

Data Sheet

LL30CR-PT60140L02



Xlamp XP-E



Similar Products(Illuminance Uniformity, Brightness Uniformity, Assymetry,Elevation needed)



LL01LU-UQ70140L02

■ Features & Typical Applications

- High efficiency
- Optimized for uniform effects
- Street Lights

■ Table of Contents

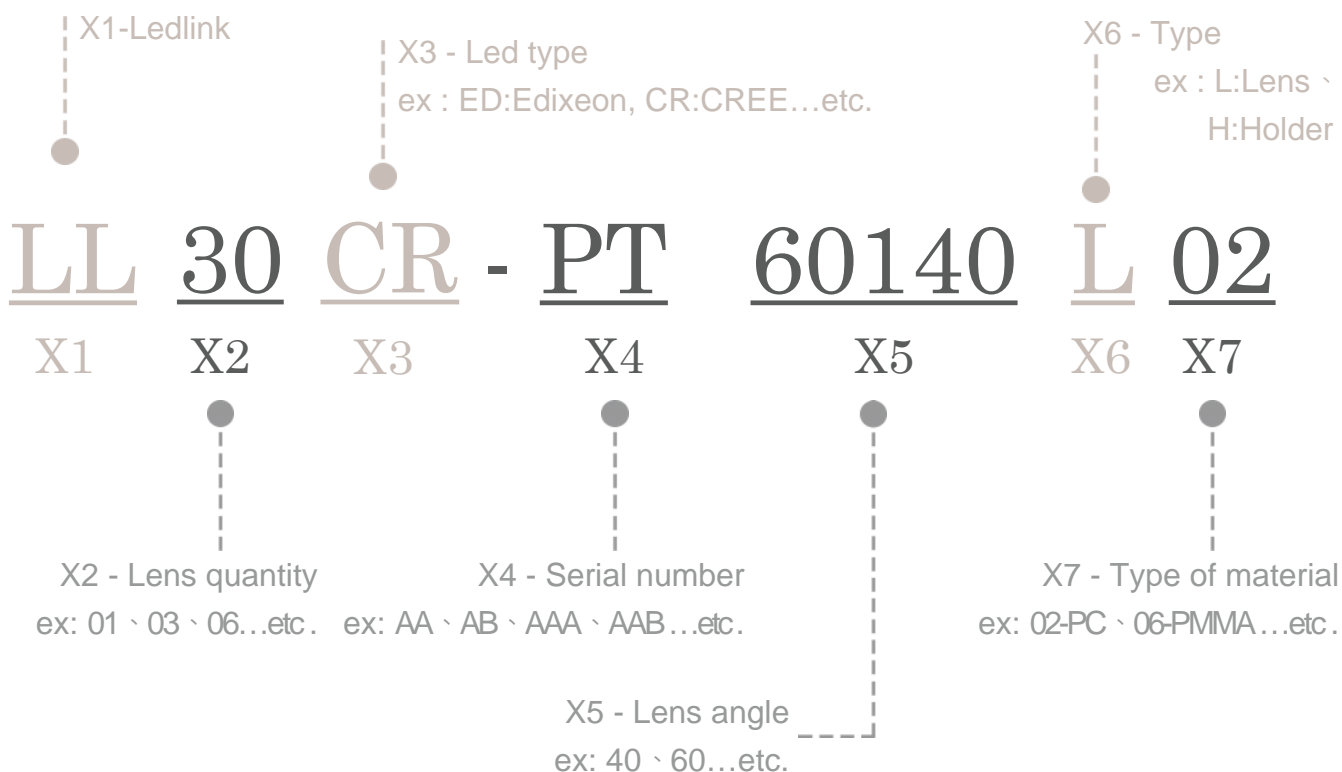
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LL30CR-PT60140L02

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



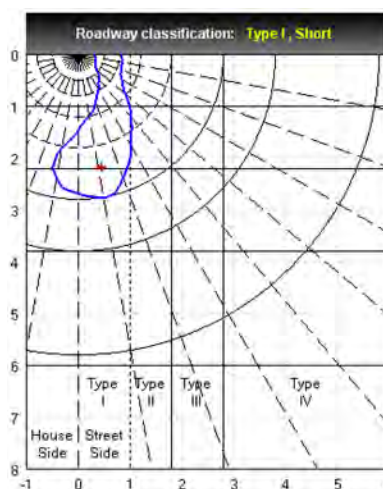
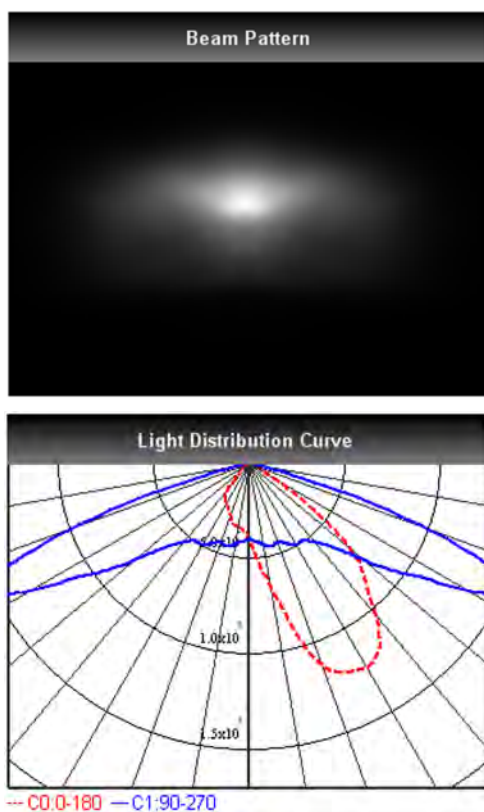
LL30CR-PT60140L02 Optical Specifications



Note: (1) All the results of analysis are based on 15 degrees of elevation.
(2) Tolerance: $\pm 10\%$.
(3) Led Luminous Flux(I_m): 100($\pm 5\%$).

