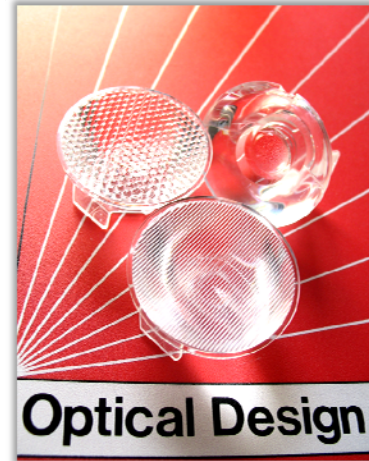


[P7] P7 LENS SERIES-2

■ Contents

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2. Lens Specification
3. Measurement data
4. Lens Characteristics
5. View of the Assembly
6. Sectional view & Dimensions
(Collimate Lens & Beam Lens Filter)
7. Handling of the Collimate Lens



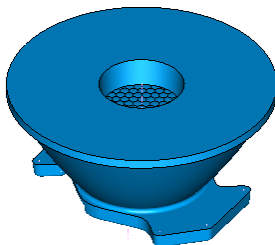
- The 'P7 Lens series-2' offers low profile lens especially designed for the Seoul Semiconductor LEDs
: P7 'W724C0'

<http://www.seoulsemicon.co.kr>

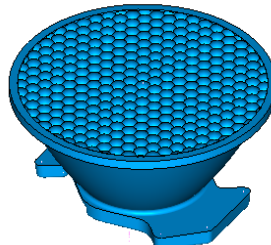
※ Korea Patent no. 10-0837573 & 10-0756174, issued June 4, 2008

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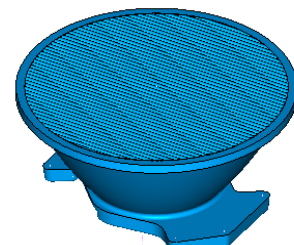
1. Lens Layout



■ Narrow Lens



■ Wide Lens



■ Elliptical Lens

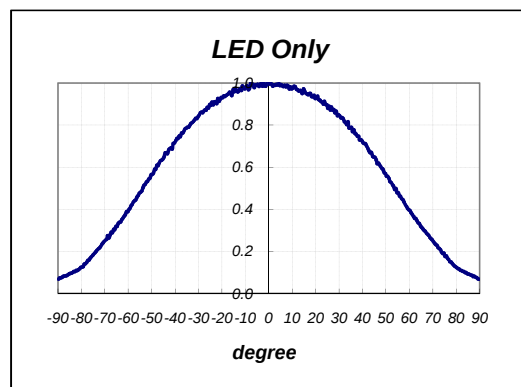
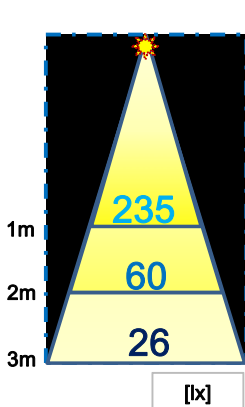
2. Lens Specification

Lens Type	Beam Angle	Beam Pattern	Components
Narrow Lens	10 deg.	Circle	Single Lens
Wide Lens	35 deg.	Circle	
Elliptical Lens	x 45deg. Y 15deg.	Elliptical	

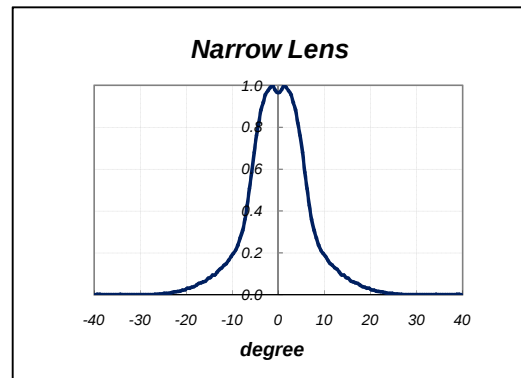
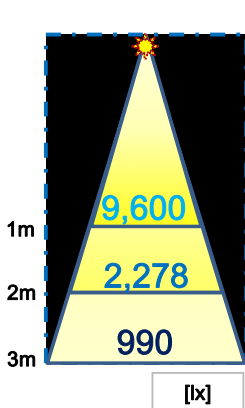
3. Measurements data (Illuminance, Distribution Graph, Photo)

Test Conditions :	LED : Seoul Semiconductor 'W724C0' (Luminous Flux = 700 Lumen)
	Room Luminous Intensity : 0 Lumen
	Room Temperature : 20°C ± 1°C
	LED temperature after 10 min : ~ 36°C

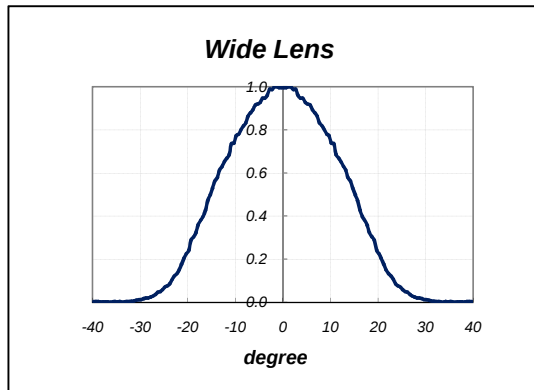
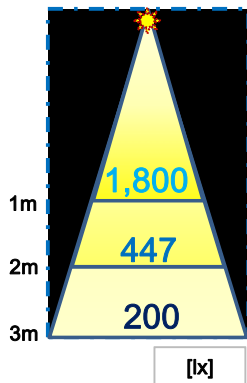
■ LED Only



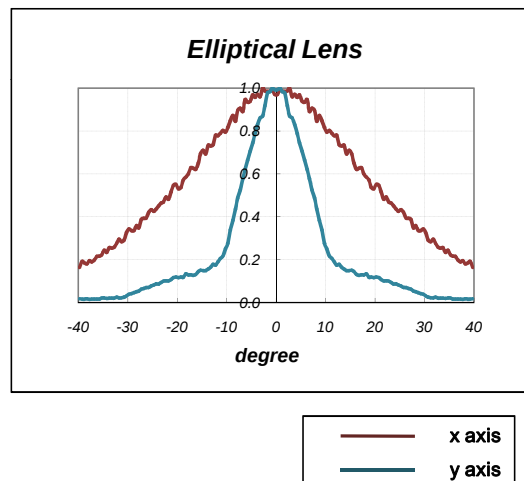
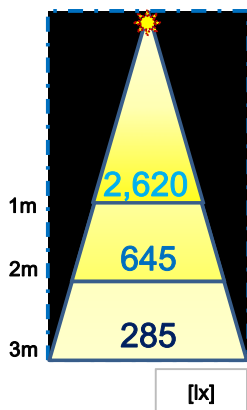
■ Narrow Lens



