

# Data Sheet

## LL01CR-AU85135L02



Xlamp XP-G



Similar Products(Illuminance Uniformity, Assymetry, Elevation needed)



LL24CR-AU75135L02



LL01CR-PB70140L02



LL20CR-VK60140L02

### ■ Features & Typical Applications

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

### ■ Table of Contents

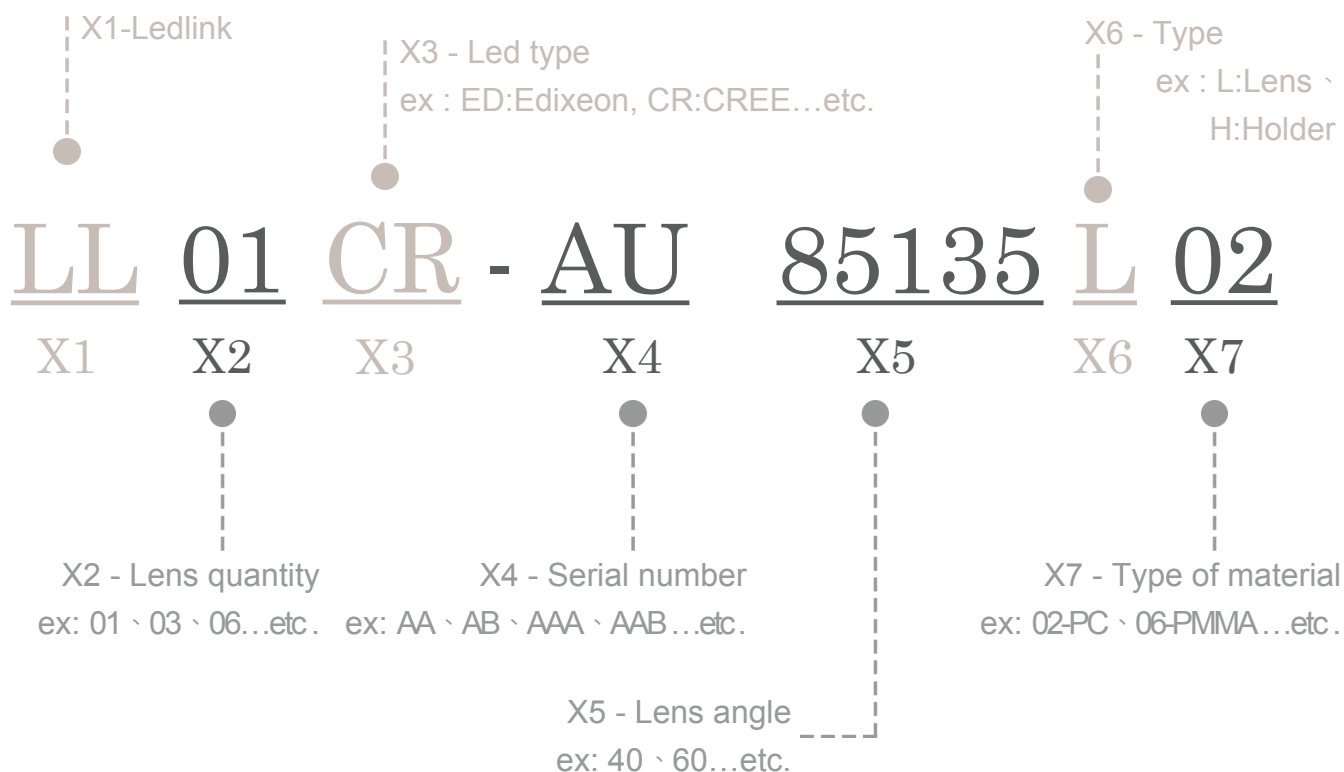
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# LL01CR-AU85135L02

## 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-AU85135L02

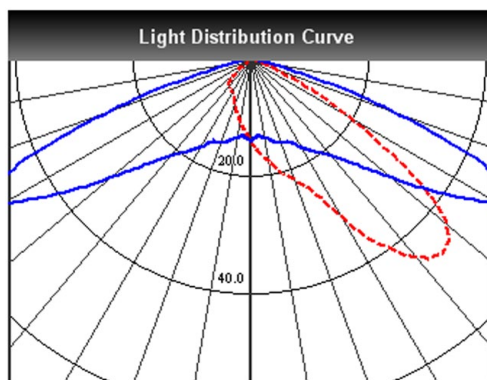
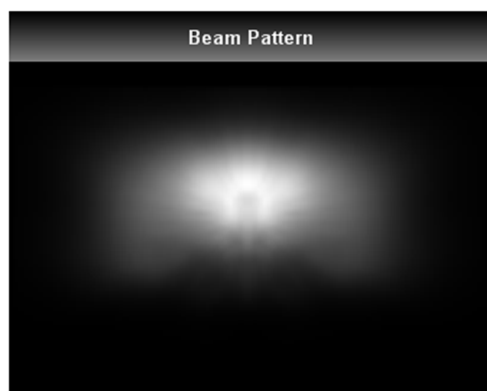
## Optical Specifications



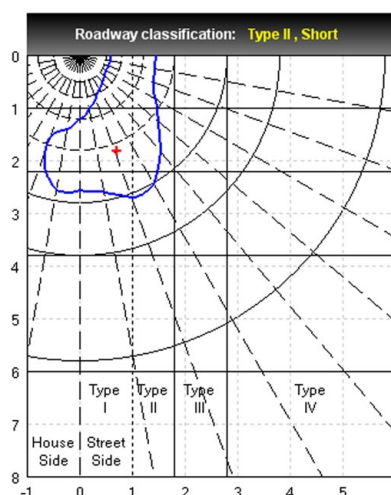
Note: (1) All the results of analysis are based on 15 degrees of elevation.  
 (2) Tolerance:  $\pm 10\%$ .  
 (3) Led Luminous Flux(lm): 111( $\pm 5\%$ ).

