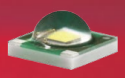
LedLink
Linking LEDs to The Real World

V1.0_20120924

Data Sheet
LL28CR-UI65140L02

CREE



Xlamp XP-E

Similar Products(Brightness Uniformity, Assymmetry, Elevation needed)

LL01ZZ-AGX45155L02

LL01LU-AEV50150L02

Features & Typical Applications

- High efficiency
- Optimized for uniform effects
- Street Lights

Table of Contents

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LL28CR-UI65140L02

General Information

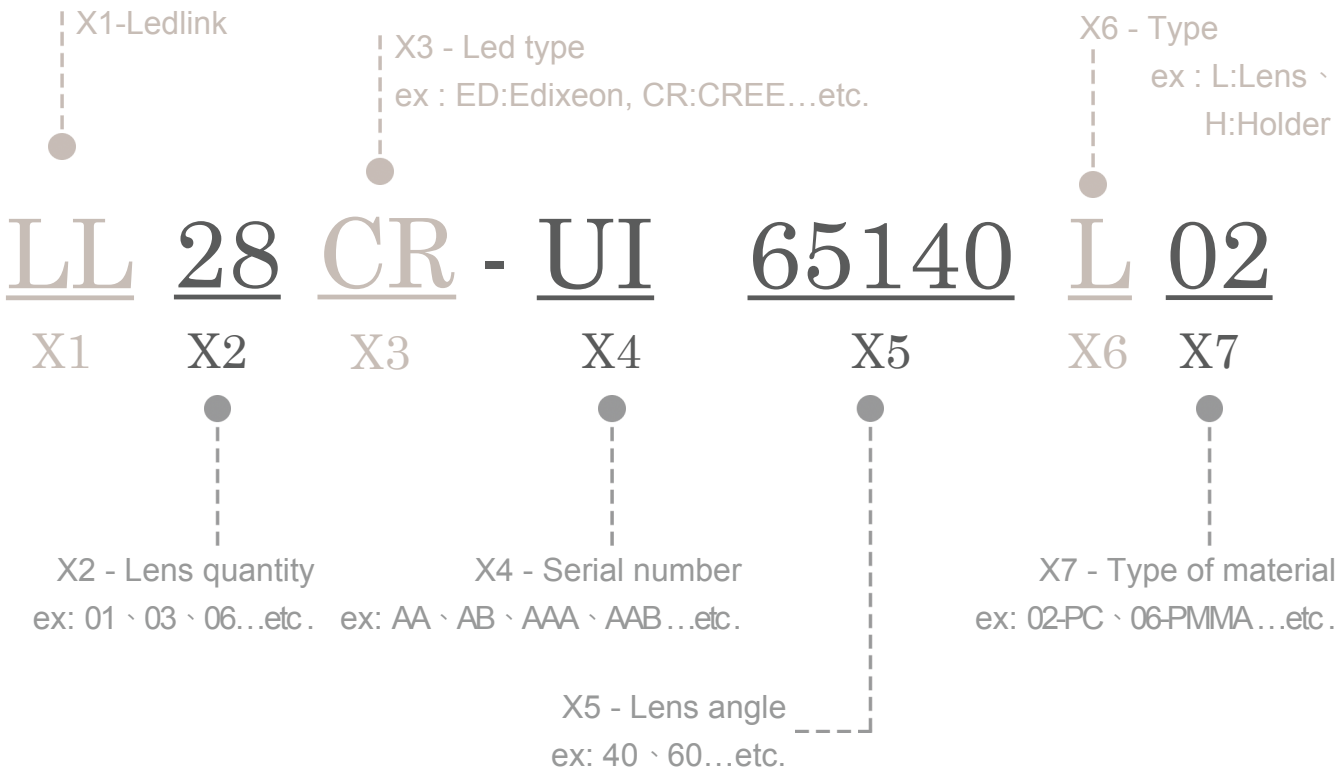
- Lens Material Optical Grade PC
- Operating Temperature range -40℃~+110℃(upper limit +120℃)
- Storage Temperature range -40℃~+110℃(upper limit +120℃)

