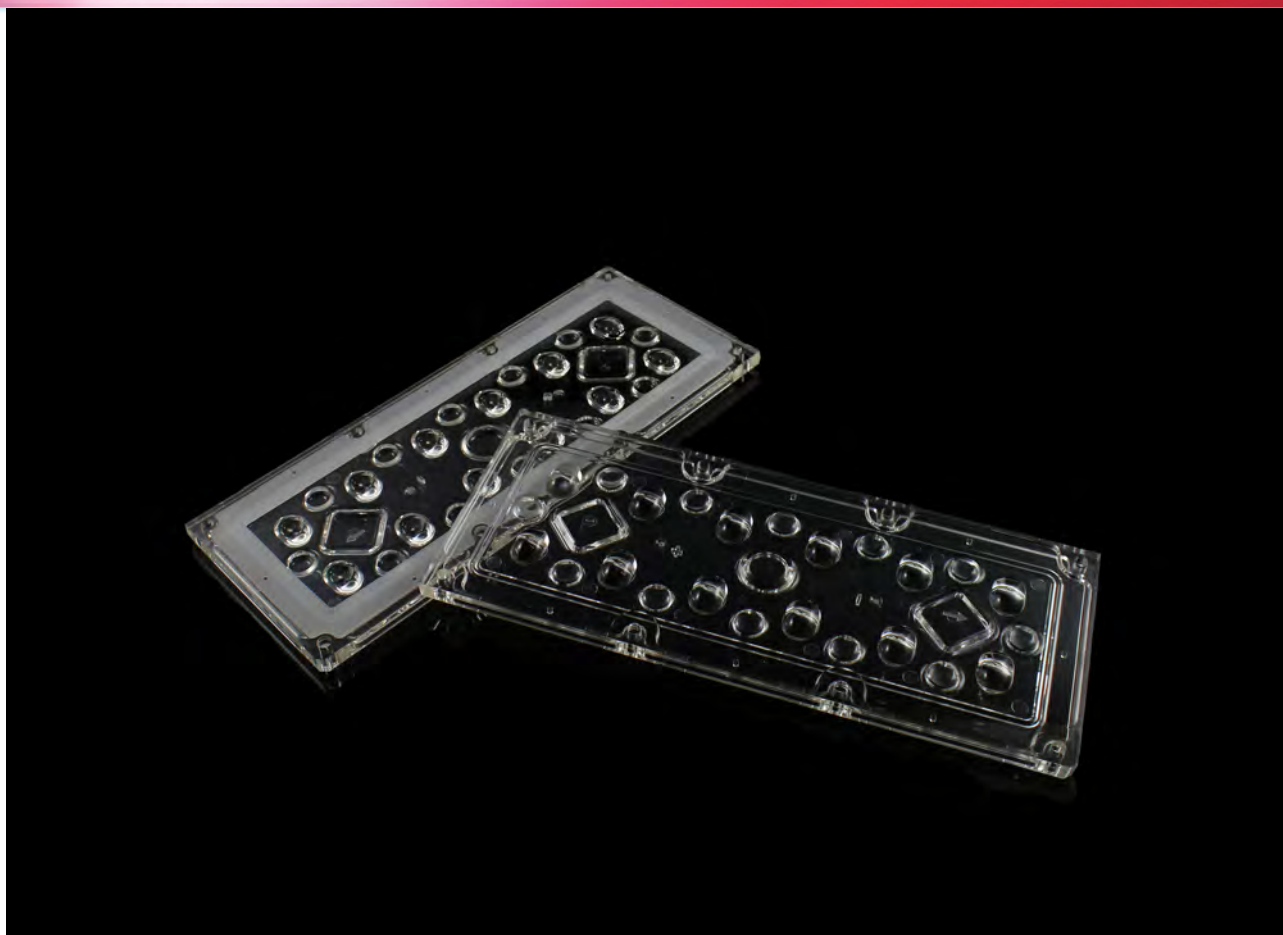


Data Sheet

LL12CR-CUQ60145L19

CREE 
► LED Solution Provider



Features & Typical Applications

- High efficiency
- Optimized Uniformity
- Roadway Lighting
- Anti-glare

Table of Contents

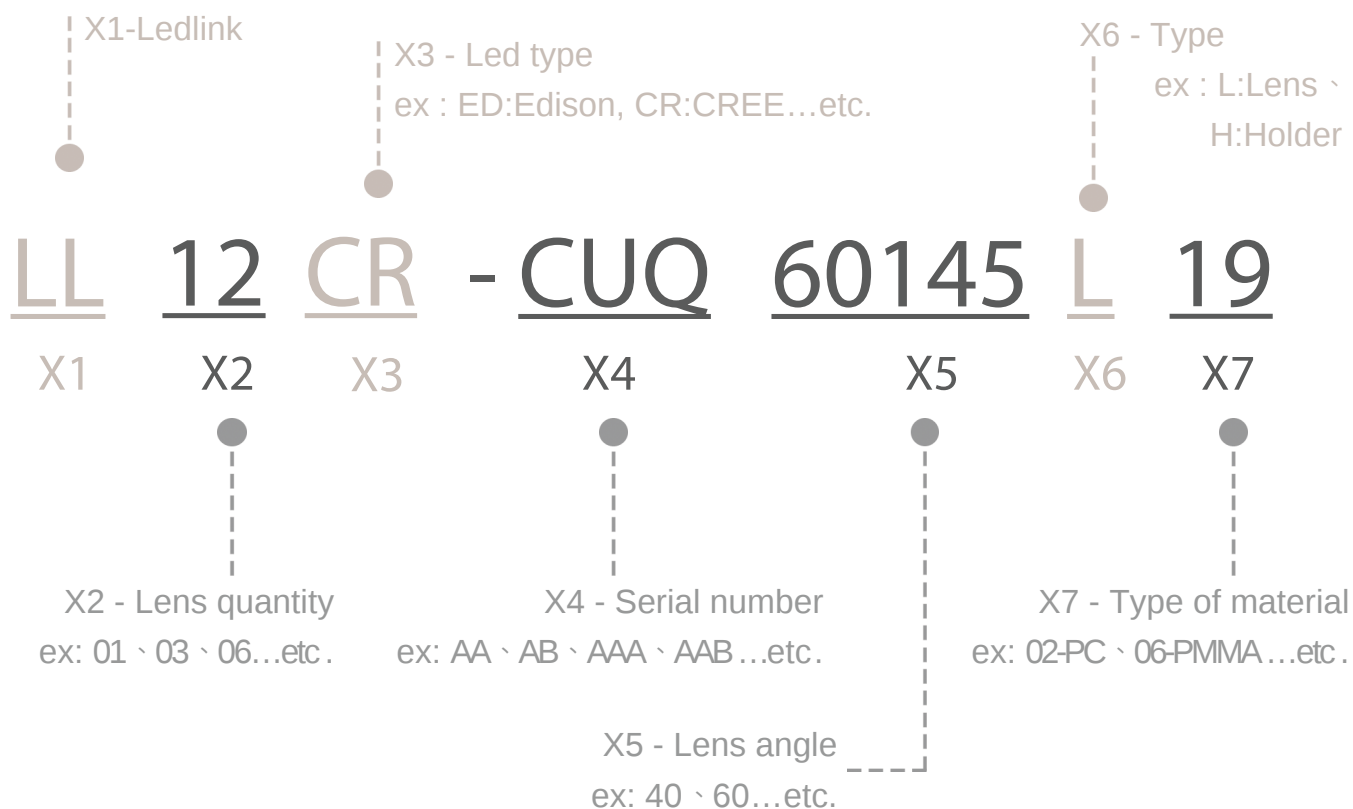
General Information & Product Nomenclature.....	P.2
Optical Specifications	P.3
Mechanical Specifications	P.4
Package Specifications	P.5

LL12CR-CUQ60145L19

General Information

- Lens Material : PC 1250Z
- Waterproof Rubber : Silicone M40
- 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

