

Data Sheet

LL12CR-CUQ60145L02

CREE 
► LED Solution Provider



■ Features & Typical Applications

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

■ Table of Contents

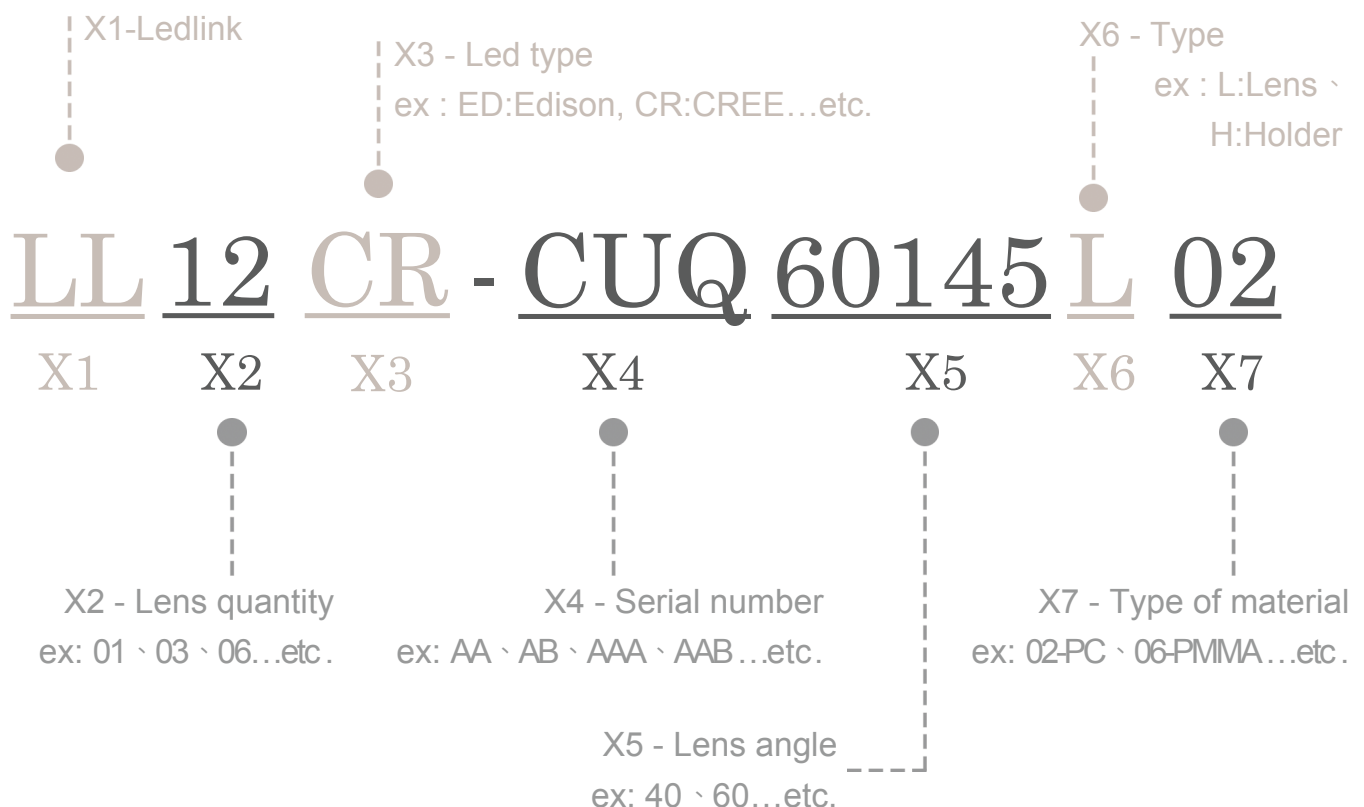
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General Information

- Lens Material : SABIC 2180T
- 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-CUQ60145L02