  * 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



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Optical Specifications

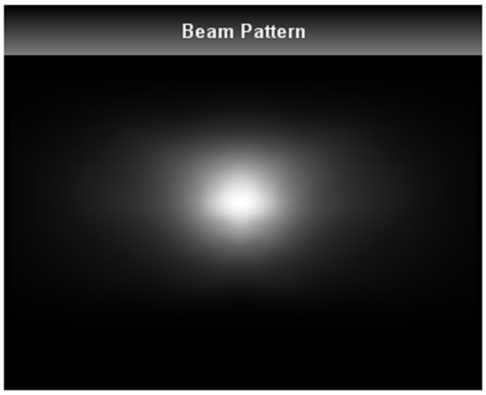
CREE

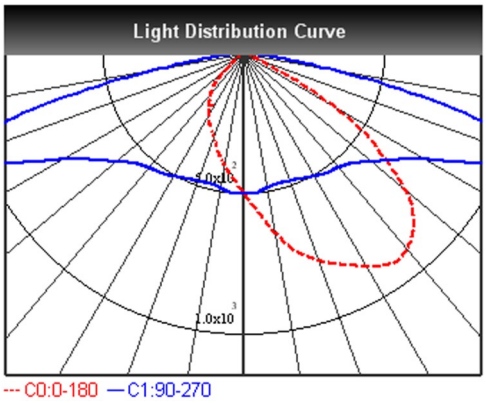
Xlamp XP-E

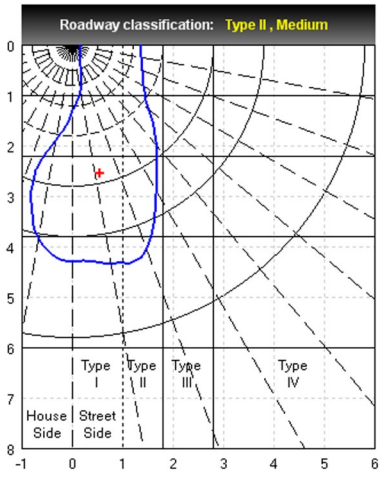
Note: (1) All the results of analysis are based on 0 degrees of elevation.
(2) Tolerance: ±10%.
(3) Led Luminous Flux(lm): 100(±5%).

IES File: Download

@elevation 10°



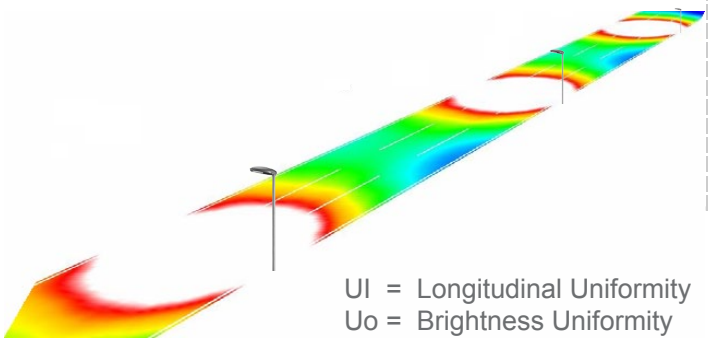




Elevation	Roadway Classification
0°	Type II , Short
5°	Type II , Medium
10°	Type II , Medium
15°	Type III , Medium
20°	Type III , Medium

DIALux Simulation Result

Analyzed file: Download



UI = Longitudinal Uniformity
Uo = Brightness Uniformity
TI = Threshold Increment
SR = Surround Ratio

Recommend configuration condition		
Height	=	10m
Distance	=	40m
Roadwidth	=	10.5m
Elevation	=	10degree
Overhang	=	2m

Result		
UI	=	0.8
Uo	=	0.5
TI	=	15%
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 reqire DIALux v4.10 and above to open.**

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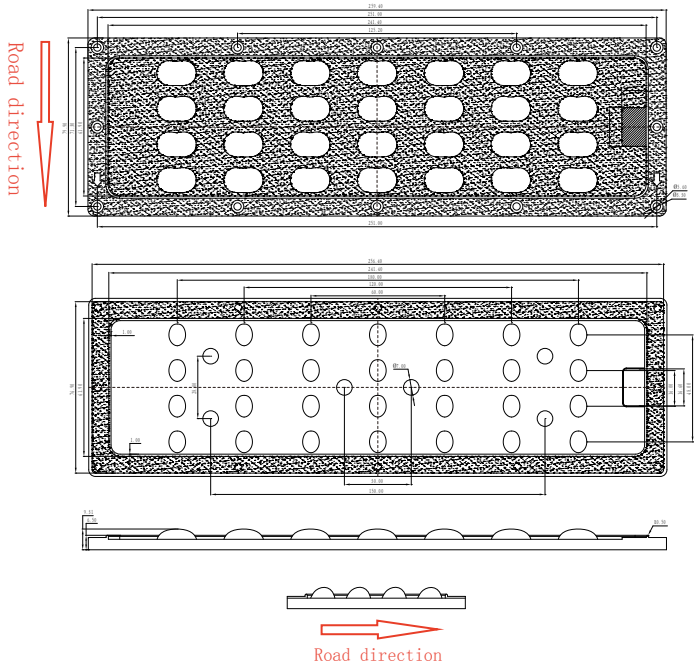
Mechanical Specification

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

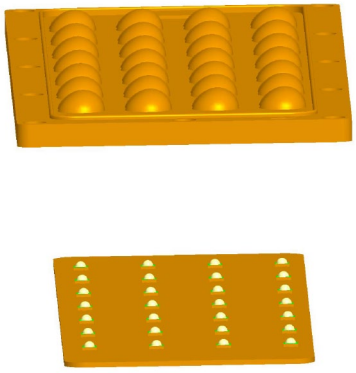
1.Fixing method

☐ 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:

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