■ Wide Lens



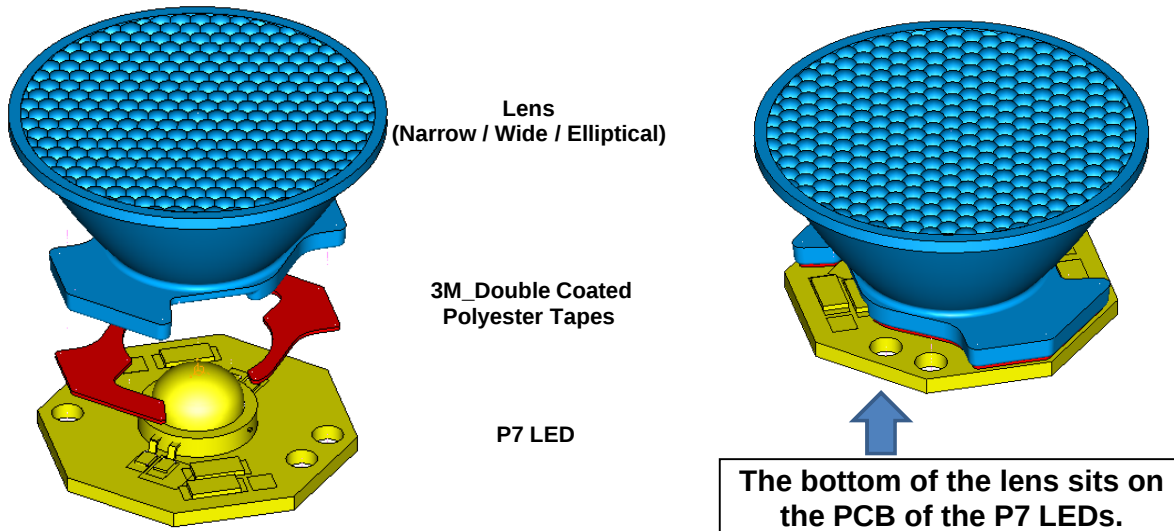
■ Elliptical Lens



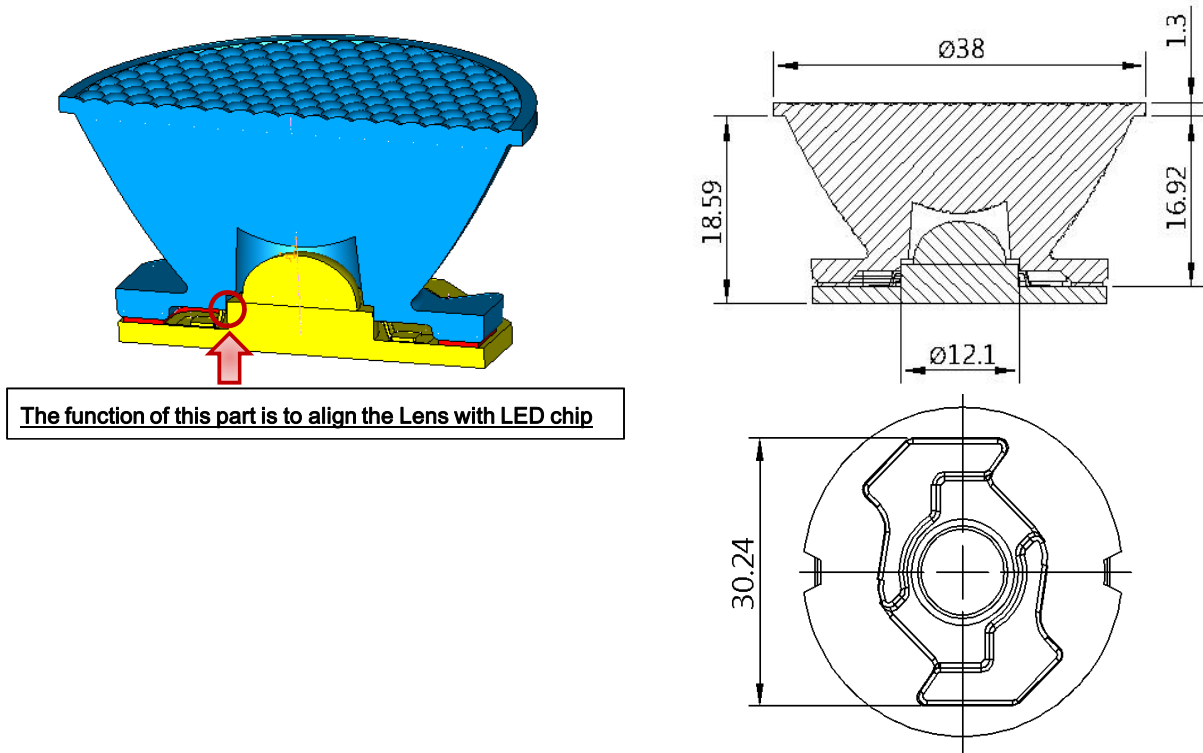
4. Lens Characteristics

Parameter	Symbol	Value	Unit
Collimate Lens	PMMA (Optics)	-	-
Beam Lens Filter	PMMA (Optics)	-	-
Operating Temp.	T _{opr}	-40 ~ +80	℃
Storage Temp.	T _{stg}	-40 ~ +80	℃

5. View of the Assmby with the Collimate Lens & Beam Lens Filter



6. Sectional view & Dimensions



7. Handling of the Collimate Lens

- Do not store in dusty place.
- Do not expose under corrosive environment.
- Do not touch the lens surface with bare-hand.
- Do not dip in or apply to aggressive chemicals, and also.
- DO not wipe with cloth or paper soaked with aggressive chemicals.

■ **'P7 Lens Series-2' is ideal optical solution for P7 LEDs illumination application.**

