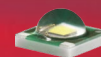


Data Sheet

LL01CR-KM6090L02



Xlamp XP-E



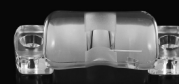
Similar Products(Illuminance Uniformity, Symmetry)



LL01CR-OG85150L02



LL01CR-FT60135L02



LL01OS-AU60130L02

■ Features & Typical Applications

- High efficiency
- Optimized for uniform effects
- Street Lights

■ Table of Contents

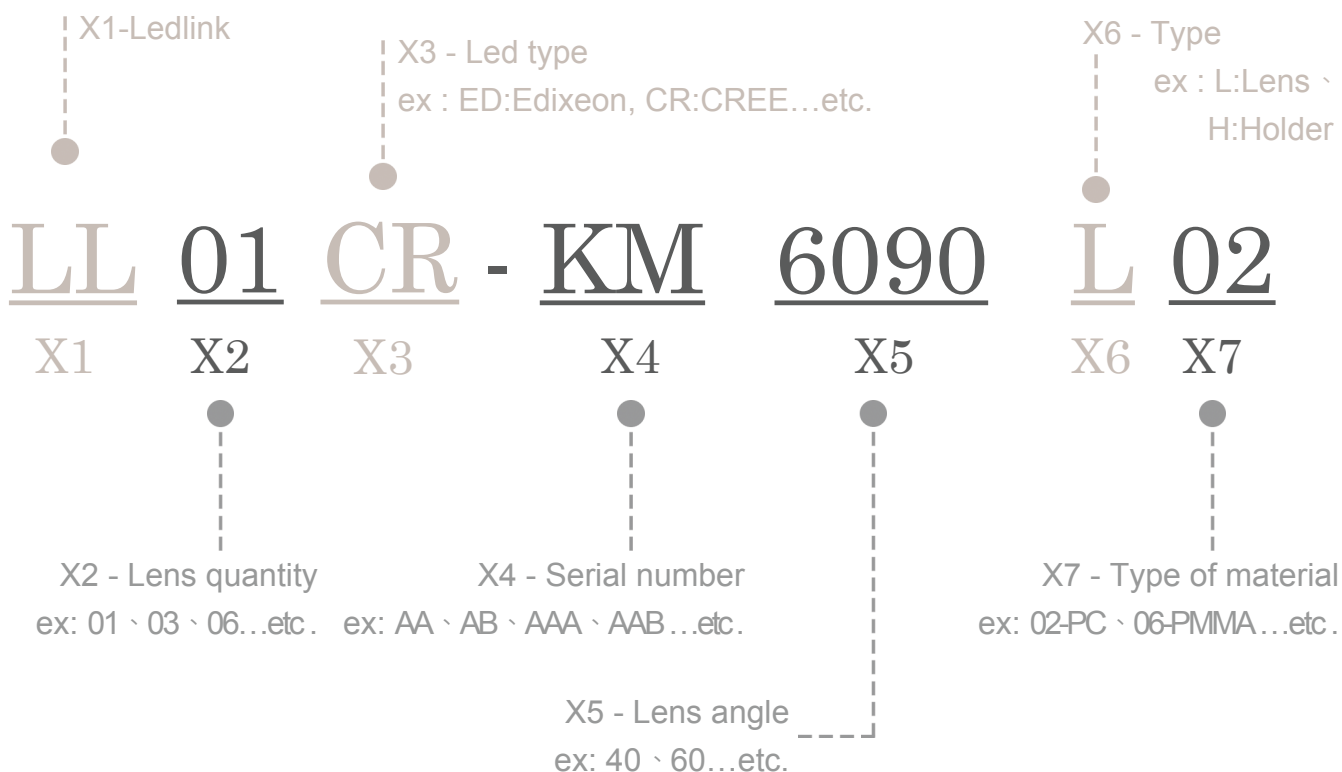
General Information & Product Nomenclature.....	P.2
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LL01CR-KM6090L02

General Information

- Lens Material Optical Grade PC
- 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



LL01CR-KM6090L02

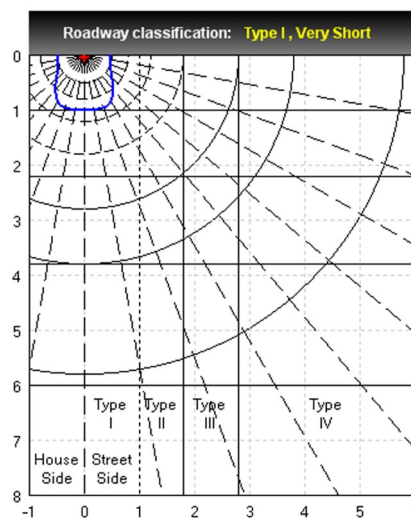
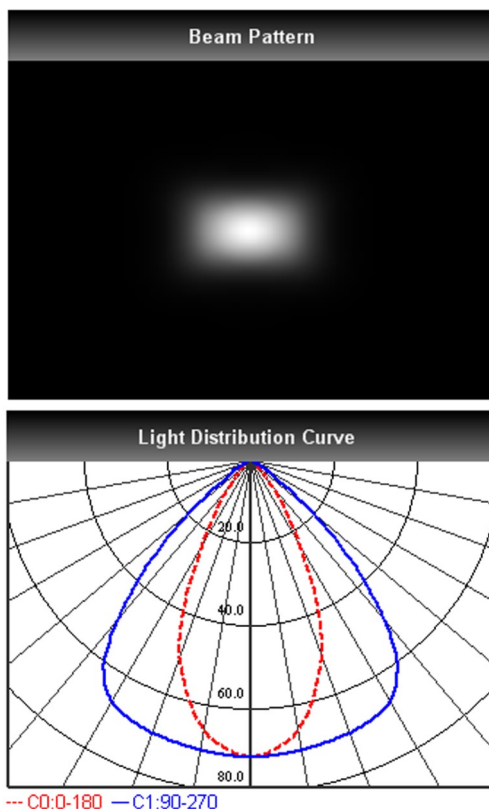
Optical Specifications



Note: (1) All the results of analysis are based on 0 degrees of elevation
(2) Tolerance: $\pm 10\%$

IES File: [Download](#)

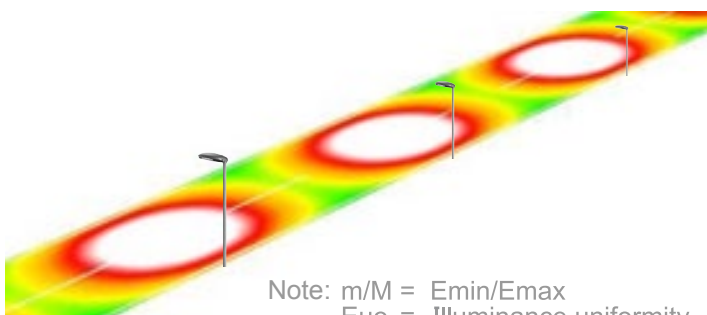
@elevation 0°



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

DIALux Simulation Result

Analyzed file: [Download](#)



Note: m/M = E_{min}/E_{max}
Eu0 = Illuminance uniformity
TI = threshold increment
SR = surround ratio

Recommend configuration condition

Height	=	10m
Distance	=	18m
Roadwidth	=	7m
Elevation	=	0 degree
Overhang	=	3.5m

Result

m/M	=	0.5
Eu0	=	0.7
TI	=	1%
SR	=	0.4

*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-KM6090L02

Mechanical Specification

1. Fixing method

☒ Glue

☐ Screw

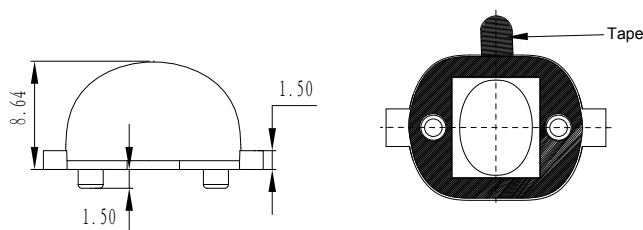
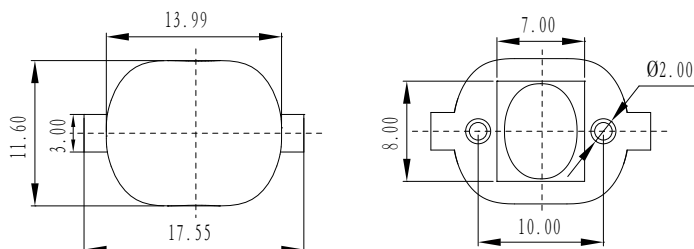
☒ Tape

☐ Fixing-ring

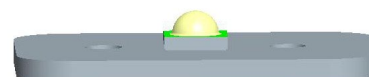
☒ Frame

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

2. Lens dimensions



3. Lens + Leds + MCPCB assembly instruction



4. Lens assembly dimensions

5. View assembly lens with MCPCB:

