

Data Sheet

LL12CR-FRxxL06



Xlamp XP-E2



■ Features & Typical Applications

- High efficiency
- Available with 2 beam angles
- Optimized for uniform effect
- Lens without Housing
- Commercial Lighting
- Architectural Lighting
- Spotlight

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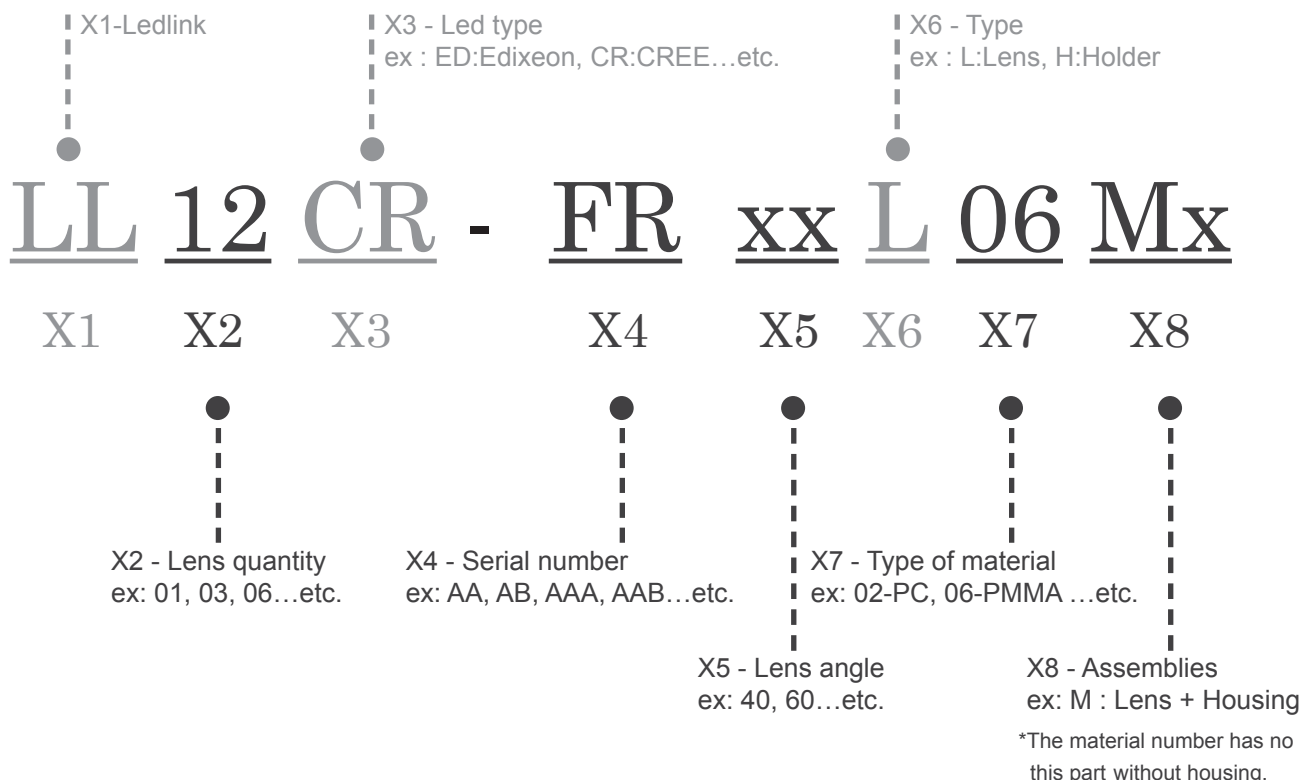
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LL12CR-FRxxL06

General Information

- Lens Material Optical Grade PMMA
- Operating Temperature range $-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$ (upper limit $+80^{\circ}\text{C}$)
- Storage Temperature range $-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$ (upper limit $+80^{\circ}\text{C}$)
- * Average transmittance in visible spectrum $400\text{nm} \sim 700\text{nm} > 90\%$
- 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



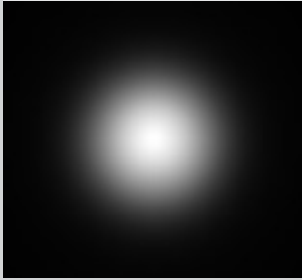
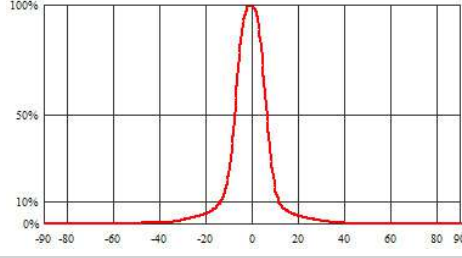
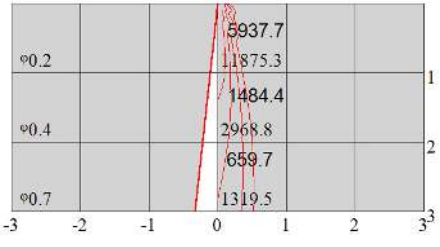
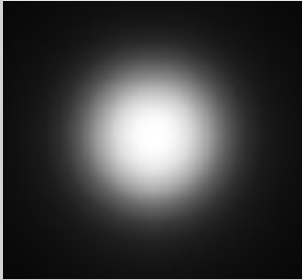
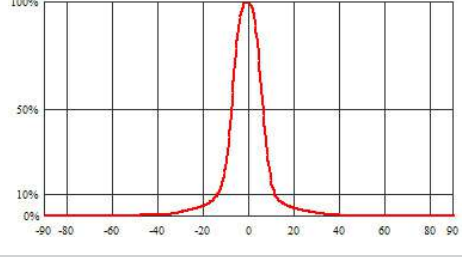
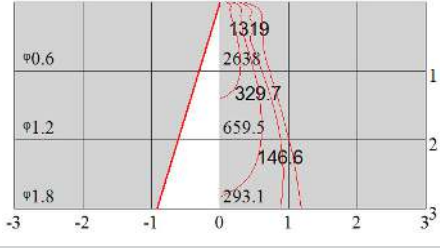
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Optical Specifications



