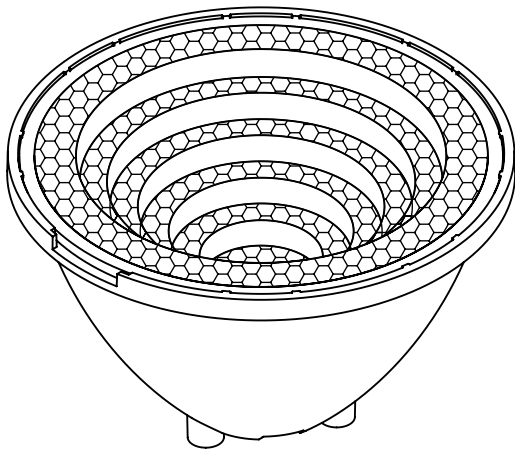
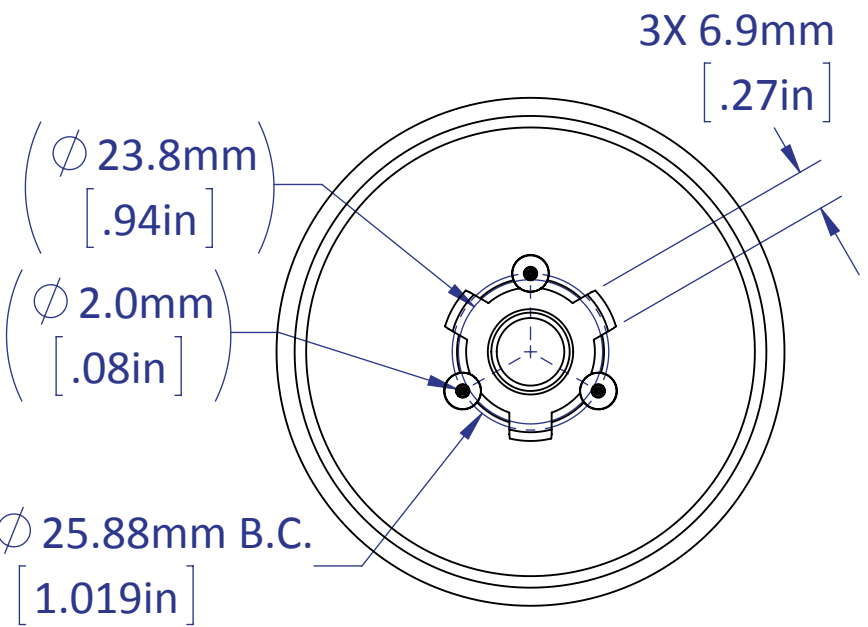