IES File: [Download](#)

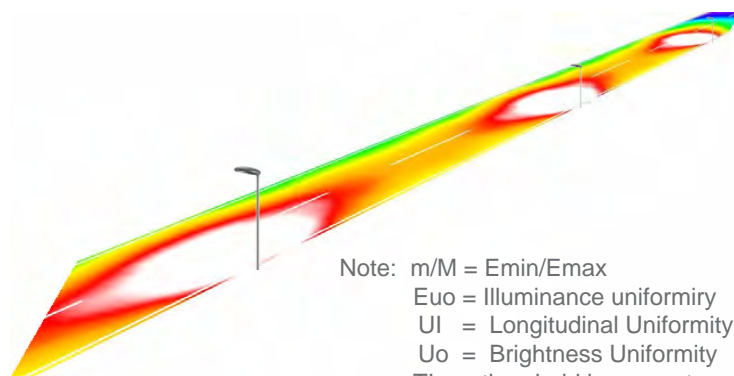
@elevation 15°



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

DIALux Simulation Result

Analyzed file: [Download](#)



Note: m/M = E_{min}/E_{max}
E_{uo} = Illuminance uniformity
UI = Longitudinal Uniformity
U_o = Brightness Uniformity
TI = threshold increment
SR = surround ratio

Recommend configuration condition		
Height	=	10m
Distance	=	30m
Roadwidth	=	7m
Elevation	=	15degree
Overhang	=	-2m
Result		
UI	=	0.7
U _o	=	0.4
m/M	=	0.4
E _{uo}	=	0.7
TI	=	7%
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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Mechanical Specification

1. Fixing method

☐ Glue

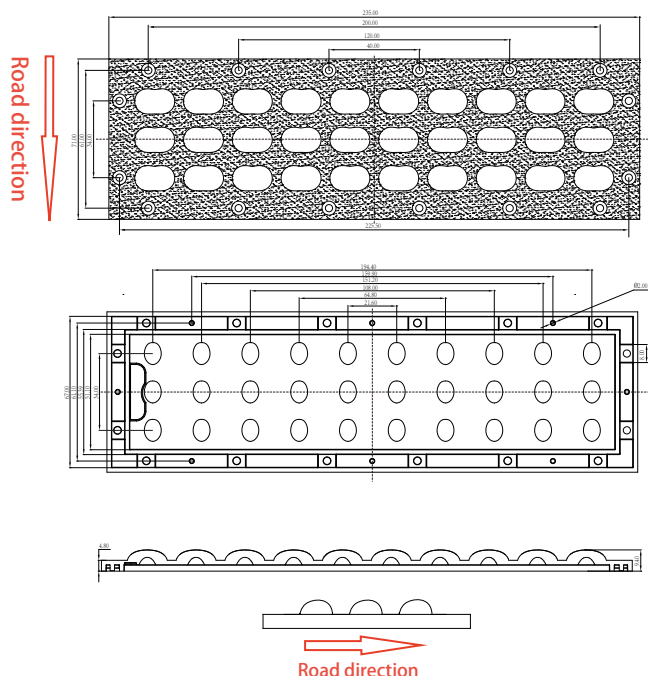
☐ Screw

☐ Tape☐ Fixing-ring

■ Frame

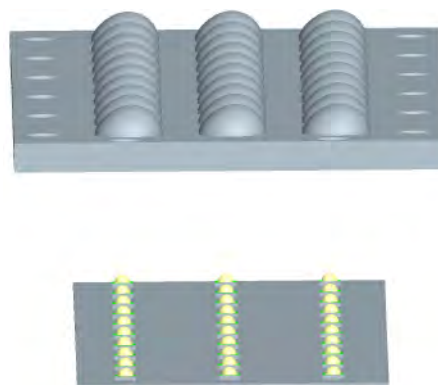
Note: (1) All dimensions are in mm.
(2) All measurements are ± 0.15 mm unless otherwise indicated.

2.Lens dimensions



4. Lens assembly dimensions

3. Lens + Leds + MCPCB assembly instruction



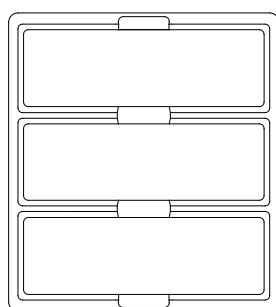
5. View assembly lens with MCPCB:



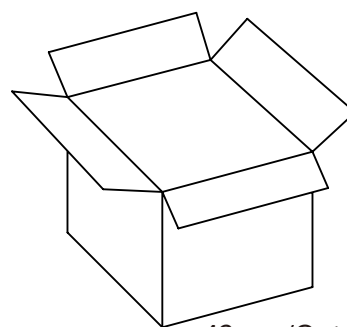
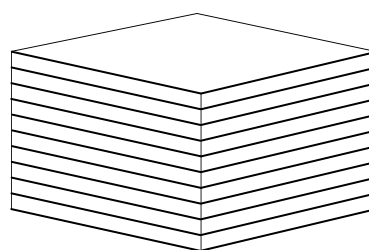
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Package Specifications

Item	Quantity	Total	Size(L*W*H)	G.W
Inner box		3 pcs	32*29*1.2 cm	74.8g
Outer box	42 pcs/box	42 pcs	35*31*21 cm	
Outer box				



3 pcs/Inner box



42 pcs/Outer box



Note: