

Data Sheet

LL28SE-DFY40130L52-W

CREE

► LED Solution Provider *Xlamp XP-G3*



■ Features & Typical Applications

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

■ Table of Contents

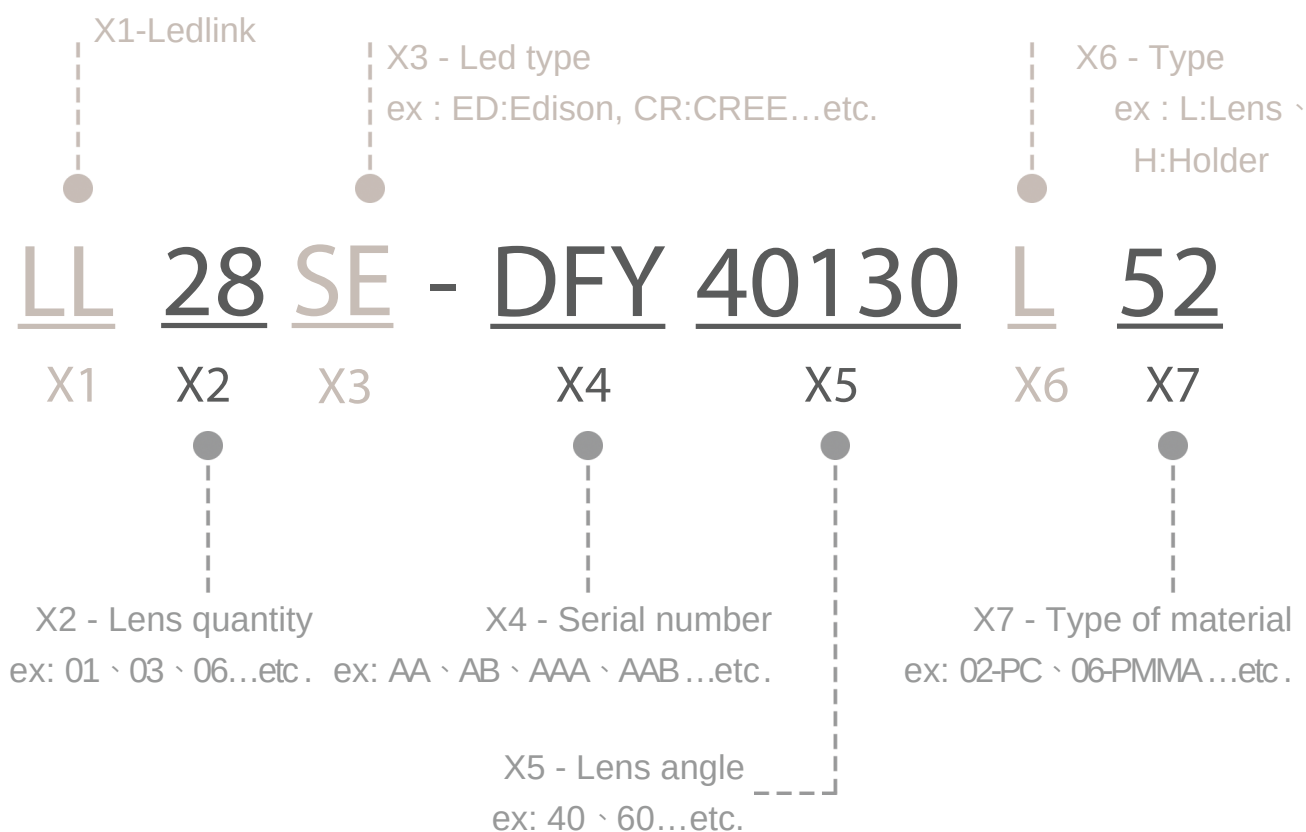
General Information & Product Nomenclature.....	P.2
Optical Specifications	P.3
Mechanical Specifications	P.4
Package Specifications	P.5

LL28SE-DFY40130L52-W

General Information

- Lens Material : SABIC 2180T
- 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%.
(For raw material only)
- 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



LL28SE-DFY40130L52-W

Optical Specifications



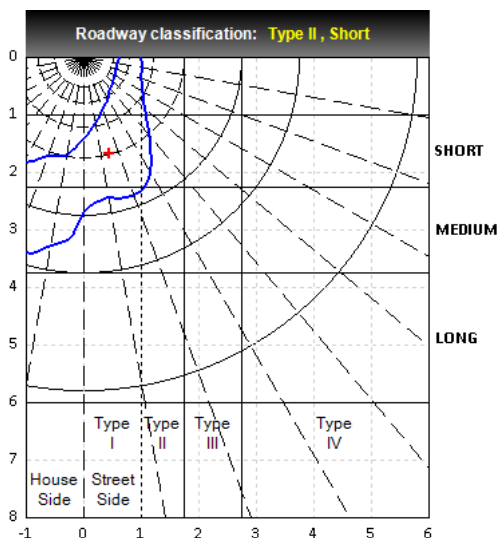
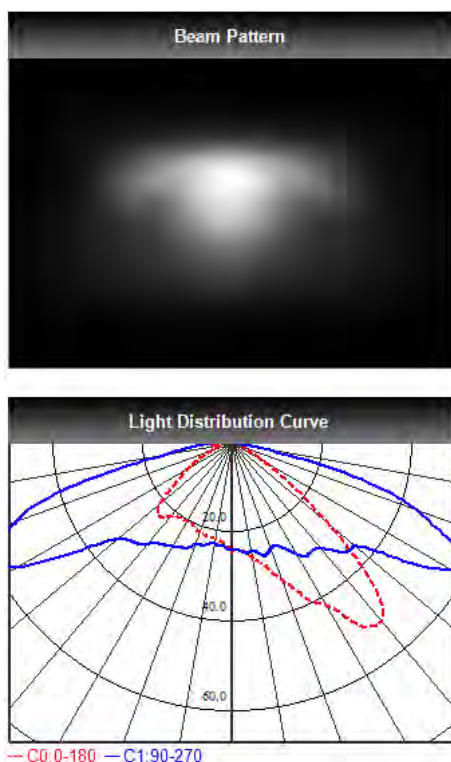
► LED Solution Provider *XLamp XP-G3*



Note: (1) All the results of analysis are based on 0 degrees of elevation.
(2) Tolerance: $\pm 10\%$.
(3) Led Luminous Flux(I_m): 168($\pm 5\%$).

IES File: [Download](#)

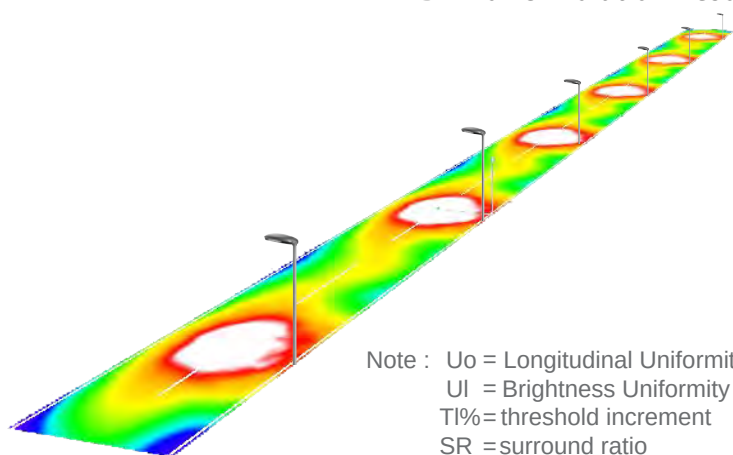
@elevation 0°



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

DIALux Simulation Result

Analyzed file: [Download](#)



Note : U_o = Longitudinal Uniformity
U_i = Brightness Uniformity
TI% = threshold increment
SR = surround ratio

Recommend configuration condition

Height	=	8m
Distance	=	28m
Roadwidth	=	8m
Elevation	=	0 degree
Overhang	=	0m

Result

E _{min} / E _{max}	=	0.40
E _{min} / E _{avg}	=	0.59
U _i	=	0.49
U _o	=	0.45
TI	=	8%
SR	=	0.53

*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 v4.12 and above to open.

LL28SE-DFY40130L52-W

Mechanical Specification

Note: (1) All dimensions are in mm.

1. Fixing method

☐ Glue

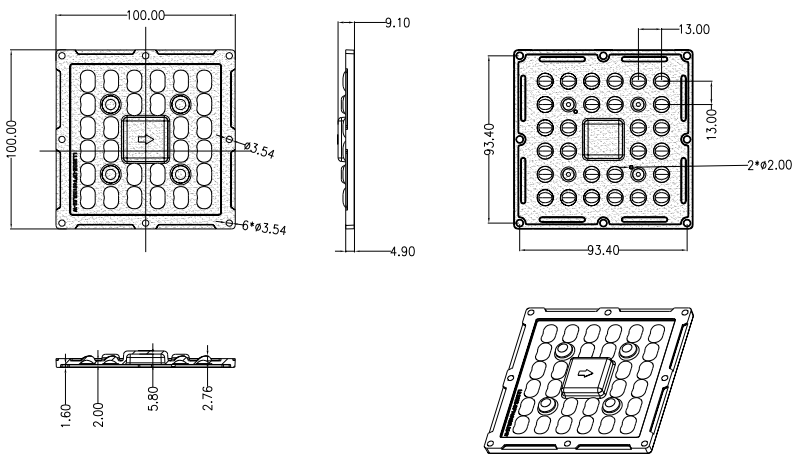
☒ Screw

☐ Tape

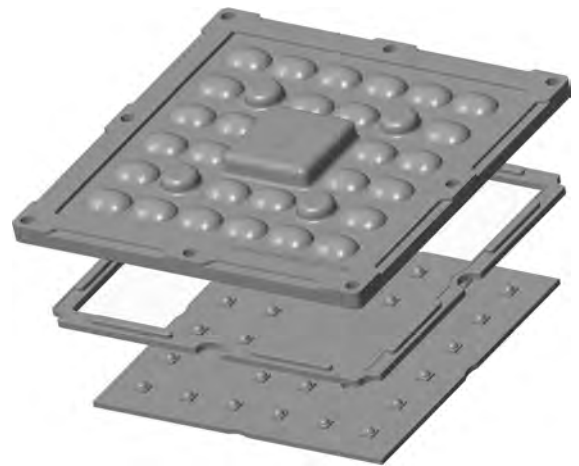
☐ Fixing-ring

☒ Frame

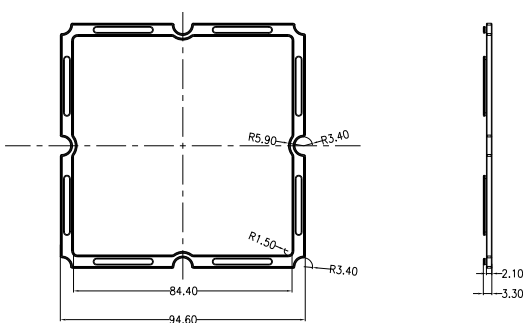
2. Lens dimension



3. Assembly instruction



4. Assembly dimension



5. View assembly lens with MCPCB:



Waterproof Gasket Number : LL01A00SZX2

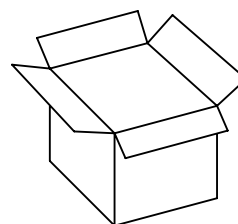
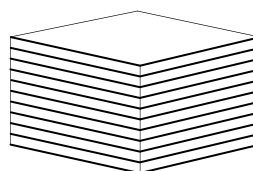
LL28SE-DFY40130L52-W

Package Specifications

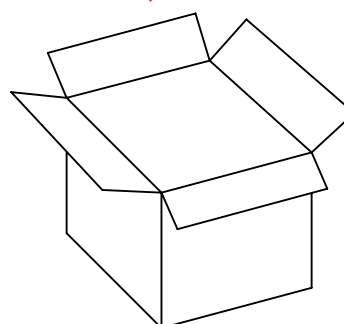
Item	Quantity	Total	Size(L*W*H)	G.W
Plastic membrane	9 pcs	9 pcs		
Inner box	9pcs*17 /outer box	153 pcs	40*37*21 cm	6.6g
Outer box	153pcs*2 /outer box	306 pcs	42*39*46 cm	



3*3=9pcs



9*17pcs=153pcs/inner box



153pcs*2=306pcs/outer box



Note: