LedLink
Linking LEDs to The Real World

V1.2_20170306

Data Sheet
LL04CR-AU45135L46

PHILIPS LUMILEDS

5050



Features & Typical Applications

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

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General Information

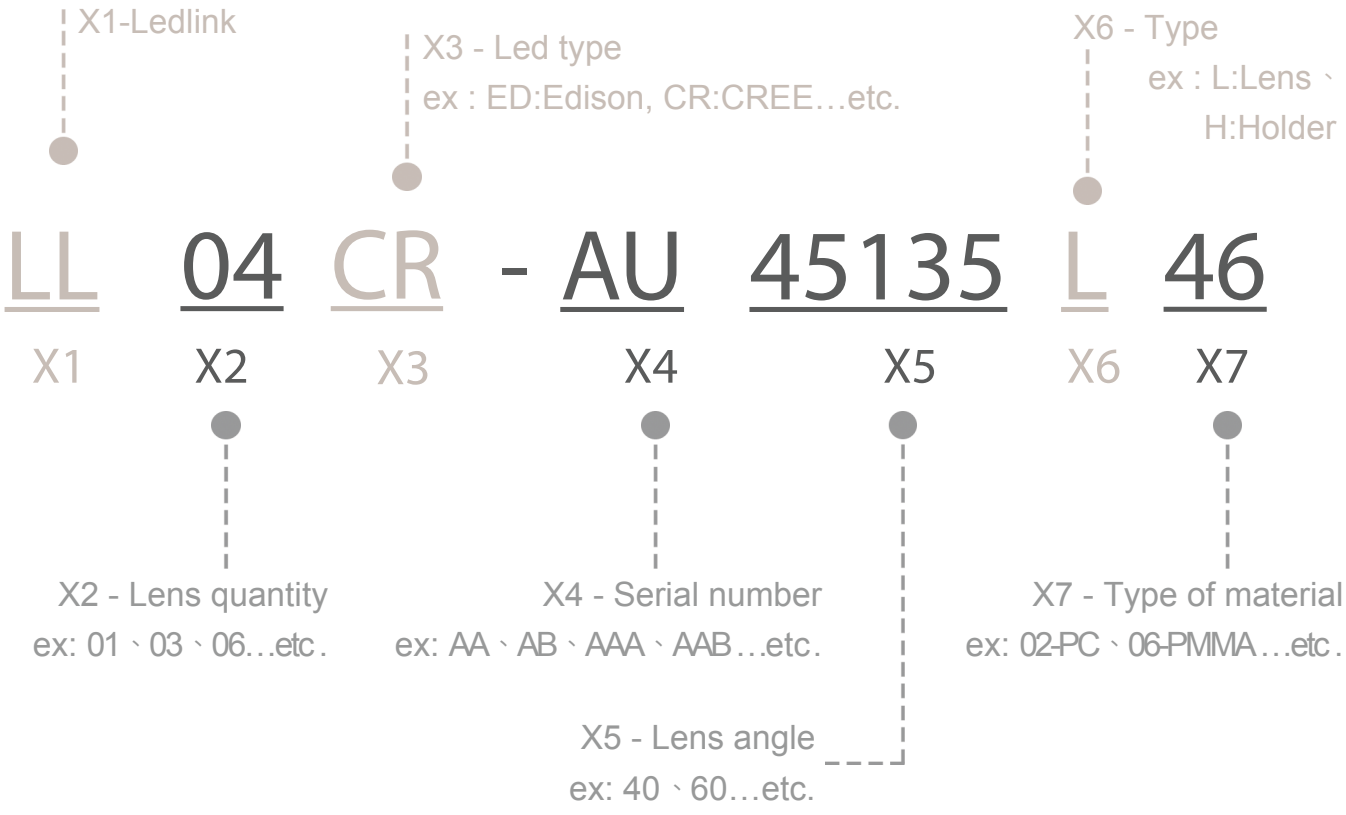
- Lens Material : PC 1225Z
- Operating Temperature range -40℃~+110℃(upper limit +120℃)
- Storage Temperature range -40℃~+110℃(upper limit +120℃)