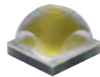


LL12CR-CUQ60145L19

Optical Specifications



LED Solution Provider

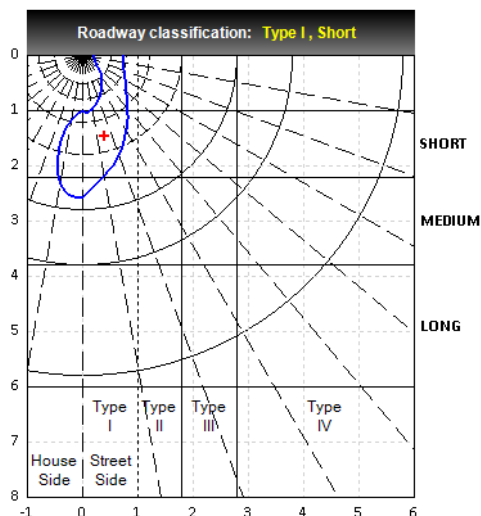
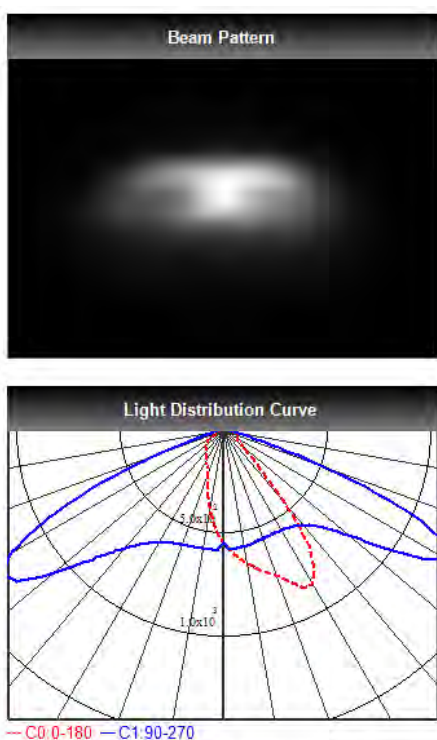


XHP35-HD

Note: (1) All the results of analysis are based on 10 degrees of elevation.
(2) Tolerance: $\pm 10\%$.
(3) Led Luminous Flux(lm): 2123($\pm 5\%$).

IES File: [Download](#)

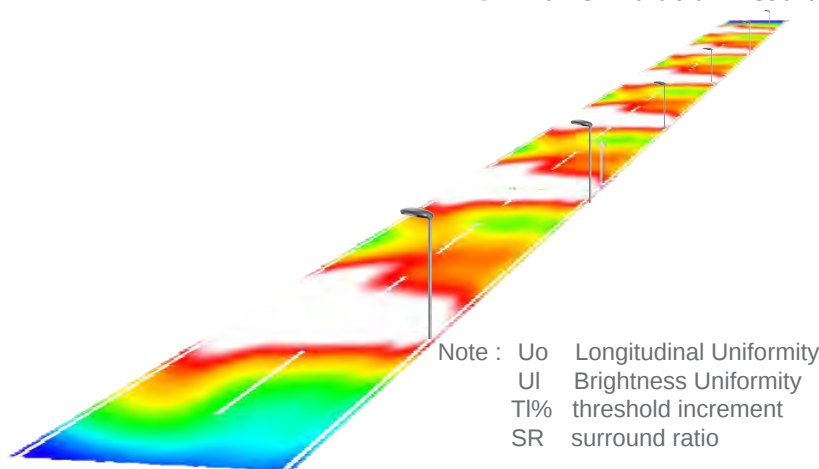
@elevation 0°



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

DIALux Simulation Result

Analyzed file: [Download](#)



Recommend configuration condition		
Height	=	10m
Distance	=	32m
Roadwidth	=	7m
Elevation	=	0 degree
Overhang	=	1.0m
Result		
Emin / Emax	=	0.44
Emin / Eavg	=	0.64
UI	=	0.42
Uo	=	0.63
TI	=	5%
SR	=	0.57

*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 v4.11 and above to open.

LL12CR-CUQ60145L19

Mechanical Specification

1. Fixing method

☐ Glue

☒ Screw

☐ Tape

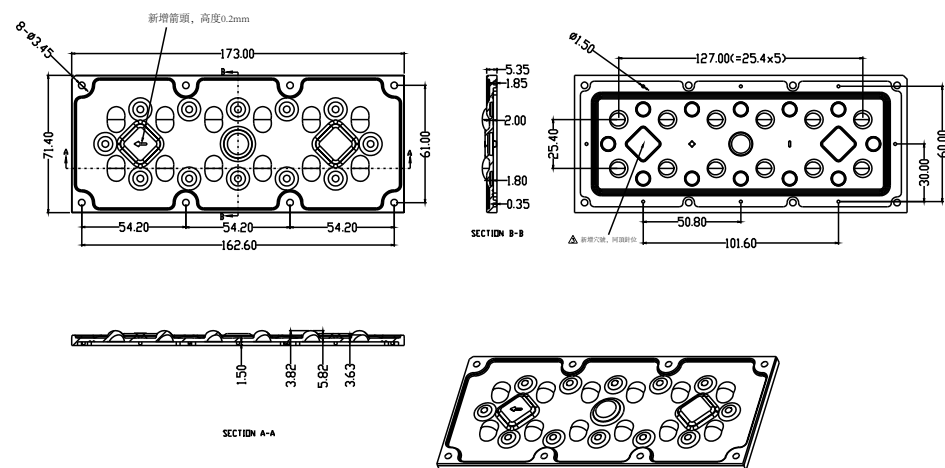
☐ Fixing-ring

☒ Frame

Note: (1) All dimensions are in mm.

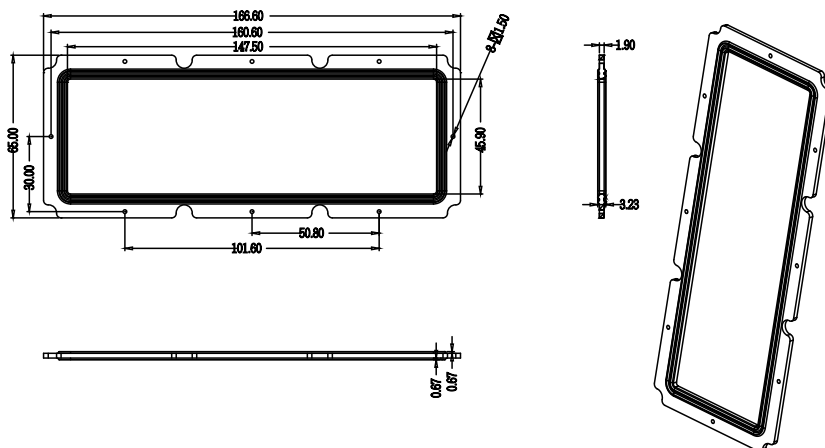
2. Lens dimension

3. Lens + Waterproof Rubber + MCPCB assembly instruction



4. Rubber dimension

5. View assembly lens with MCPCB:

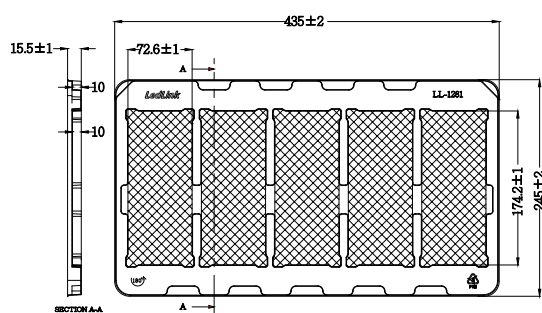


Waterproof Rubber Number : LL01A00RSOX2

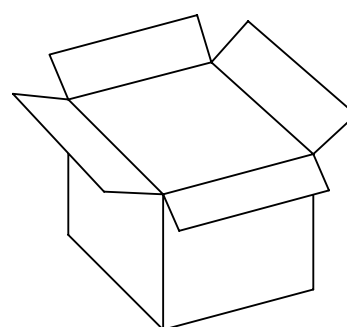
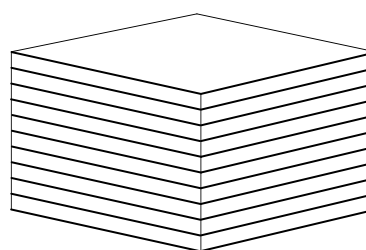
LL12CR-CUQ60145L19

Package Specifications

Item	Quantity	Total	Size(L*W*H)	G.W
plastic box	5 pcs/plastic box	5 pcs	43.5*24.5 cm	37.9 g
outer box	21 plastic box/outer box	105 pcs	46*27*24 cm	



5 pcs/plastic box



105 pcs/outer box



Note: