

Data Sheet

LL04CR-BXJ80150L02

CREE 
 ▶ LED Solution Provider



Similar Products(Brightness Uniformity, Assymetry, Elevation needed)



■ Features & Typical Applications

- High efficiency
- Optimized for uniform effect
- Roadway Lighting

■ Table of Contents

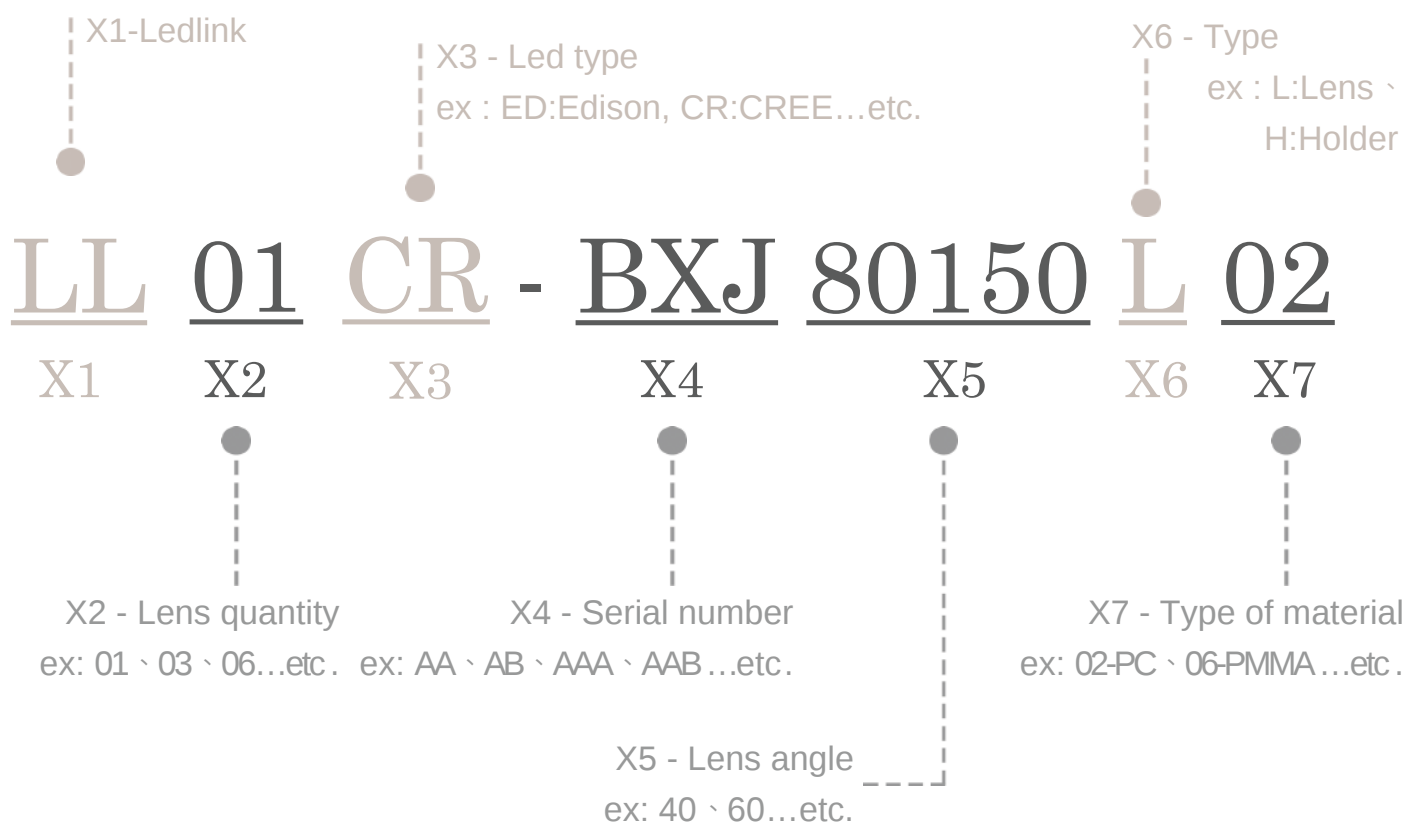
General Information & Product Nomenclature.....	P.2
Optical Specifications	P.3
Mechanical Specifications	P.4

LL04CR-BXJ80150L02

General Information

- Lens Material : PC LEV1700
- 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