  * 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

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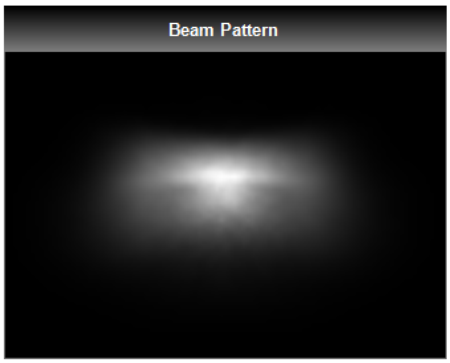


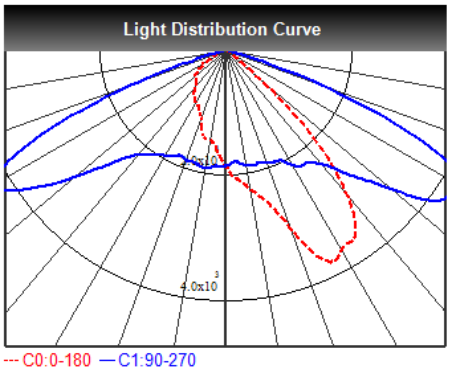
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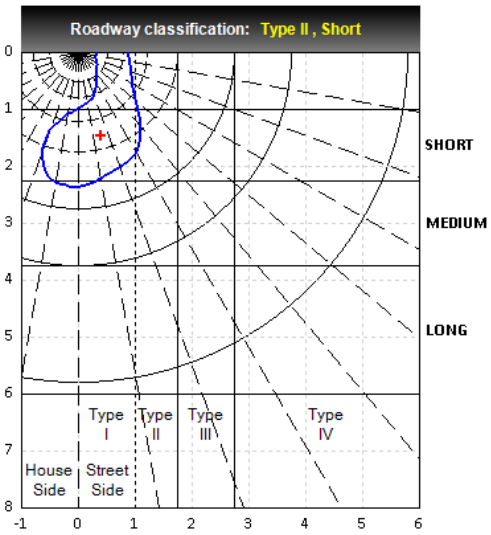
Note: (1) All the results of analysis are based on 10 degrees of elevation.
(2) Tolerance: ±10%.
(3) Led Luminous Flux(lm): 9104(±5%).

IES File: Download

@elevation 0°



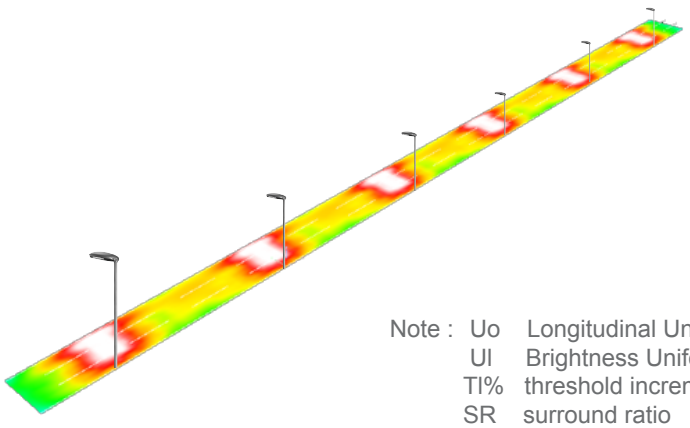




Elevation	Roadway Classification
0°	Type II , Short
5°	Type II , Short
10°	Type II , Short
15°	Type II , Short
20°	Type II , Short

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	=	35m
Roadwidth	=	10.5m
Elevation	=	15 degree
Overhang	=	1.0m

Result		
Emin / Emax	=	0.48
Emin / Eavg	=	0.72
UI	=	0.50
Uo	=	0.33
TI	=	5%
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 v4.11 and above to open.**

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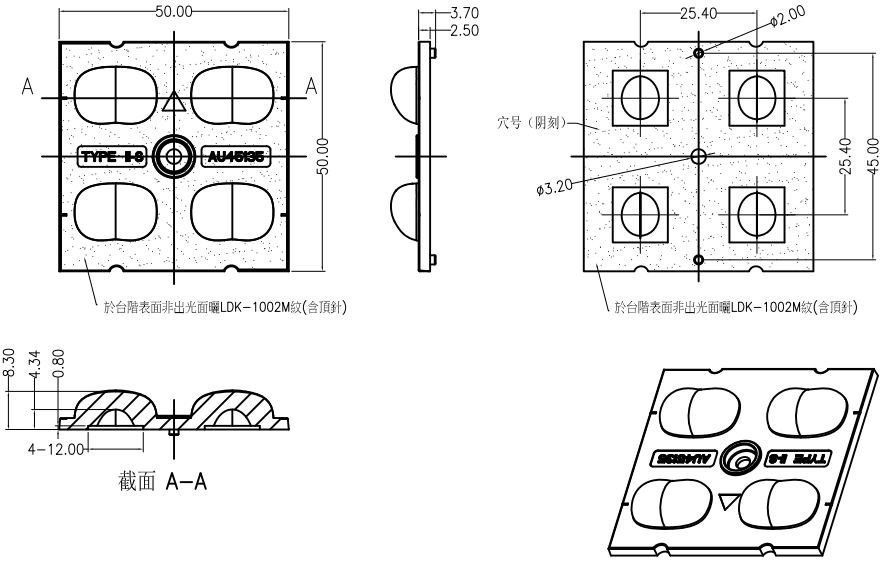
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Mechanical Specification

1.Fixing method

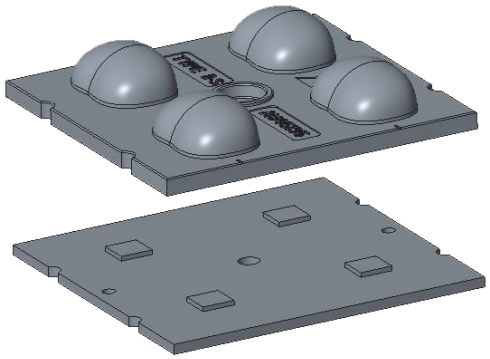
Note: (1)All dimensions are in mm.
(2)All measurements are ± 0.15 mm unless otherwise indicated.

■ Glue ☐ Screw ☐ Tape ☐ Fixing-ring ■ Frame

2.Lens dimension



3. Assembly instruction



4.Assembly dimension

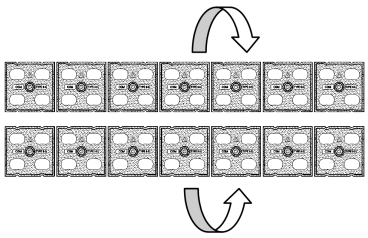
5. View assembly lens with MCPCB:



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Package Specifications

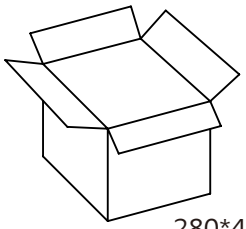
Item	Quantity	Total	Size(L*W*H)	G.W
Plastic membrane	14 pcs	14 pcs		6.6g
Inner box	280pcs*4 /outer box	1120 pcs	40*37*21 cm	
Outer box	1120pcs*2 /outer box	2240 pcs	42*39*46 cm	



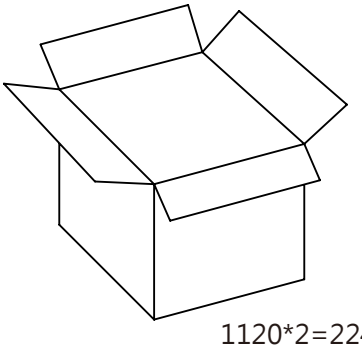
2*7=14pcs
The plastic membrane will be outside of two arrays.



14*20=280 pcs



280*4packs=1120 pcs/inner box



1120*2=2240 pcs/outer box

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