Optical Specifications



LED Solution Provider

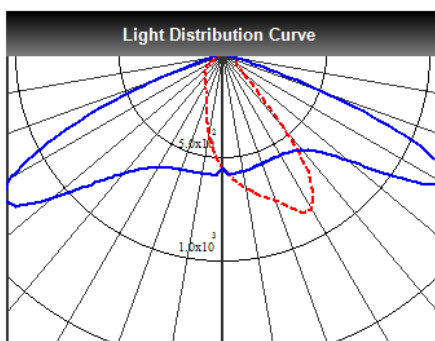
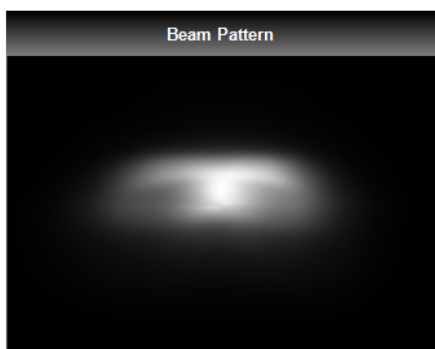


XHP35-HD

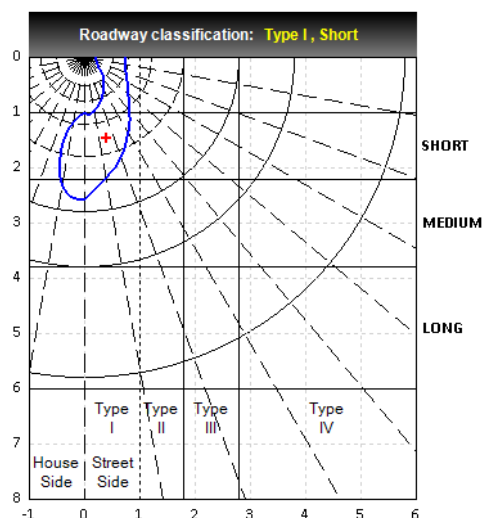
Note: (1) All the results of analysis are based on 10 degrees of elevation.
(2) Tolerance: $\pm 10\%$.
(3) Led Luminous Flux(lm): 2123($\pm 5\%$).

@elevation 0°

IES File: [Download](#)



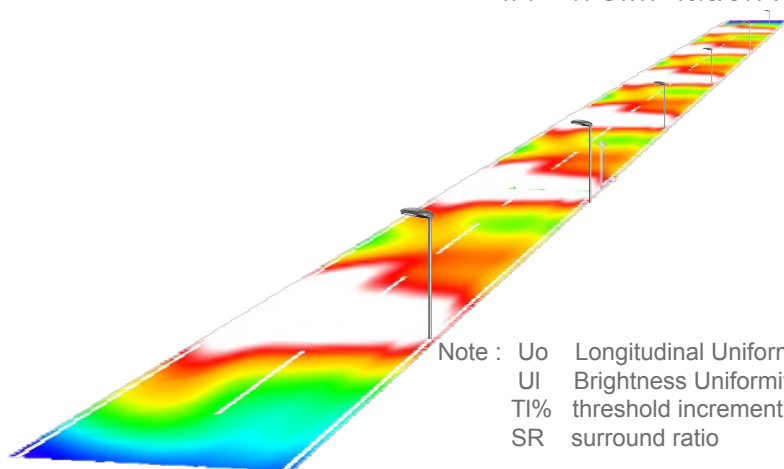
---C0:0-180 —C1:90-270



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](#)



Note : Uo Longitudinal Uniformity
UI Brightness Uniformity
TI% threshold increment
SR surround ratio

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.

