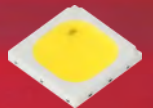


# Data Sheet

LL18SE-CBZ50150L51



MJT5050



## ■ Features & Typical Applications

- High efficiency
- Roadway Lighting
- Optimized for uniform effect
- Anti-glare

## ■ Table of Contents

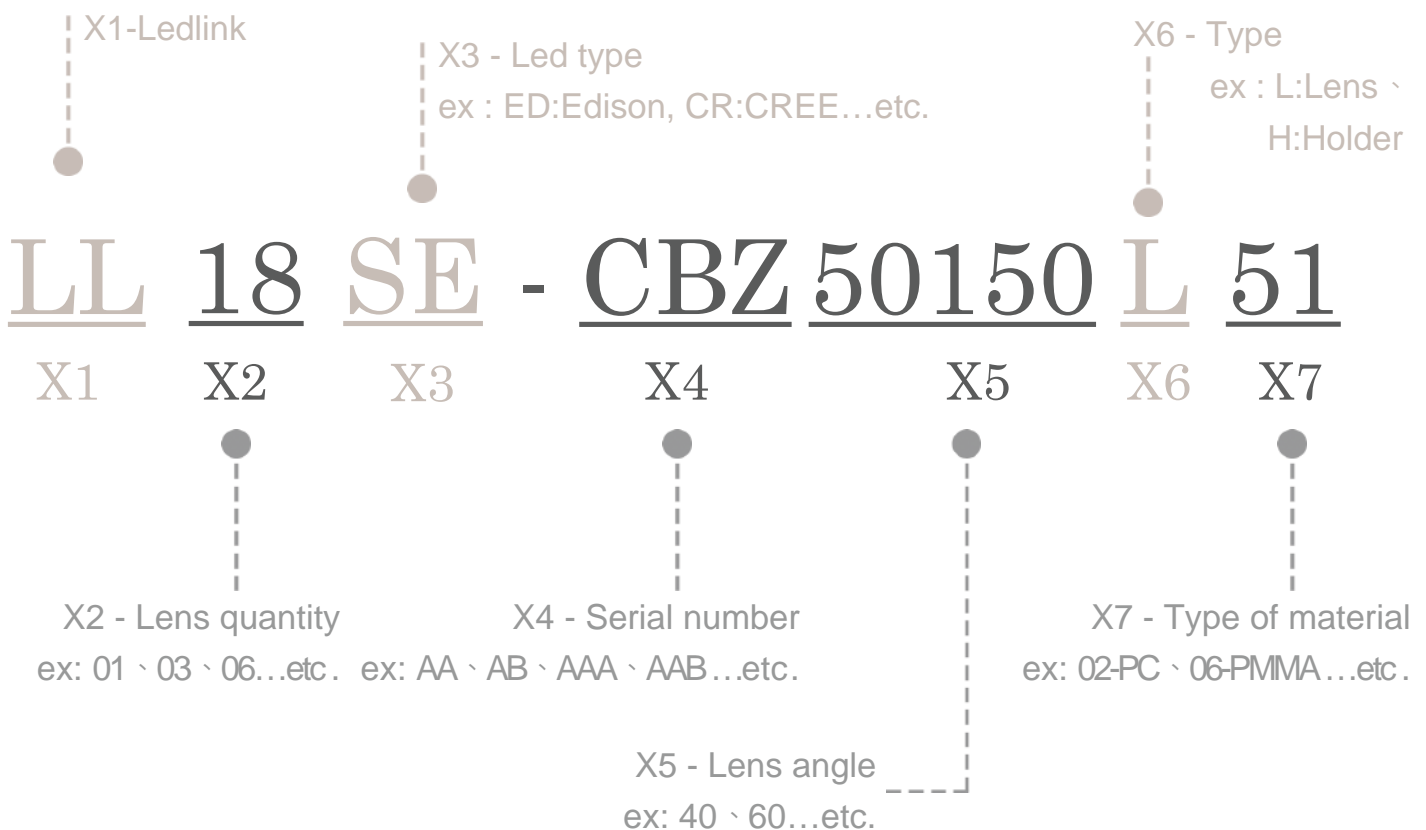
General Information & Product Nomenclature.....	P.2
Optical Specifications .....	P.3
Mechanical Specifications .....	P.4
Package Specifications .....	P.5

# LL18SE-CBZ50150L51

## General Information

- Lens Material : PC LEV2200KL
  - Waterproof Rubber : Silicone M40
  - Operating Temperature range  $-40^{\circ}\text{C} \sim +110^{\circ}\text{C}$  (upper limit  $+120^{\circ}\text{C}$ ).
  - Storage Temperature range  $-40^{\circ}\text{C} \sim +110^{\circ}\text{C}$  (upper limit  $+120^{\circ}\text{C}$ ).
  - \* Average transmittance in visible spectrum  $400\text{nm} \sim 700\text{nm} > 90\%$ .
- Usage and Maintenance:
1. If necessary, clean lenses with mild soap, water and soft cloth.
  2. Never use any commercial cleaning solvents on lenses, like alcohol.
  3. Please handle or install lenses with wearing gloves, skin oils may damage lens or its optical characteristic.

## Product Nomenclature



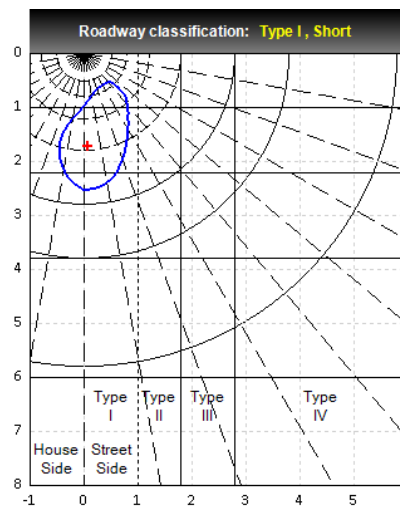
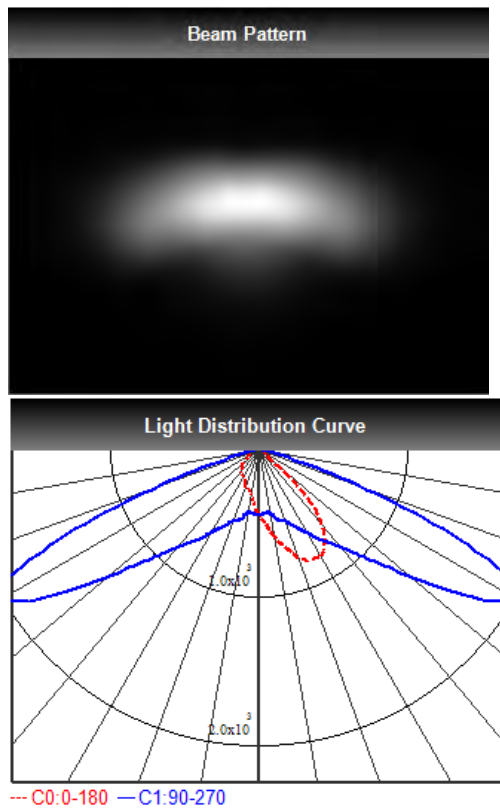
# LL18SE-CBZ50150L51 Optical Specifications



Note: (1) All the results of analysis are based on 0 degrees of elevation.  
 (2) Tolerance:  $\pm 10\%$ .  
 (3) Led Luminous Flux(lm): 2299( $\pm 5\%$ ).

IES File: [Download](#)

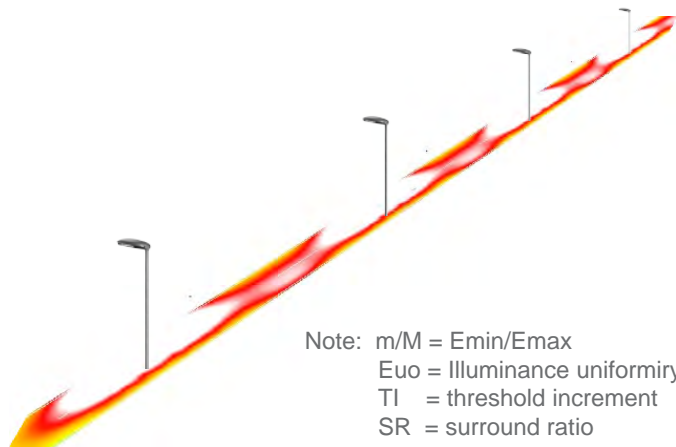
@elevation 0°



Elevation	Roadway Classification
0°	Type I, Short
5°	Type I, Short
10°	Type II, Short
15°	Type II, Short
20°	Type II, Short

## DIALux Simulation Result

Analyzed file: [Download](#)



Recommend configuration condition	
Height	= 10m
Distance	= 35m
Roadwidth	= 10.5m
Elevation	= 15degree
Overhang	= 1.5m
Result	
m/M	= 0.56
E <sub>uo</sub>	= 0.75
TI	= 6%
SR	= 0.59

\*The results would be similar if the configuration conditions are equally magnified or minified.

\*This testing result is obtained through testing the popular rank LED samples which provided by the original manufacturer. Hence, the testing results would be varied as the users choose same LED model but different rank.

\*The analyzed file require DIALux v4.12 and above to open.

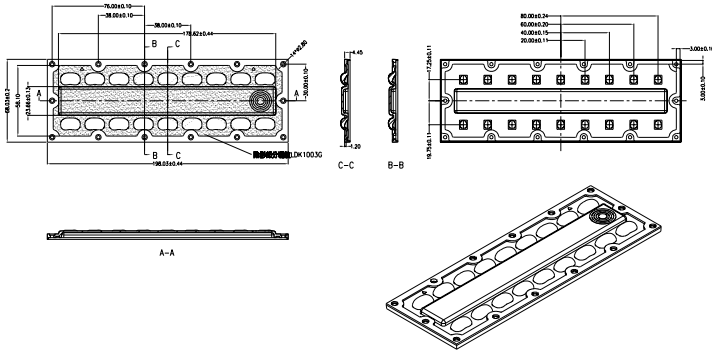
# LL18SE-CBZ50150L51 Mechanical Specification

## 1. Fixing method

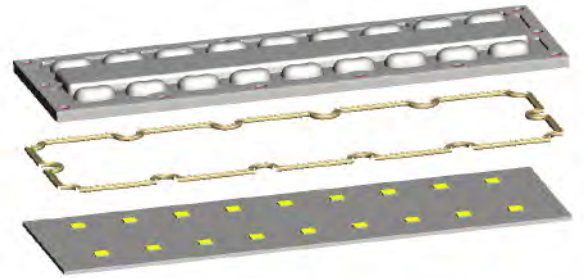
- Glue     
  Screw     
  Tape     
  Fixing-ring     
  Frame

Note: (1) All dimensions are in mm.  
 (2) All measurements are  $\pm 0.15$  mm unless otherwise indicated.

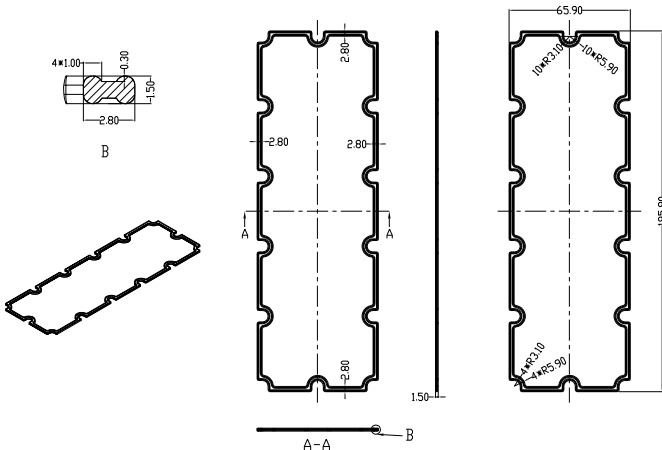
## 2. Lens dimension



## 3. Lens + Waterproof Rubber + MCPCB assembly instruction



## 4. Rubber dimension



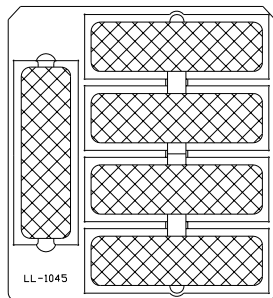
## 5. View assembly lens with MCPCB:



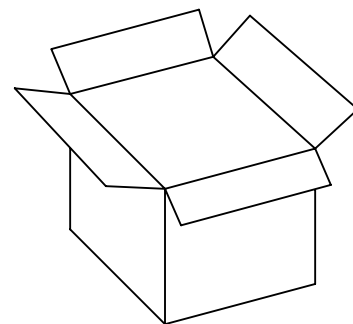
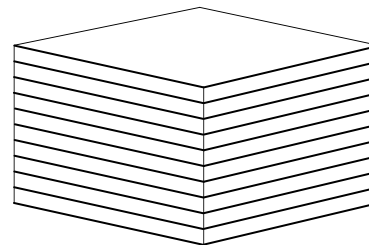
Waterproof Rubber Number : LL01A0XRQX2

# LL18SE-CBZ50150L51 Package Specifications

Item	Quantity	Total	Size(L*W*H)	G.W
plastic box	5 pcs/plastic box	5 pcs	33.5*30*2.2 cm	41g
outer box	15 plastic box/outer box	75 pcs	35*31*21 cm	



5 pcs/plastic box



75 pcs/outer box



**Note:**