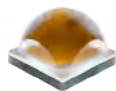


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Optical Specifications



► LED Solution Provider

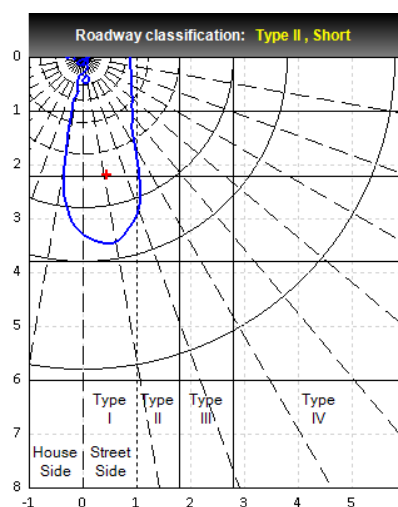
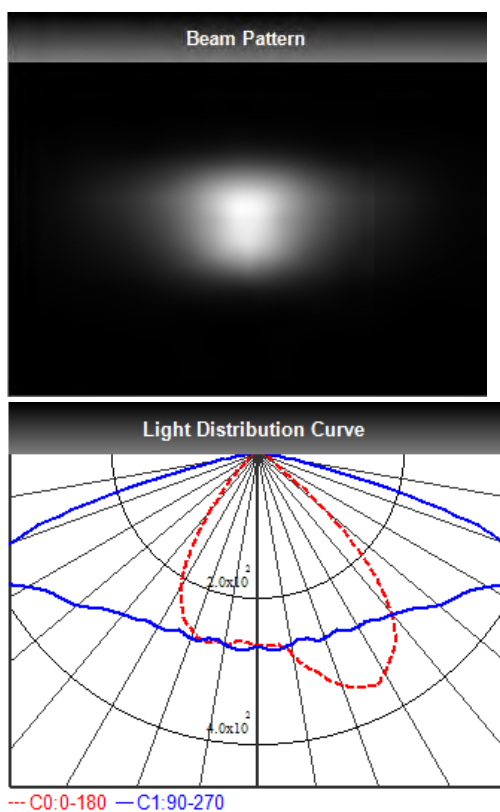


XP-L

Note: (1) All the results of analysis are based on 10 degrees of elevation.
(2) Tolerance: $\pm 10\%$.
(3) Led Luminous Flux(lm): 992($\pm 5\%$).

IES File: [Download](#)

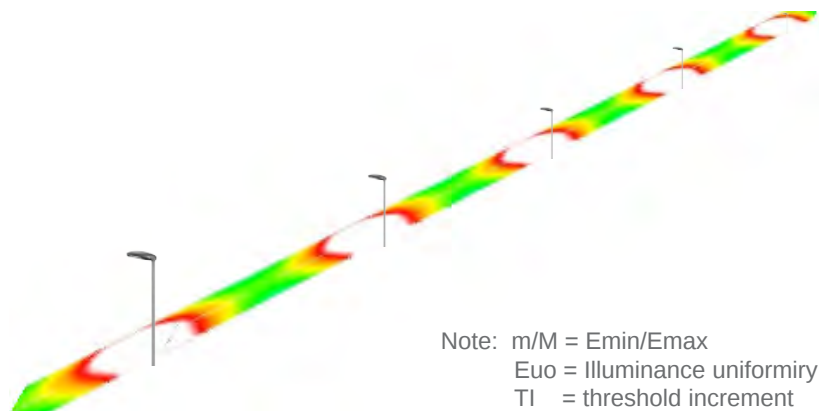
@elevation 0°



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

DIALux Simulation Result

Analyzed file: [Download](#)



Note: $m/M = E_{min}/E_{max}$
 E_{uo} = Illuminance uniformity
 TI = threshold increment
 SR = surround ratio

Recommend configuration condition

Height	=	10m
Distance	=	35m
Roadwidth	=	10.5m
Elevation	=	0degree
Overhang	=	0m

Result

UI	=	0.6
Uo	=	0.8
TI	=	10%
SR	=	0.7

*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 v4.11 and above to open.

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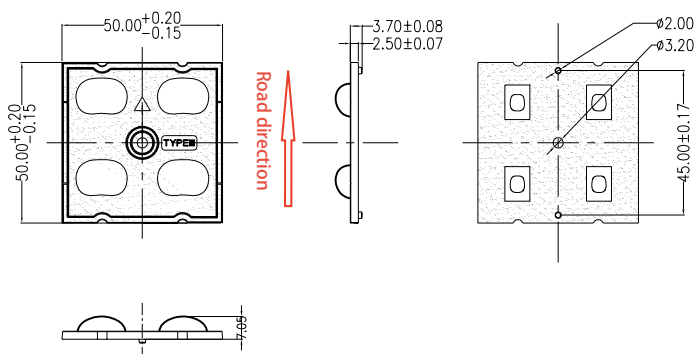
Mechanical Specification

1. Fixing method

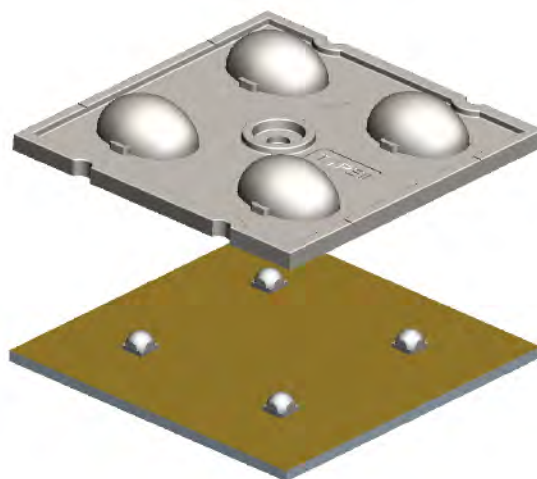
☒ Glue ☒ Screw ☐ Tape ☐ Fixing-ring ☐ Frame

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

2. Lens dimension



3. Lens + Leds + MCPCB assembly instruction



4. Assembly dimension

5. View assembly lens with MCPCB:

