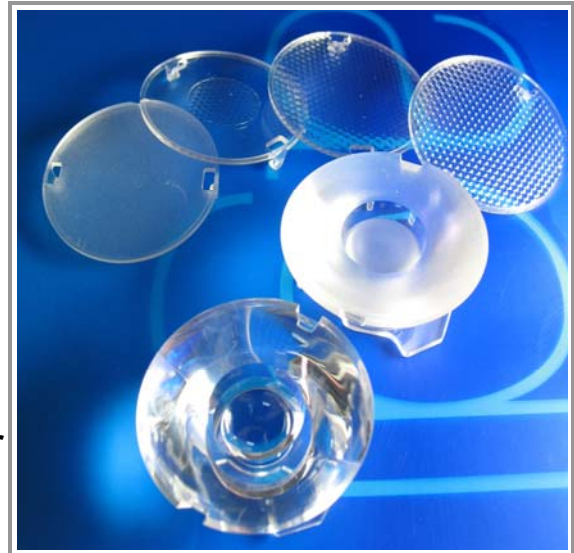


## **ACL-002 SERIES LENS**

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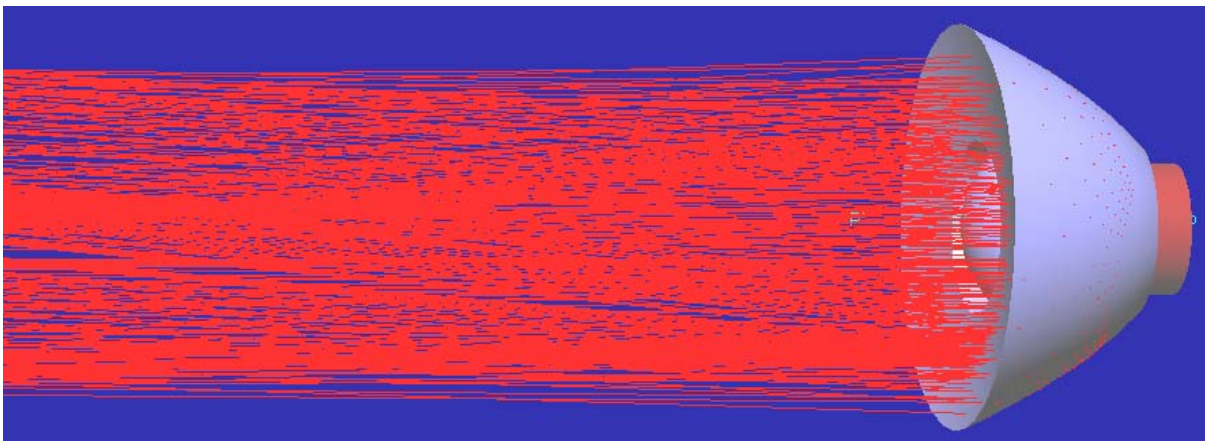


- The ACL-002 series offers low profile lens especially designed for the Seoul Semiconductor LEDs : **Acriche 'Ax32xx'**

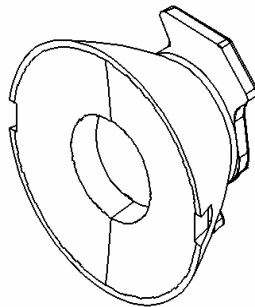


<http://www.seoulsemicon.co.kr>

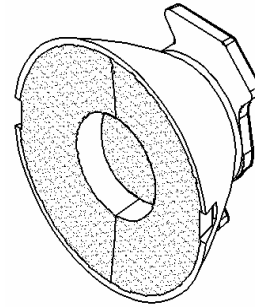
- 'ACL-002' is ideal optical solution for Acriche3 LEDs illumination application.



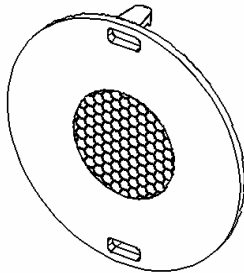
## 1. Lens Layout



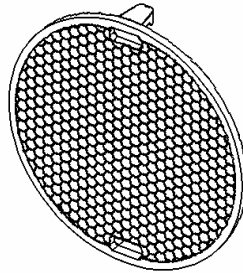
[ACL-002 #1]



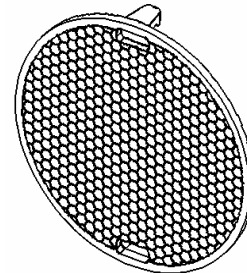
[ACL-002 #2]



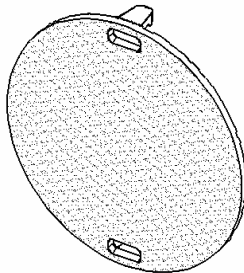
[ACL-002-Narrow]



[ACL-002-Medium]



[ACL-002-Wide]



[ACL-002-Fog]

## 2. Lens Specification

Lens Type	Beam Angle	Beam Pattern	Components
ACL-002 #1	15 deg.	Circle	Collimate lens #1
ACL-002 #2	25 deg.	Circle(Smooth)	Collimate lens #2(pattern)
ACL-002-Narrow	15 deg.	Circle	Collimate lens + Narrow Beam Filter
ACL-002-Medium	20 deg.	Circle	Collimate lens + Medium Beam Filter
ACL-002-Wide	30 deg.	Circle	Collimate lens + Wide Beam Filter
ACL-002-Fog	25 deg.	Circle(Smooth)	Collimate lens + Fog Beam Filter

**3. Beam Pattern (Photo)**

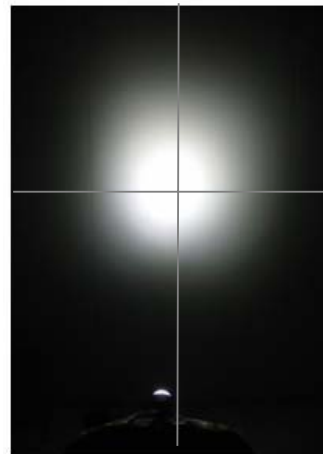
**[Measurement Distance 100cm]**



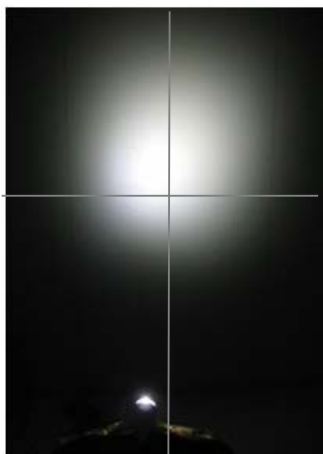
**[ACL-002 #1]**



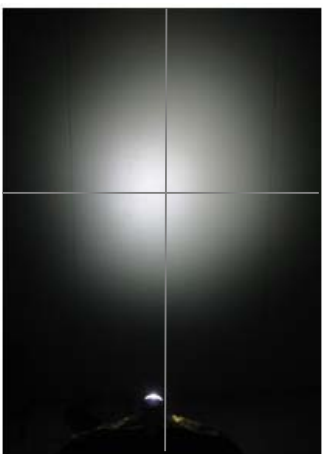
**[ACL-002 #2]**



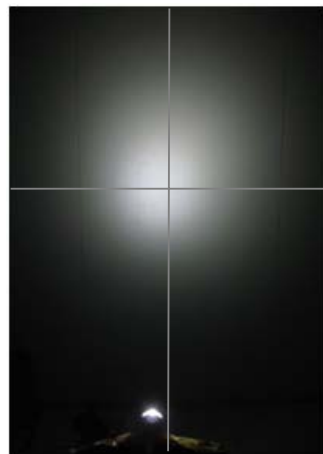
**[ACL-002-Narrow]**



**[ACL-002-Medium]**



**[ACL-002-Wide]**



**[ACL-002-Fog]**

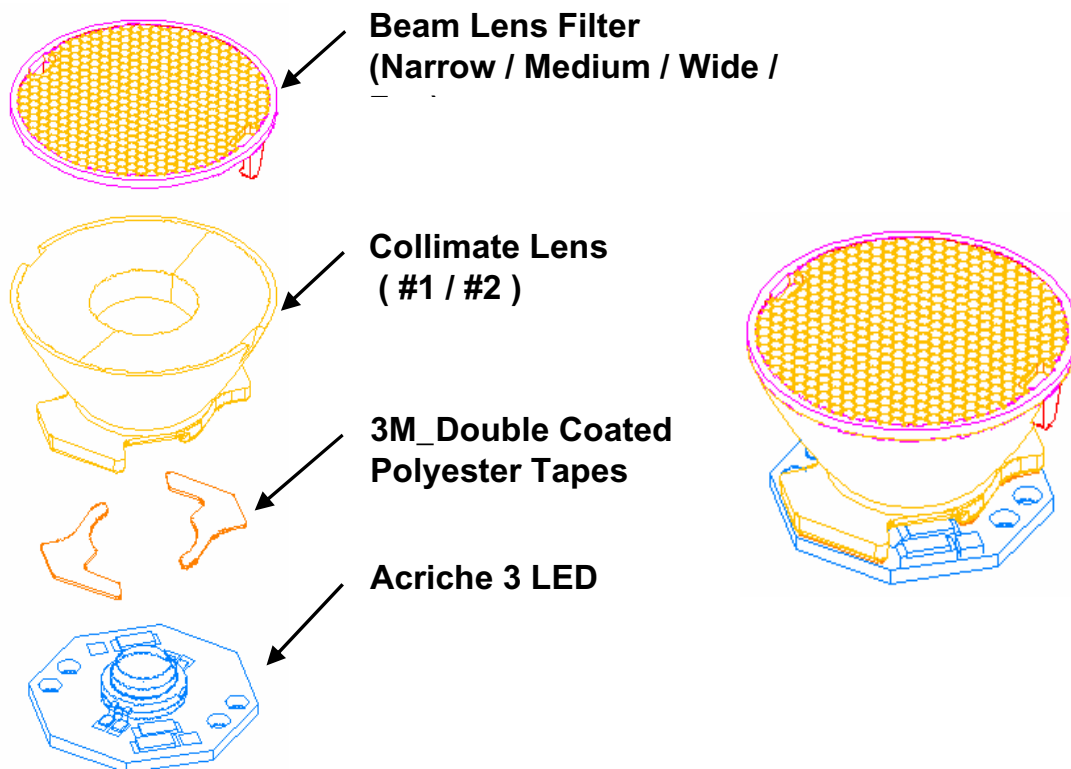
#### 4. Feature of Beam Lens Filter

Item	Feature
ACL-002 #2	Smooth Light (no filter)
ACL-002-Narrow	Spot Light
ACL-002-Medium	Medium Light (Center of light is narrow)
ACL-002-Wide	Wide Light (Center of light is wide)
ACL-002-Fog	Smooth Light