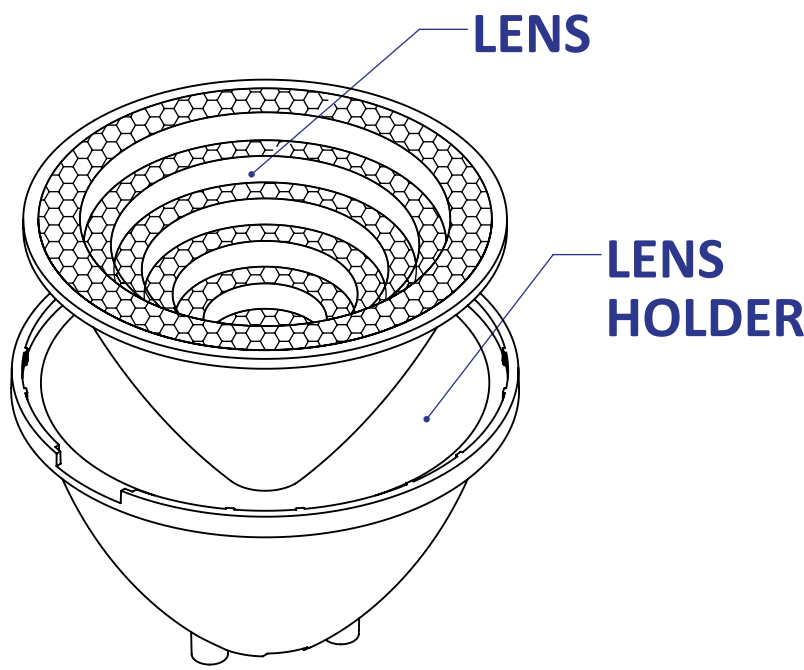
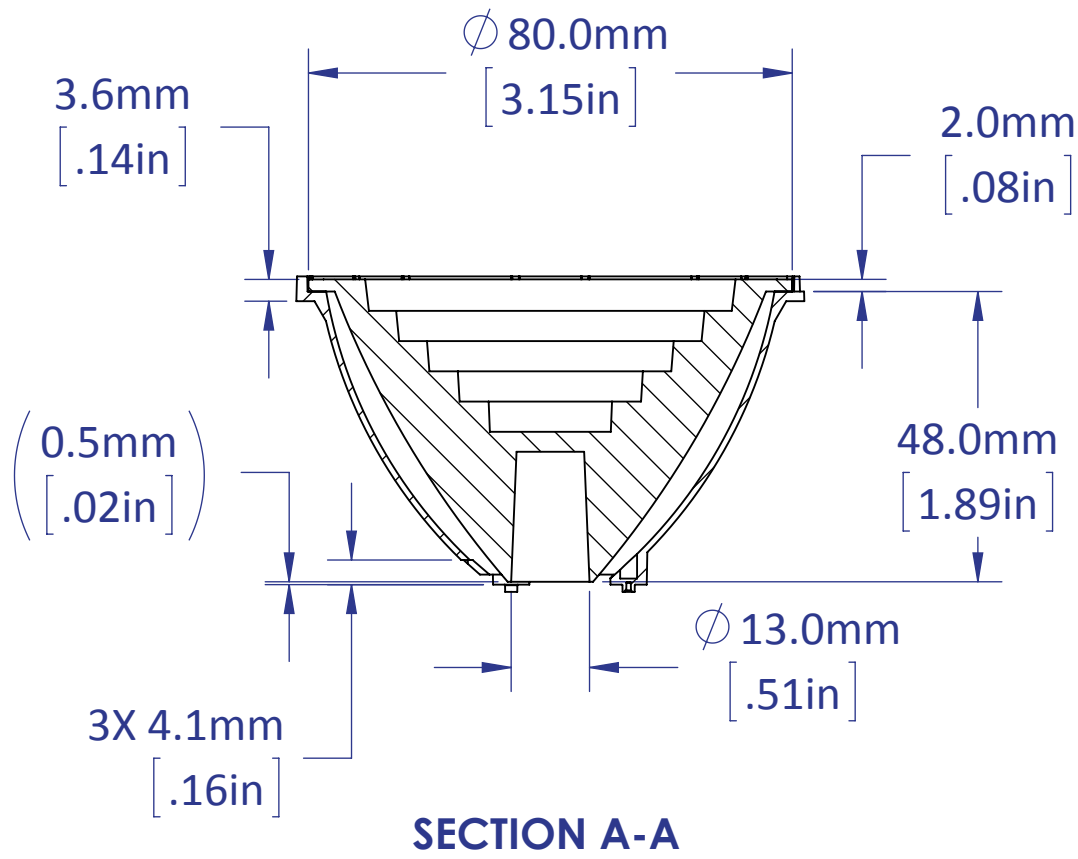
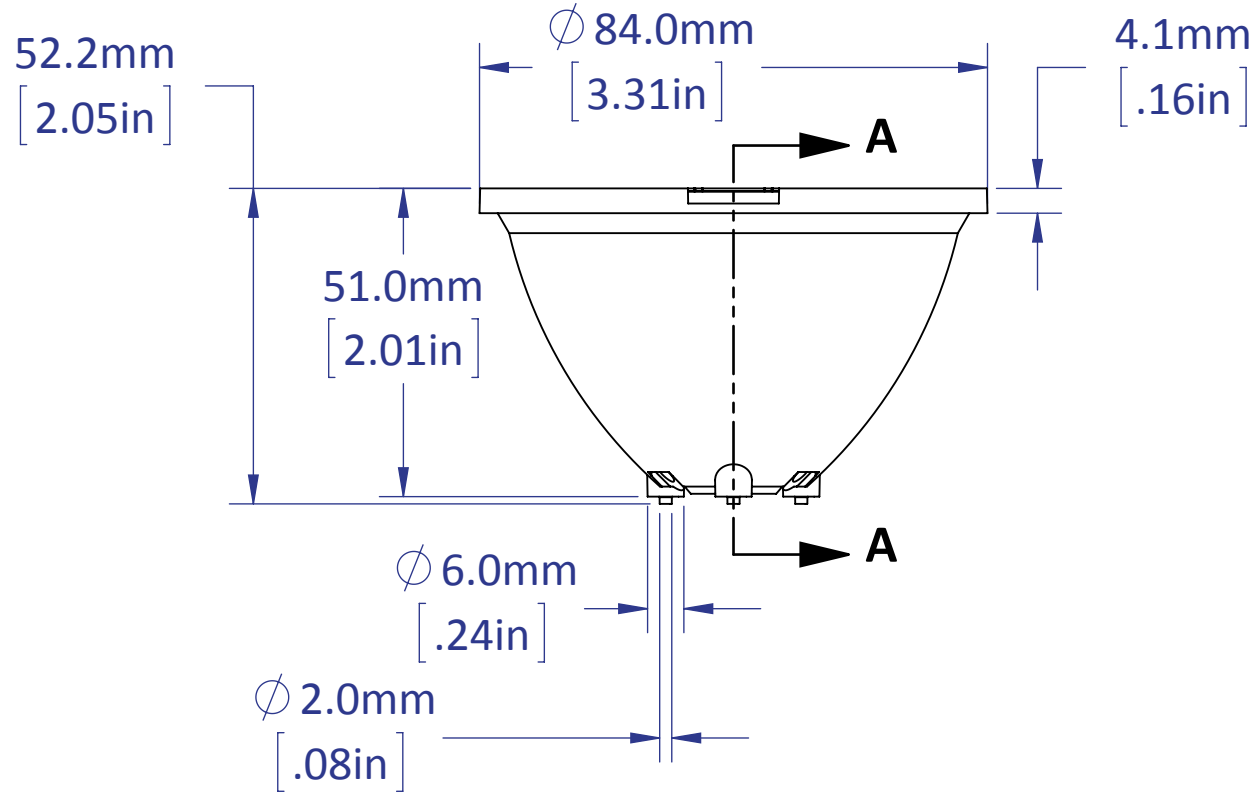
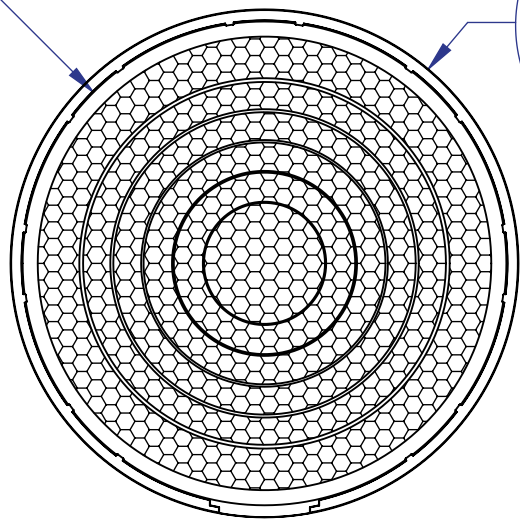


REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A3	INITIAL RELEASE	9/6/2012	DAA

Ø 80.0mm  
[3.15in]

(Ø 84.0mm)  
[3.31in]



- NOTES:
1. TOLERANCE BLOCK DOES NOT APPLY.
  2. ALL DIMENSIONS ARE TYPICAL VALUES.
  3. KEY OPTICAL SURFACES MAY BE DISTORTED.

**PROPRIETARY AND CONFIDENTIAL**

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UNLESS OTHERWISE SPECIFIED:		NAME		<div>LED Engin, Inc.</div> <div>LZC 8° LENS AND LENS HOLDER</div> <div>(SOLID VIEWS)</div>		
DIMENSIONS ARE IN MILLIMETERS TOLERANCES:  .X ± 0.5 .XX ± 0.25 .XXX ± 0.10 Angle ± 1		DRAWN	DAA			
		CHECKED				
		ENG APPR.				
		MFG APPR.				
MATERIAL		COMMENTS:		SIZE C	PART NUMBER LLNS-3T08-P3	
FINISH						
DO NOT SCALE DRAWING						
				SCALE: 4:5		SHEET 1 OF 4

REV  
**A3**

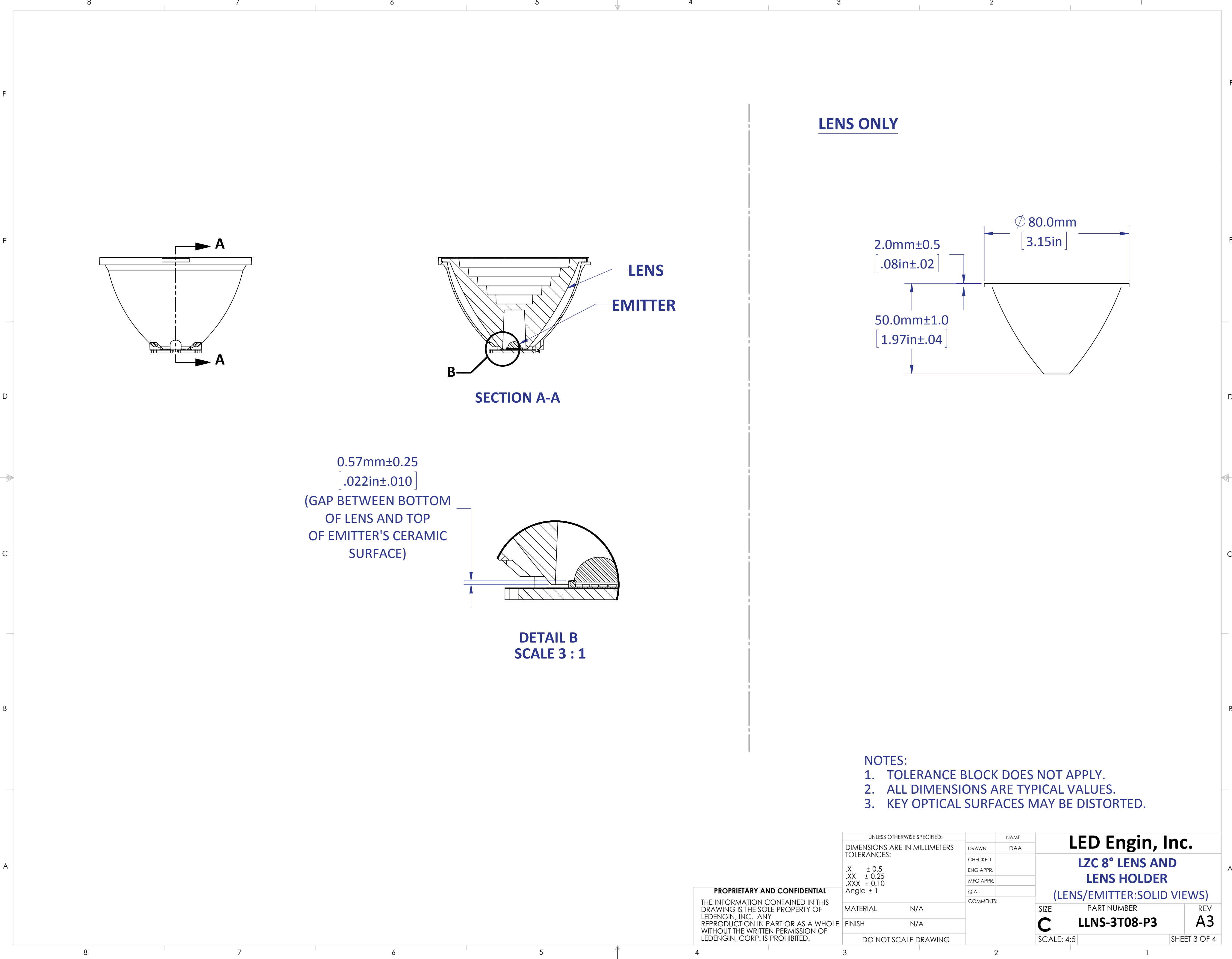


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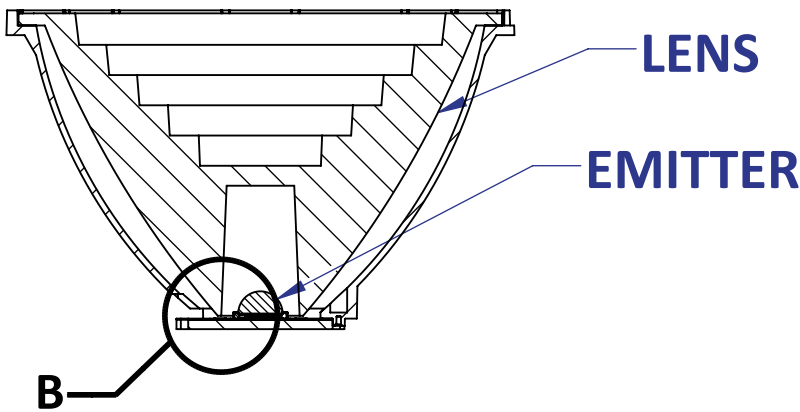
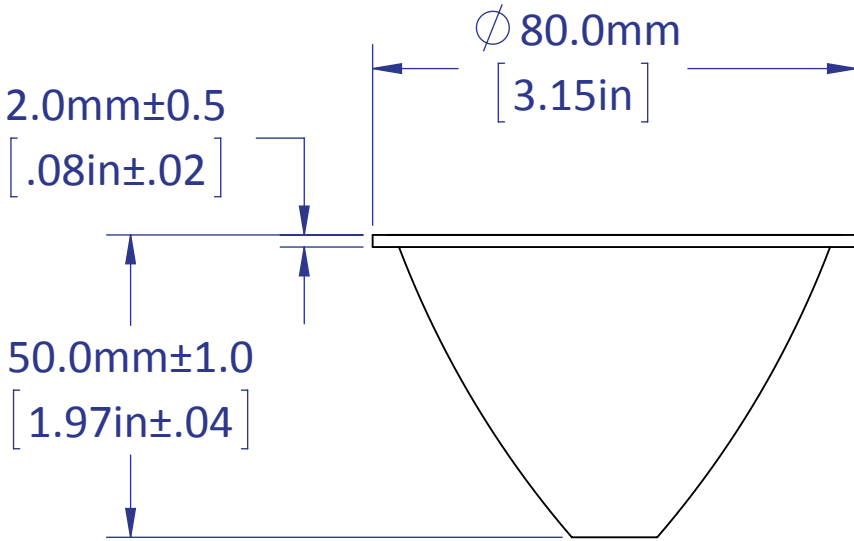
- C

A

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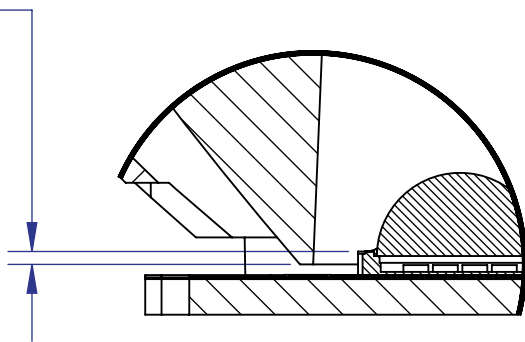


**LENS ONLY**



**SECTION A-A**

0.57mm±0.25  
[.022in±.010]  
(GAP BETWEEN BOTTOM  
OF LENS AND TOP  
OF EMITTER'S CERAMIC  
SURFACE)



**DETAIL B  
SCALE 3 : 1**

- NOTES:**
1. TOLERANCE BLOCK DOES NOT APPLY.
  2. ALL DIMENSIONS ARE TYPICAL VALUES.
  3. KEY OPTICAL SURFACES MAY BE DISTORTED.

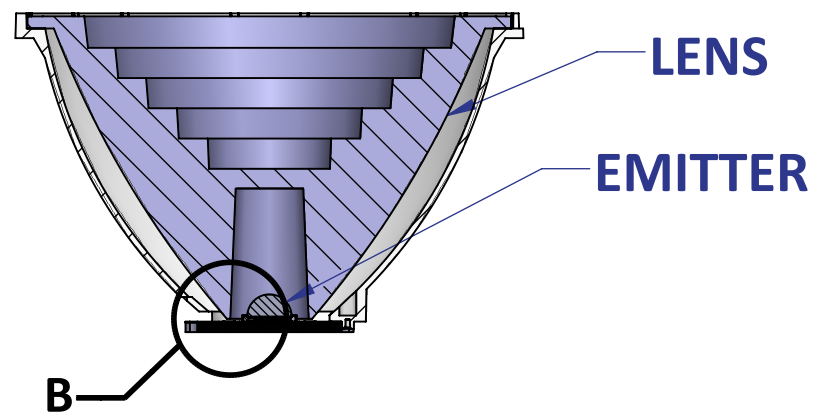
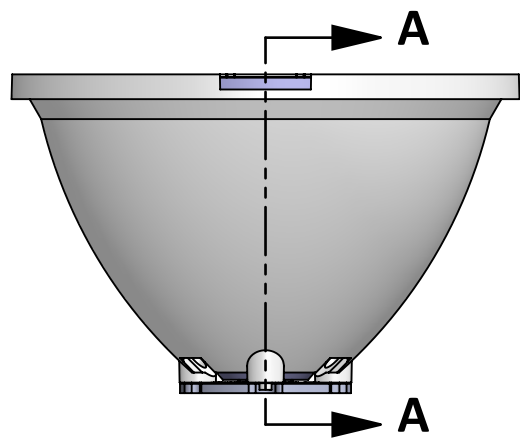
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UNLESS OTHERWISE SPECIFIED:		NAME		
DIMENSIONS ARE IN MILLIMETERS TOLERANCES:  .X     ± 0.5 .XX   ± 0.25 .XXX ± 0.10 Angle ± 1		DRAWN	DAA	
		CHECKED		
		ENG APPR.		
		MFG APPR.		
		Q.A.		
MATERIAL		COMMENTS:		
FINISH				
DO NOT SCALE DRAWING				
		SIZE	PART NUMBER	REV
		C	LLNS-3T08-P3	A3
		SCALE: 4:5	SHEET 3 OF 4	

**LED Engin, Inc.**

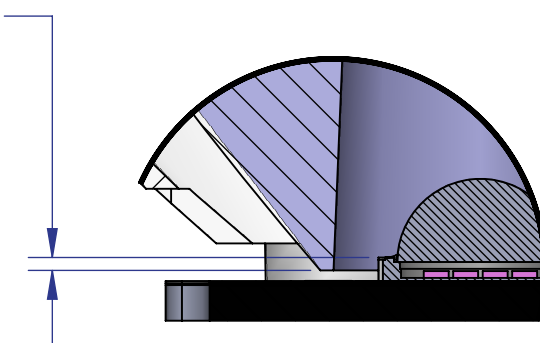
**LZC 8° LENS AND  
LENS HOLDER**

(LENS/EMITTER:SOLID VIEWS)



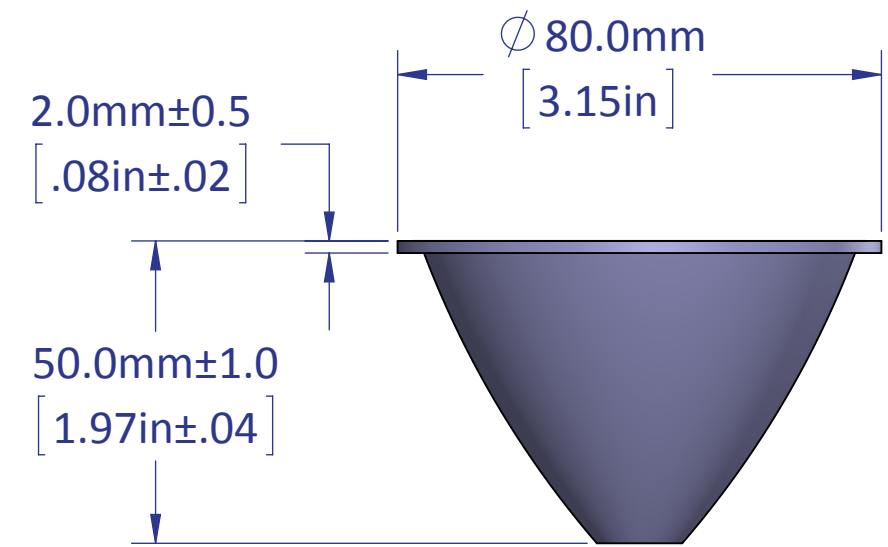
SECTION A-A

0.57mm±0.25  
[.022in±.010]  
(GAP BETWEEN BOTTOM  
OF LENS AND TOP  
OF EMITTER'S CERAMIC  
SURFACE)



DETAIL B  
SCALE 3 : 1

## LENS ONLY



### NOTES:

1. TOLERANCE BLOCK DOES NOT APPLY.
2. ALL DIMENSIONS ARE TYPICAL VALUES.
3. KEY OPTICAL SURFACES MAY BE DISTORTED.

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UNLESS OTHERWISE SPECIFIED:	
DIMENSIONS ARE IN MILLIMETERS	
TOLERANCES:	
.X	± 0.5
.XX	± 0.25
.XXX	± 0.10
Angle	± 1
MATERIAL	N/A
FINISH	N/A
DO NOT SCALE DRAWING	

NAME	
DRAWN	DAA
CHECKED	
ENG APPR.	
MFG APPR.	
Q.A.	
COMMENTS:	

**LED Engin, Inc.**

**LZC 8° LENS AND  
LENS HOLDER**  
(LENS/EMITTER:SHADED VIEWS)

SIZE	PART NUMBER	REV
<b>C</b>	<b>LLNS-3T08-P3</b>	<b>A3</b>
SCALE: 4:5		SHEET 4 OF 4