[P7] P7-CL SERIES LENS

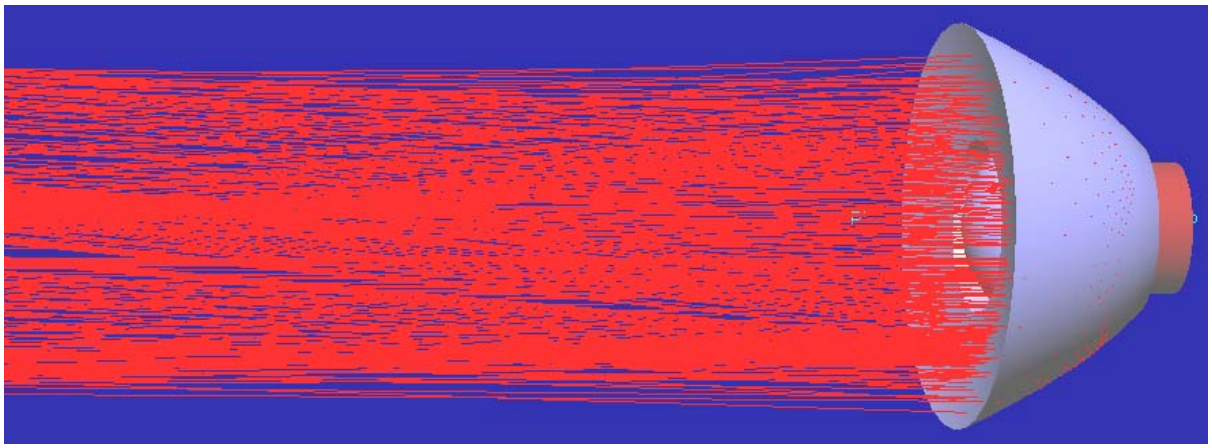
■ **Contents**

■ **The P7-CL series offers low profile lens especially designed for the Seoul Semiconductor LEDs : P7 'W724C0'**

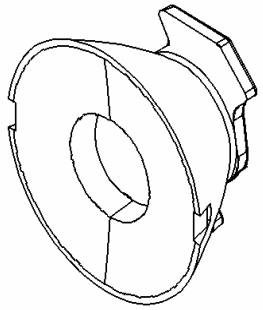
Z Power LED
SEOUL SEMICONDUCTOR

http://www.seoulsemicon.co.kr

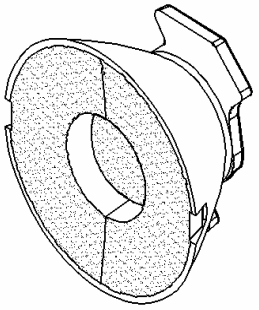
■ **'P7-CL' is ideal optical solution for P7 LEDs illumination application.**



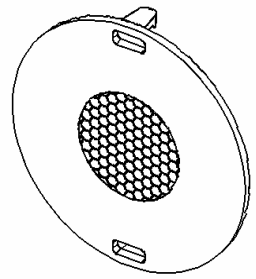
1. Lens Layout



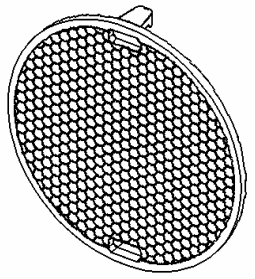
[P7-Col #1]



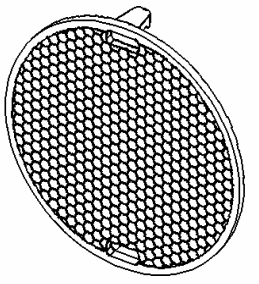
[P7-Col #2]



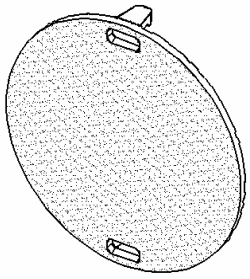
[P7-Narrow]



[P7-Medium]



[P7-Wide]



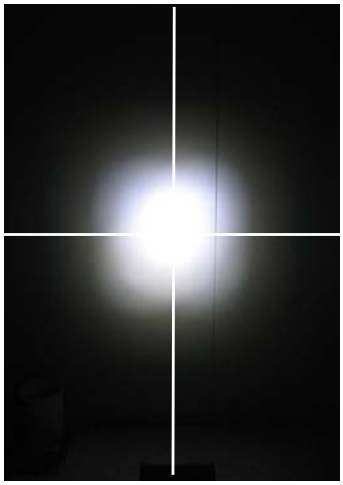
[P7-Fog]

2. Lens Specification

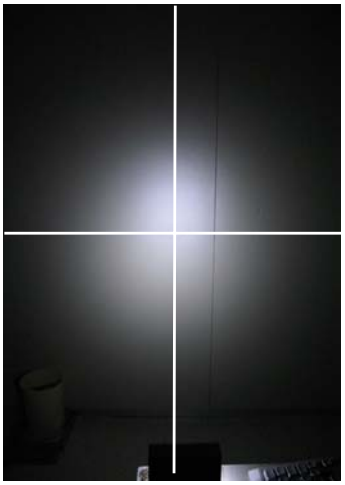
Lens Type	Beam Angle	Beam Pattern	Components
P7-Col #1	15 deg.	Circle	Collimate lens #1
P7-Col #2	25 deg.	Circle(Smooth)	Collimate lens #2(pattern)
P7-Narrow	15 deg.	Circle	Collimate lens + Narrow Beam Filter
P7-Medium	20 deg.	Circle	Collimate lens + Medium Beam Filter
P7-Wide	30 deg.	Circle	Collimate lens + Wide Beam Filter
P7-Fog	25 deg.	Circle(Smooth)	Collimate lens + Fog Beam Filter

3. Beam Pattern (Photo)

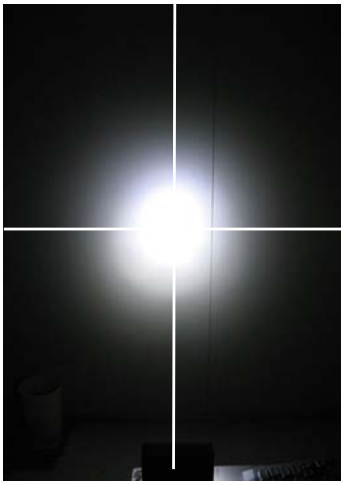
[Measurement Distance 100cm]



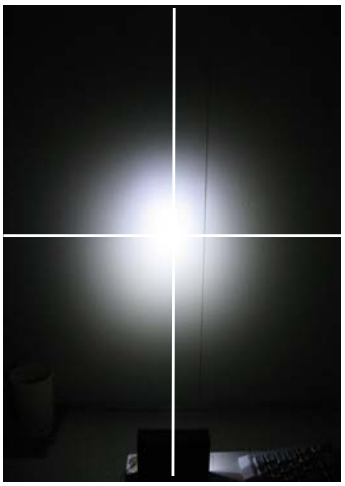
[P7-Col #1]



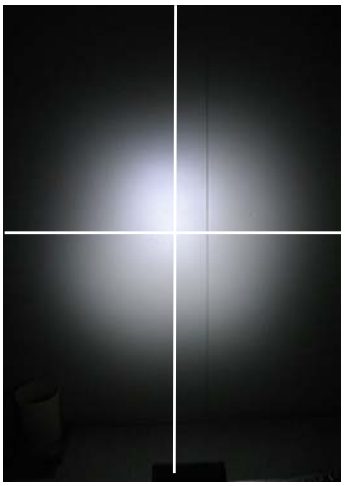
[P7-Col #2]



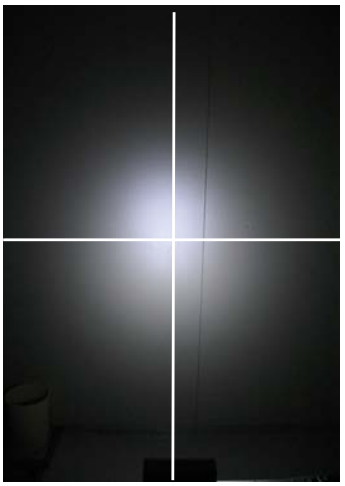
[P7-Narrow]



[P7-Medium]



[P7-Wide]



[P7-Fog]

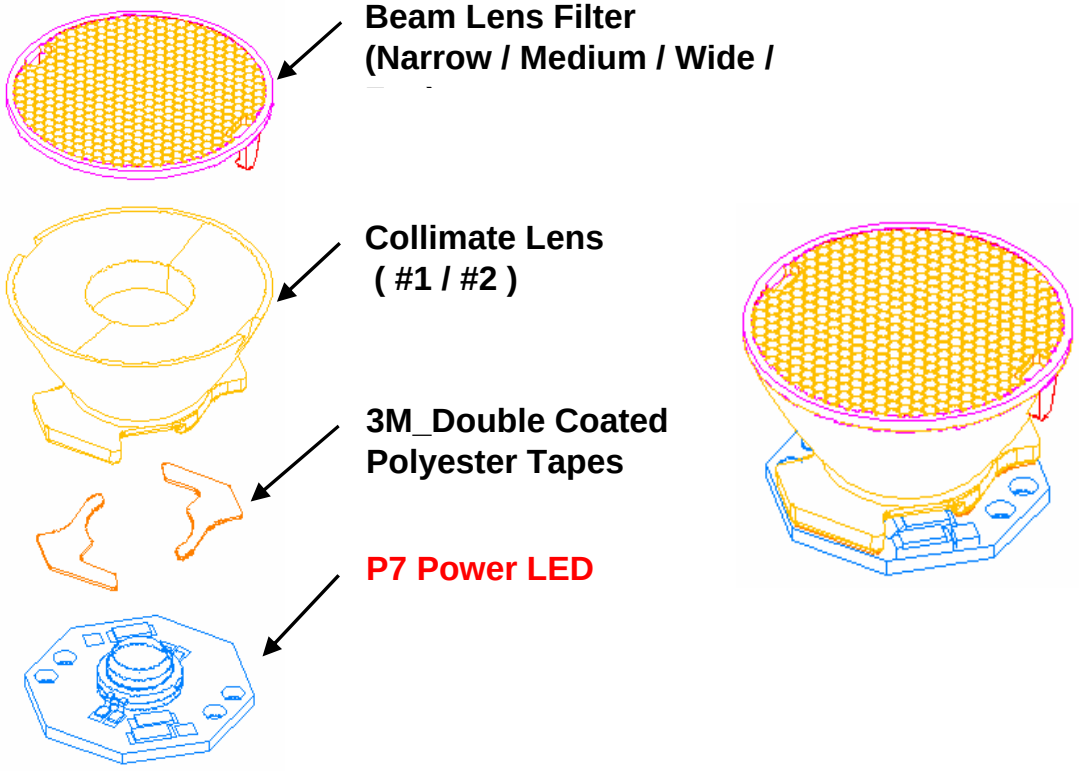
4. Feature of Beam Lems Filter

Item	Feature
P7-Col #2	Smooth Light (no filter)
P7-Narrow	Spot Light
P7-Medium	Medium Light (Center of light is narrow)
P7-Wide	Wide Light (Center of light is wide)
P7-Fog	Smooth Light

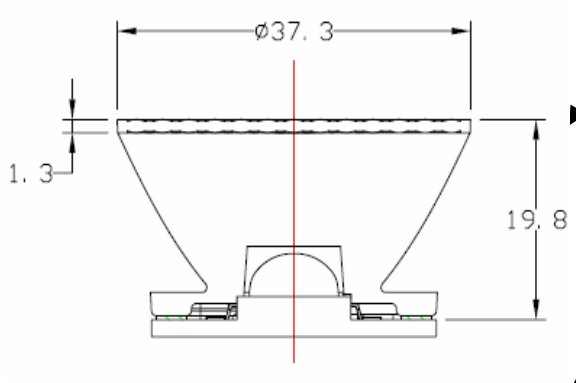
5. Lens Characteristics

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	℃

6. View of the Assmbly with the Collimate Lens & Beam Lens Filter

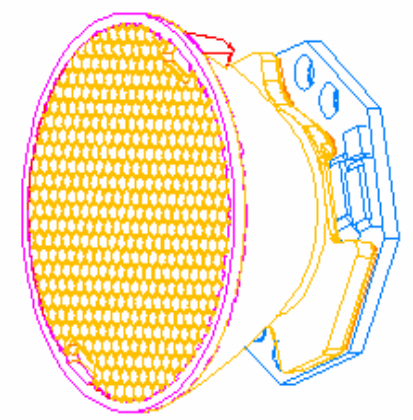


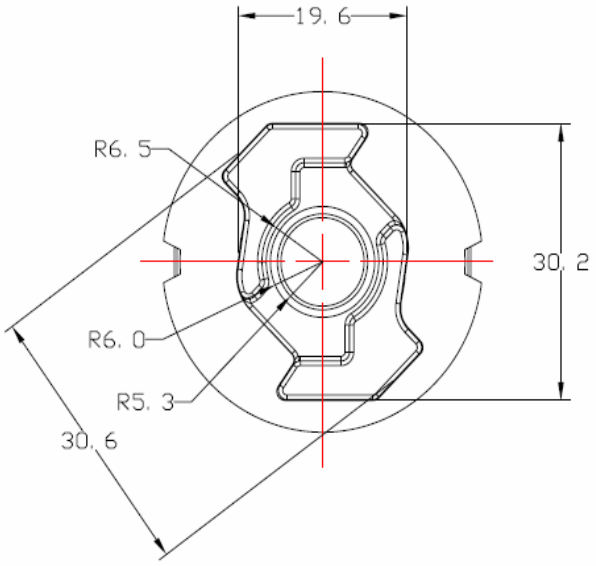
7. LED+Collimate Lens+Beam Lens Filter Assembly View & Dimensions



This dimension represents the distance from the top of the 'Beam Lens Filter' to the bottom of the PCB.

The bottom of the lens sits on the PCB of the Acriche LEDs.





(Dimensions Tolerance is ± 0.2mm)

8. 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.