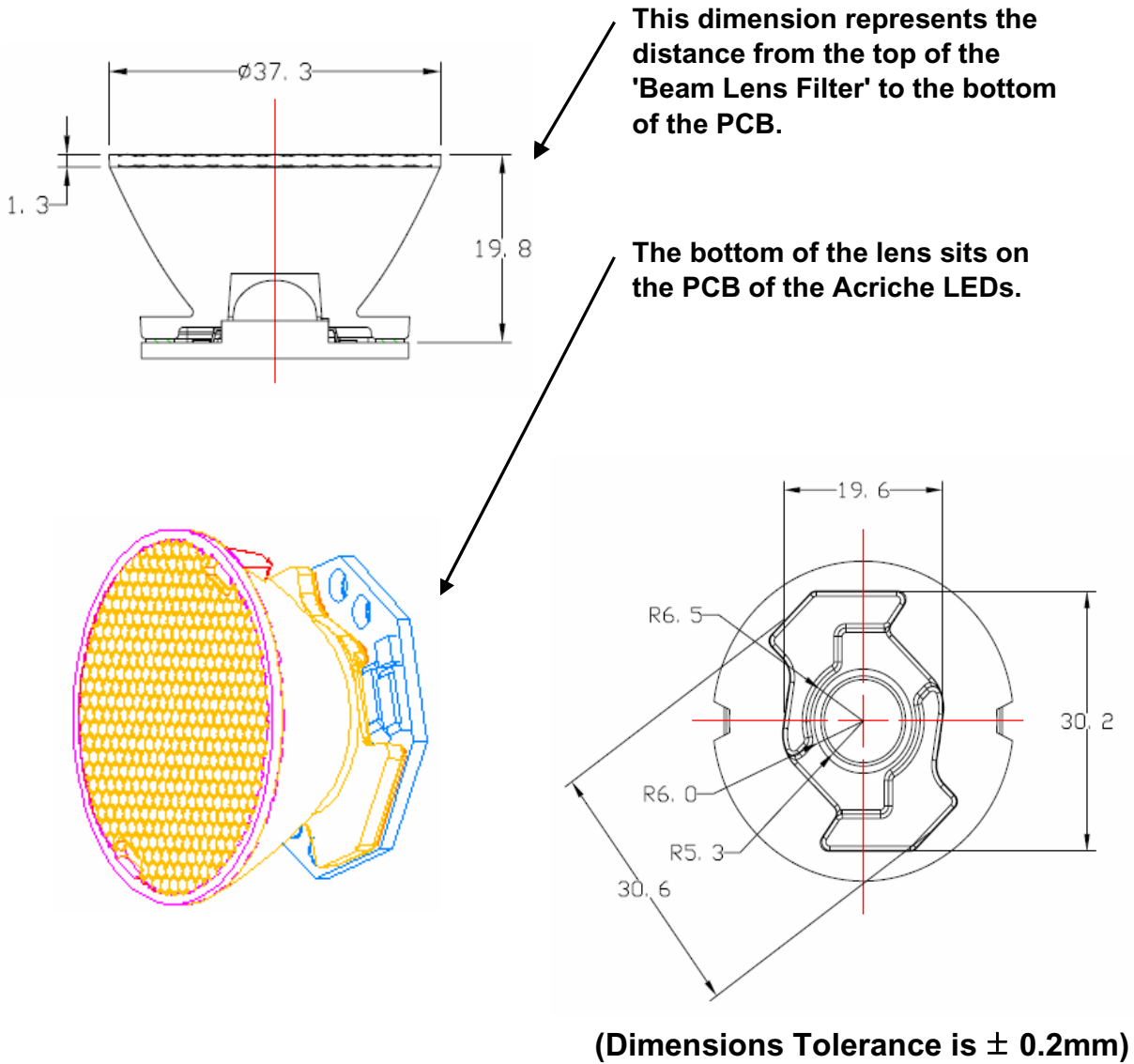
#### 5. Lens Characteristics

Parameter	Symbol	Value	Unit
Collimate Lens	PMMA (Optics)	-	-
Beam Lens Filter	PMMA (Optics)	-	-
Operating Temp.	T <sub>opr</sub>	-40 ~ +80	°C
Storage Temp.	T <sub>stg</sub>	-40 ~ +80	°C

#### 6. View of the Assmby with the Collimate Lens & Beam Lens Filter



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



## 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.