Xlamp XP-E2

Note: (1) All the results of analysis are based on 0 degrees of elevation.
 (2) Tolerance: $\pm 10\%$.
 (3) Led Luminous Flux(lm): 117($\pm 5\%$).

Part Number	FWHM	Field Angle*	cd / lm	IES File
LL12CR-FR25L06	14°	26°	8.5	Download
				
Beam Pattern	Light Distribution Curve	Illuminance Distribution		
Part Number	FWHM	Field Angle*	cd / lm	IES File
LL12CR-FR60L06	36°	59°	1.9	Download
				
Beam Pattern	Light Distribution Curve	Illuminance Distribution		

* Current series also come with FR60. However, the performance with the LED is not satisfied hence it will not demonstrate here.

* The Field Angle is the angle between the two directions opposed to each other over the beam axis for which the luminous intensity is 10% that of the maximum luminous intensity.

* 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.

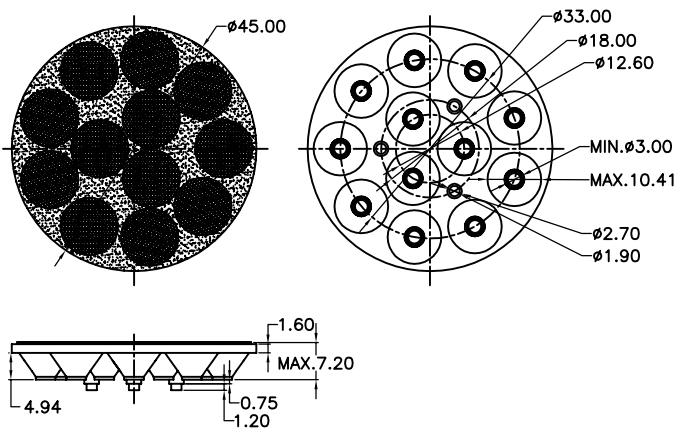
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Mechanical Specification

1. Fixing method

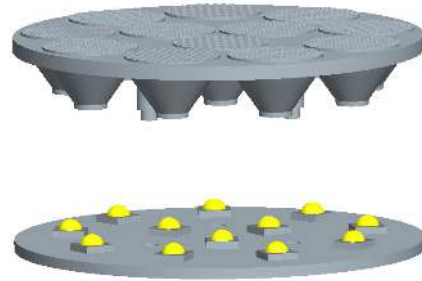
☒ Glue
 ☐ Screw
 ☐ Tape
 ☐ Fixing-ring
 ☒ Frame

2. Lens dimensions

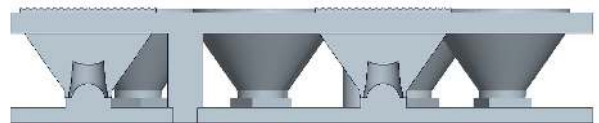


4. Lens assembly dimensions

3. Lens + Leds + MCPCB assembly instruction



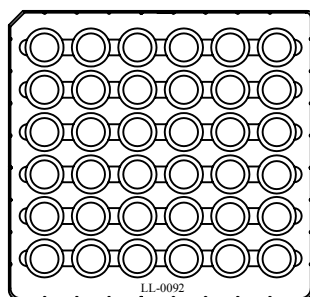
5. View assembly lens with MCPCB:



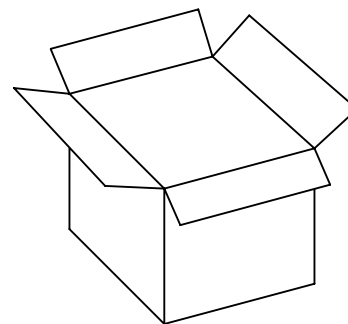
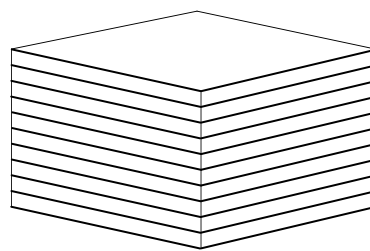
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Package Specifications

Item	Quantity	Total	Size(L*W*H)	G.W
Plastic box	36 pcs/plastic box	36 pcs	36.8*35*1.2 cm	6.2g
Outer box	15 plastic box/Outer box	540 pcs	40*37*21 cm	



36 pcs/plastic box



540 pcs/Outer box



Note: