

Data Sheet

LL01CR-PB70140L02



Xlamp XP-G



Similar Products(Illuminance Uniformity, Assymetry, Elevation needed)



LL24CR-AU75135L02



LL01CR-AU85135L02

■ Features & Typical Applications

- High efficiency
- Optimized for uniform effects
- Street Lights

■ Table of Contents

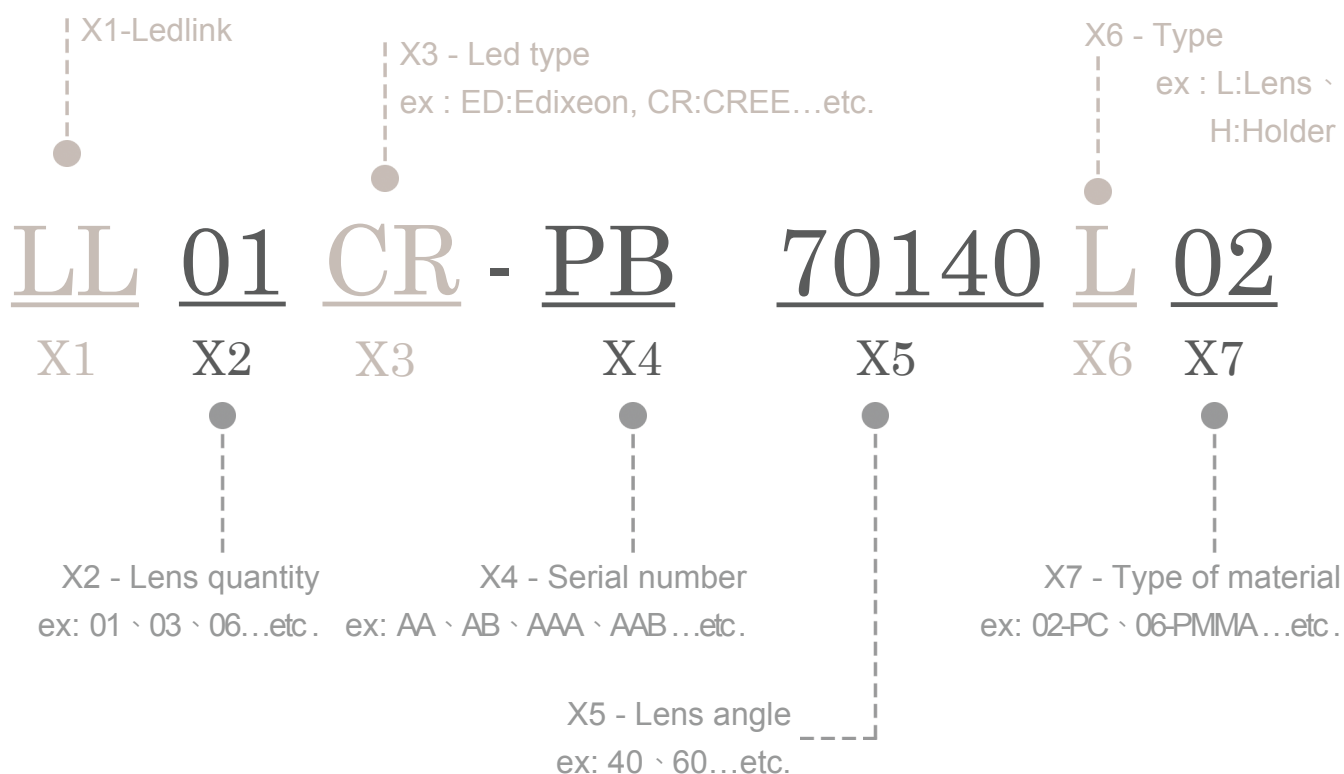
General Information & Product Nomenclature.....	P.2
Optical Specifications	P.3
Mechanical Specifications	P.4

LL01CR-PB70140L02

General Information

- Lens Material Optical Grade PC
- Operating Temperature range -40°C~+110°C(upper limit +120°C)
- Storage Temperature range -40°C~+110°C(upper limit +120°C)
 - * Average transmittance in visible spectrum 400nm~700nm>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



LL01CR-PB70140L02

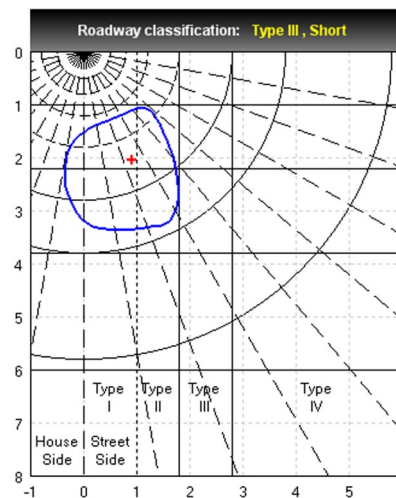
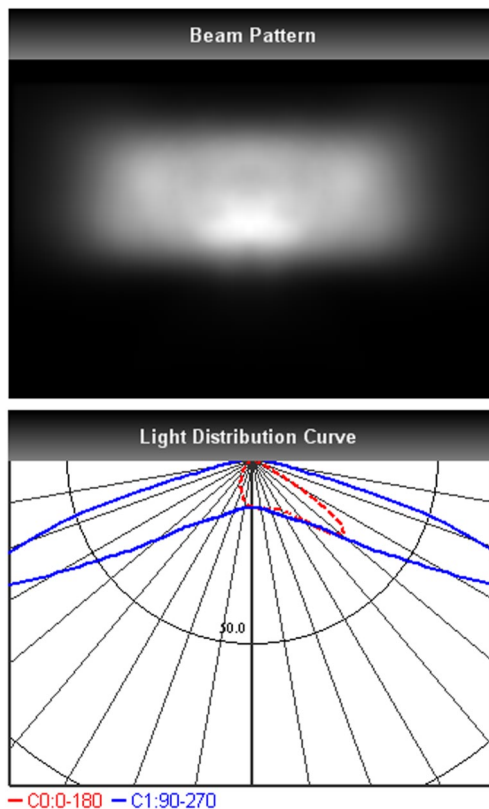
Optical Specifications



Note: (1) All the results of analysis are based on 15 degrees of elevation
(2) Tolerance: $\pm 10\%$

IES File: [Download](#)

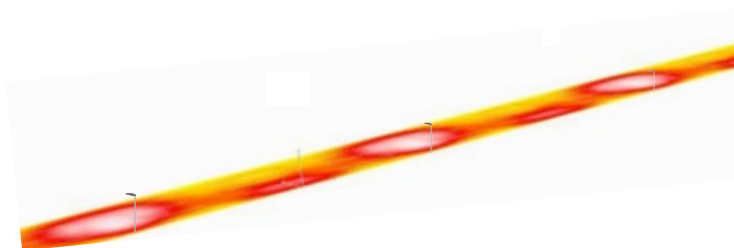
@elevation 15°



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

DIALux Simulation Result

Analyzed file: [Download](#)



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

Recommend configuration condition

Height	=	10m
Distance	=	40m
Roadwidth	=	14m
Elevation	=	15degree
Overhang	=	2m

Result

m/M	=	0.6
Euo	=	0.8
TI	=	22%
SR	=	0.5

*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 v4.10 and above to open.

LL01CR-PB70140L02

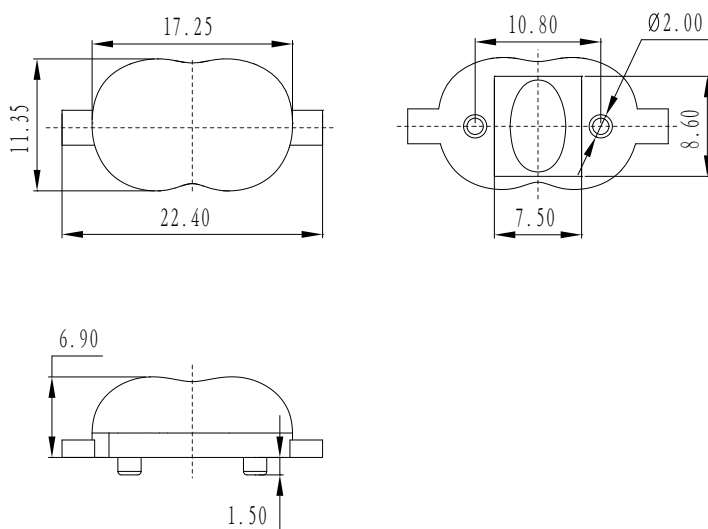
Mechanical Specification

1. Fixing method

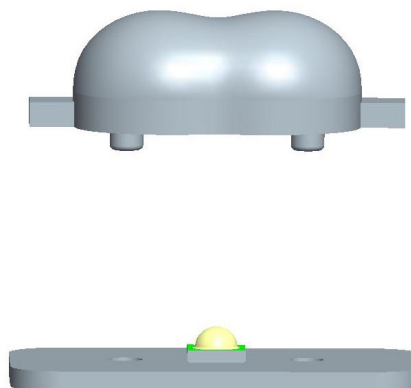
Note: (1) All dimensions are in mm.
 (2) All measurements are ± 0.15 mm unless otherwise indicated.

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

2. Lens dimensions



3. Lens + Leds + MCPCB assembly instruction



4. Lens assembly dimensions

4. View assembly lens with MCPCB:

