- Super bright led with 135lm/w efficiency with 5000k cool white.
- ETL DLC LISTED.

## SUITABLE APPLICATIONS

- Area Lighting/Path Lighting/Garden lighting
- Outdoor Pole/Arm-mounted Area and Roadway Luminaires

## LIGHT CHIPS

Use mid-power LM80 certified chips, Active color management maintains superior color consistency over time. Each kit is tuned as a complete system to the best color point before shipment, ensuring color consistency.

## THERMAL

High quality solid aluminum & metal-core PCB with internal fan and thermal sensor, which keep the heat away from the led. maintain long lifetime and efficacy, Active temperature monitor automatically dims when the led over-heat.

## OPTICAL

Wide beam angle allows the led kit to simulate existing pattern and achieve a uniform,even light appearance without dead spots.

## ELECTRICAL

High efficiency SOSEN driver with variable-input voltage range provides constant regulated power to the lamp. Built with superior components, the driver is designed to be durable and long lasting.

## WARRANTY:

5-year limited warranty. Actual performance may differ as a result of end-user environment and application.

## PERFORMANCE

| Model NO | PFC | Wattage | Voltage/Current Input | | Light Efficiency | Kelvin Options |
|---|---|---|---|---|---|---|
| | | | 120V | 277V | | |
| LSRT02-75L | >0.95 | 75W | 0.625A | 0.27A | 135LM/W | 5000K |
| LSRT02-120L | >0.95 | 120W | 1.0A | 0. 43A | 135LM/W | 5000K |
| LSRT02-150L | >0.95 | 150W | 1.25A | 0.54A | 135LM/W | 5000K |

## Electric Characteristic

| Specification/Model | LSRT02-75L | LSRT02-120L | LSRT02-150L |
|---|---|---|---|
| LED Driver | UL Driver | | |
| Input power | 75W | 120W | 150W |
| Lumens output | 10125LM | 16200LM | 20250LM |
| Efficiency | 135LM/W | 135LM/W | 135LM/W |
| CRI | ＞72 | ＞72 | ＞72 |
| Color Temperature | 5000K | 5000K | 5000K |
| Input voltage | 120-277V/AC | 120-277V/AC | 120-277V/AC |
| Light distribution type | 120° | 120° | 120° |
| Working temperature | -20+45℃ | -20+45℃ | -20+45℃ |
| Junction temperature | ＜75℃ | ＜75℃ | ＜75℃ |
| lamps efficiency | ⩾90% | ⩾90% | ⩾90% |
| Certificate | ETL CETL DLC | ETL CETL DLC | ETL CETL DLC |
| Equivalent | 150-250W MH/HPS | 250-350W MH/HPS | 350-600W MH/HPS |

## PRODUCT ORDERING GUIDE

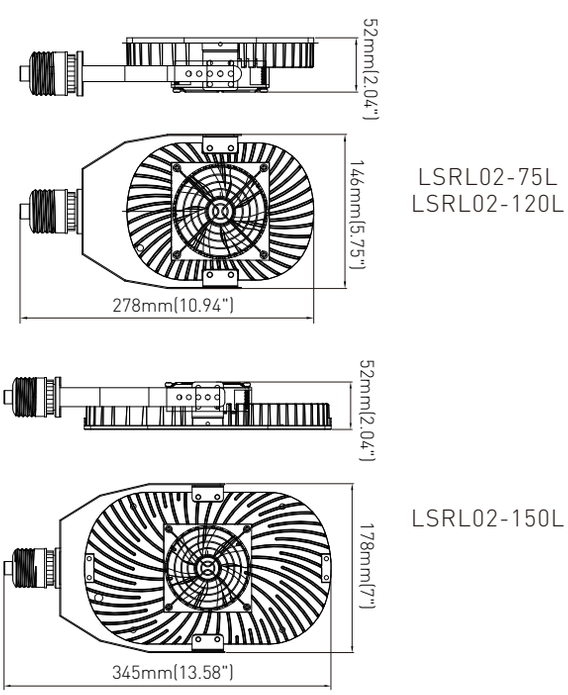
LSRT02-75L
1 2 3
LS RT02 – 75L

☑ LS Factory code

☑ RL02 LED Retrofit Kit

☑ 75L Power 75W

## Dimension:

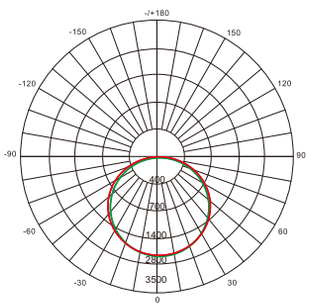



LSRL02-75L
LSRL02-120L

LSRL02-150L

## DISTRIBUTION DIAGRAM

LSRT02-75L




AVERAGE BEAM ANGLE(50%): 120°

UNIT:CD

C0/180,113.7

C30/210,100.1

C60/240,108.6

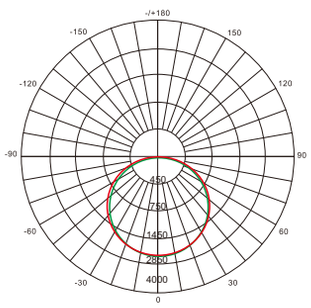
C90/270,130.9

Lumens:10125LM

Test Number:75W

Test Number:5000K

LSRT02-120L




AVERAGE BEAM ANGLE(50%): 120°

UNIT:CD

C0/180,113.7

C30/210,100.1

C60/240,108.6

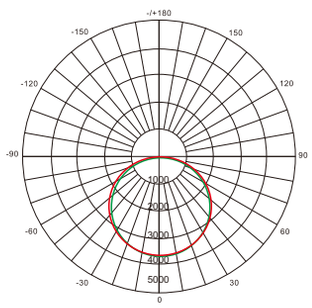
C90/270,130.9

Lumens:16200LM

Test Number:120W

Test Number:5000K

LSRT02-150L




AVERAGE BEAM ANGLE(50%): 120°

UNIT:CD

C0/180,113.7

C30/210,100.1

C60/240,108.6

C90/270,130.9

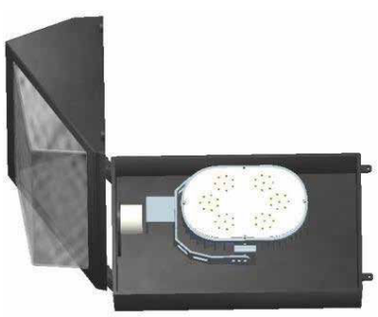
Lumens:20250LM

Test Number:150W

Test Number:5000K

## Installation

A) Bracket mounting system with E39 Mogul adapter for one head (250W, 400W replacements).



B) Custom fabricated plates, for two or three heads (400W, 1000W replacements)

1. Permanently remove the fixture's reflector. Retrofit warranty is void if the fixture's reflector is not removed. Under no circumstances is it ok to leave the reflector in the fixture. Remov ing the reflector provides extra air flow capacity that is used to keep the led head and driverCool.
2. Wipe excess dust from inside the fixture.
3. Never take the retrofit kit apart. There are no serviceable parts. Never touch the LED chips.this may void the warranty.
4. Remove bulb and existing ballast and/or cut the wires to the ballast and bypass it.
5. Be sure that nothing will touch or fall into the fan blades after the fixture is mounted.
6. Install the LED driver in place of the ballast. You may customize the driver mounting plate by drilling holes so that it will mount into the fixture's existing screw posts.
7. The proper AC input connections to the driver are marked on the driver. There is a Ground,ACN (Neutral) and ACL (Live).
8. Loosen the attachment nut off the Y-bracket/base assembly, screw the base into the fixture's socket. Use the adapter if needed. POWER DOES NOT COME FROM THE FIXTURE'S SOCKET. It only holds the bracket assembly in place. Position the Y-bracket in the desired direction and re-tighten nut.
9. Drver Output: connect red wire to corresponding wire of the LED light, and black wire to corresponding of the LED light, Mutual plug in 4Pin terminal.
.10. Remove the plastic cover from the led head. failure to do so will void the warranty.
11. Re-assemble remaining parts of the fixture and restore power.
12. When the light is on, the metal body will get hot. Do not touch.
13. Never install a dimming control on a non dimmable LED driver.

FOR CUSTOM BRACKET MEASUREMENTS

1. Provide interior dimensions of the fixtures.
2. Provide distance and location by measurement of screw holes that are securing the reflector.