IES File: [Download](#)

@elevation 15°



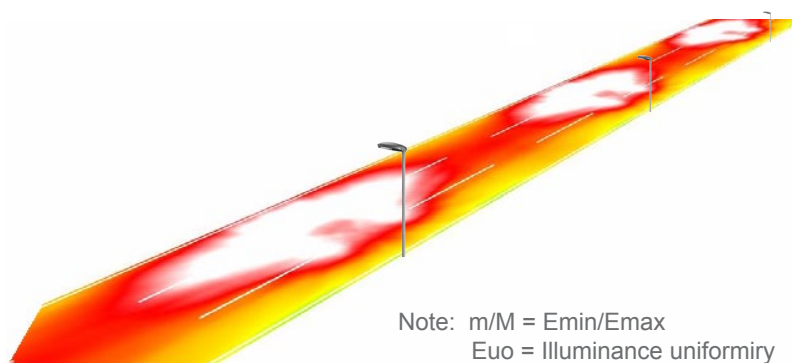
---C0:0-180 ---C1:90-270



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

### 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  | = | 30m      |
| Roadwidth | = | 10.5m    |
| Elevation | = | 15degree |
| Overhang  | = | 1m       |

#### Result

|     |   |     |
|-----|---|-----|
| m/M | = | 0.6 |
| Euo | = | 0.7 |
| TI  | = | 8%  |
| SR  | = | 0.6 |

\*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.

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# LL01CR-AU85135L02

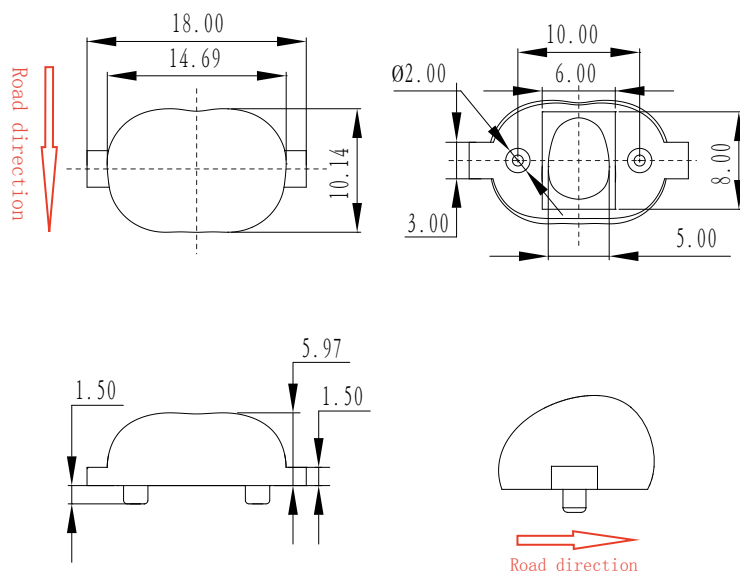
## Mechanical Specification

### 1. Fixing method

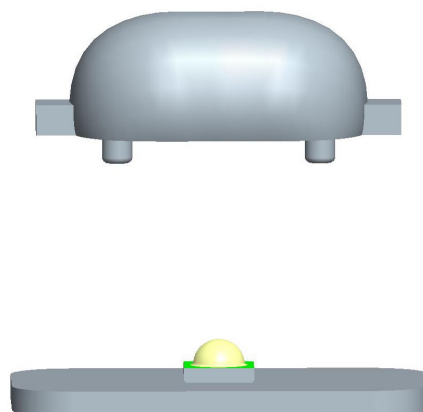
Note: (1) All dimensions are in mm.  
(2) All measurements are  $\pm 0.15$  mm unless otherwise indicated.

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

### 2. Lens dimensions

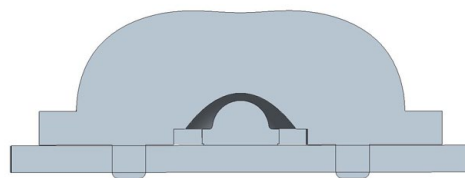


### 3. Lens + Leds + MCPCB assembly instruction



### 4. Lens assembly dimensions

### 5. View assembly lens with MCPCB:



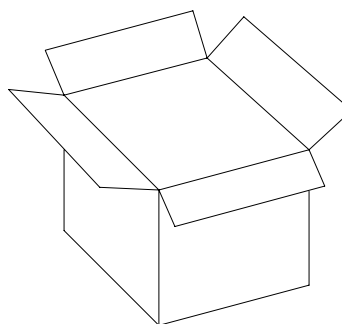
# LL01CR-AU85135L02

## Package Specifications

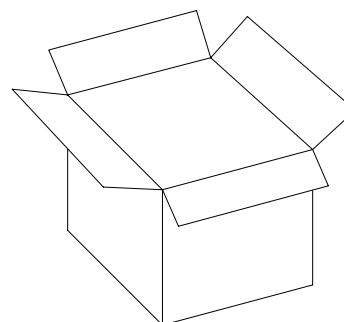
| Item          | Quantity                      | Total    | Size(L*W*H)   | G.W  |
|---------------|-------------------------------|----------|---------------|------|
| Inner package | 200pcs/plastic vacuum package | 200pcs   | 15*20cm       | 0.7g |
| Inner box     | 40package/Inner box           | 8000pcs  | 29*29*22cm    |      |
| Outer box     | 2 Inner box/Outer box         | 16000pcs | 60*31*25.8 cm |      |



200pcs/Plastic vacuum package



40 package/Inner box



2 Inner box/Outer box



**Note:**