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Mechanical Specification

1. Fixing method

☐ Glue

☒ Screw

☐ Tape

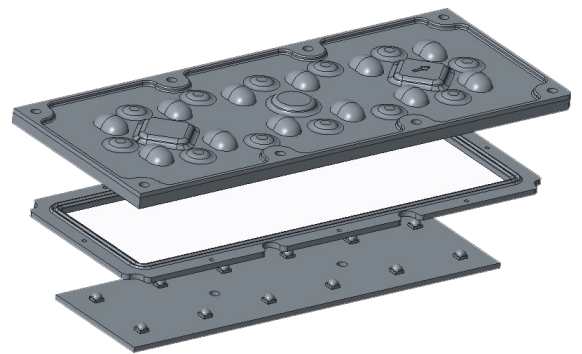
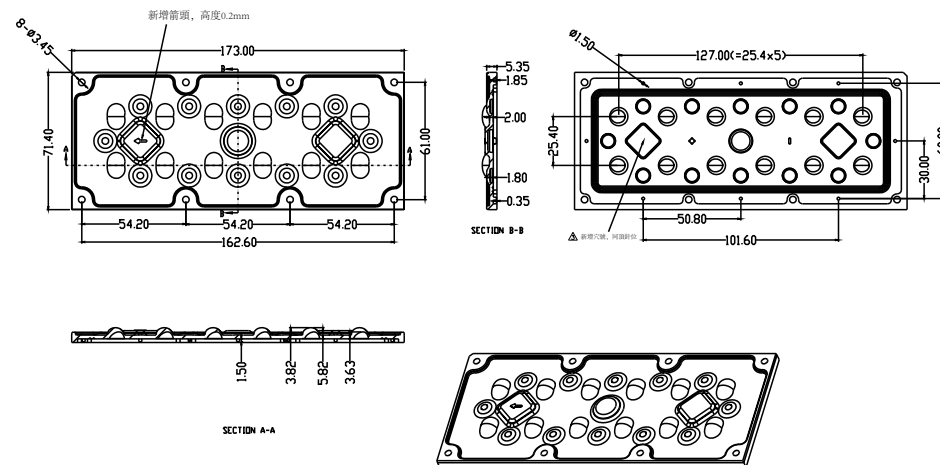
☐ Fixing-ring

☒ Frame

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

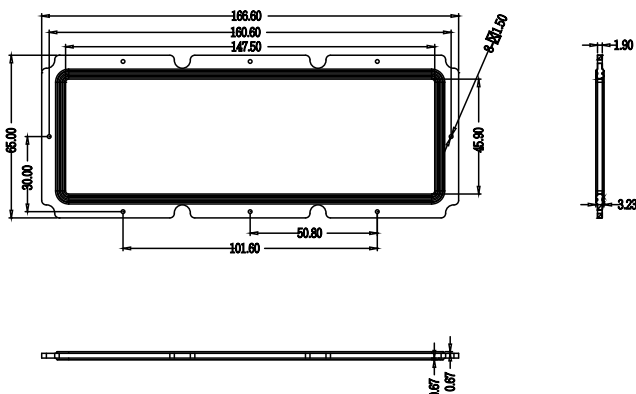
2. Lens dimension

3. Lens + Waterproof Rubber + MCPCB assembly instruction



4. Rubber dimension

5. View assembly lens with MCPCB:

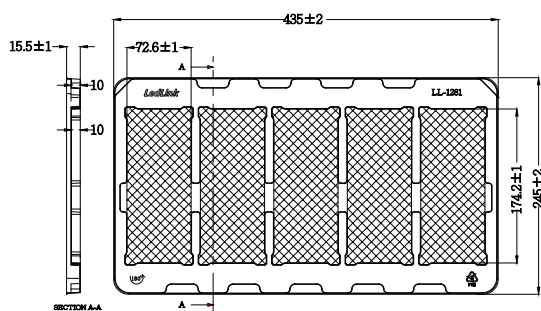


Waterproof Rubber Number : LL01A00RSOX2

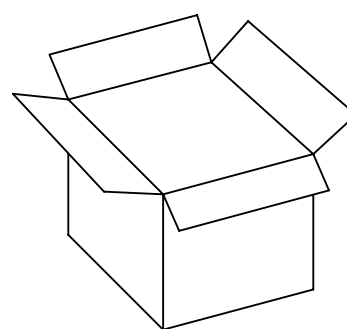
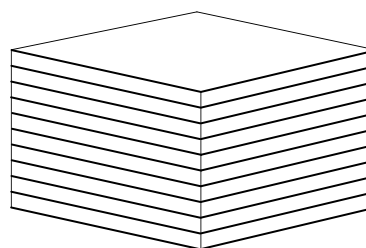
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Package Specifications

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: