

# AL-xxM-119

Lens for Nichia NCSU276 Package



AL-12M-119	
Distribution Angle	8°
Base LED	NCSU276
Material	Silicone
Height	10.25mm
Width at Base	8.8mm
Color	Transparent
Status	Available



AL-35M-119	
Distribution Angle	50°
Base LED	NCSU276
Material	Silicone
Height	5.56mm
Width at Base	8mm
Color	Transparent
Status	Available

# AL-xxM-119

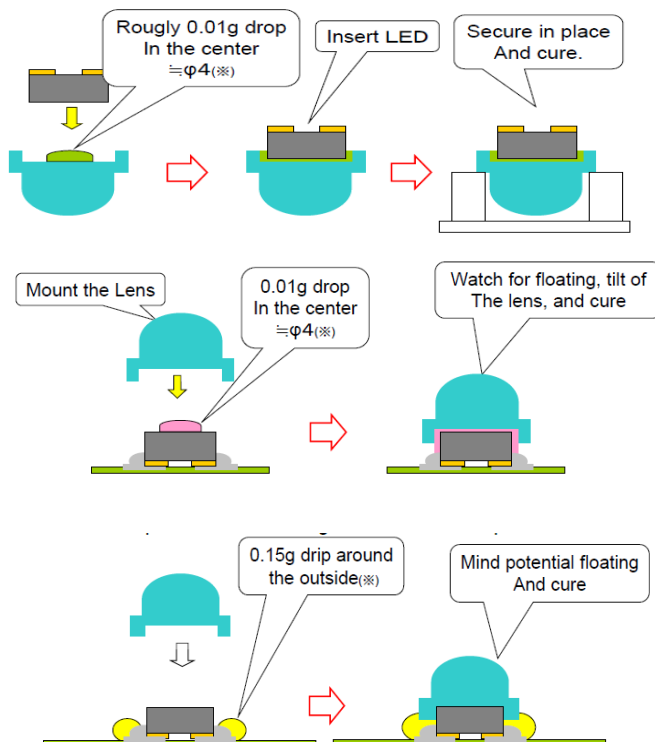
Lens for Nichia NCSU276 Package

## Notes:

These products are designed with an optimized balance of high radiant output, even distribution, and a small form factor, designed to be used with NCSU276 package LEDs.

## Attachment:

These lenses are not self-adhesive and must be attached using some type of adhesive or mechanical attachment. Some possible methods of adhesion are detailed below.



1) Attach LED to Lens before soldering to PCB.

Invert, and use a silicone adhesive for optimal optical properties, and to avoid yellowing during any curing or soldering processes.

2) Attach LED to Lens following soldering to PCB.

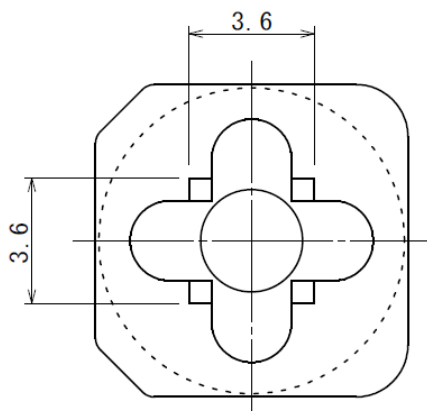
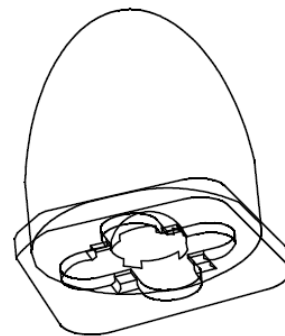
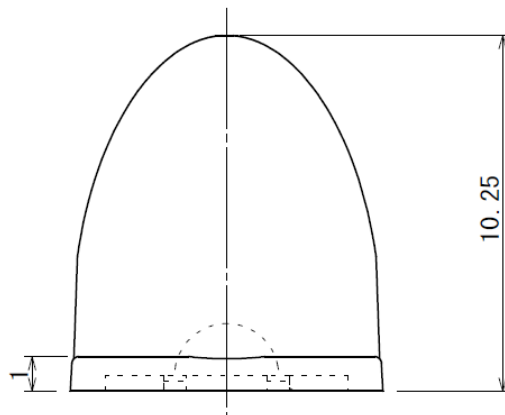
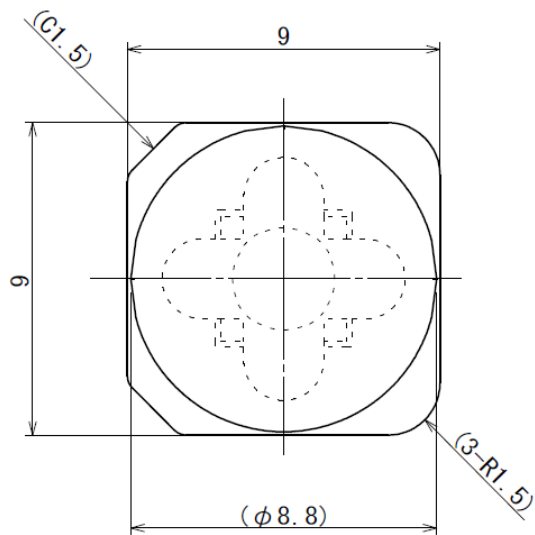
Once again, use a silicone adhesive for optimal optical properties.

3) Attach the lens to the LED surrounding the PCB.

The composition of the adhesive in this case is less critical as long as adhesion is achieved.



Note: Different adhesives can lend slightly different optical properties to the lens+LED Assembly. Please contact a sales representative for a list of recommended adhesives.

1		2		3		4 [ C / P ]		CAD 2RD
O	SPECIFICATIONS <仕様図>	SURFACE TREATMENT <表面処理>	SYM	DATE	REVISION	REVR	APPR	
	REFERENCE <参考図>	HEAT TREATMENT <熱処理>	△ ×					
		FINISH <仕上げ>	△ ×					



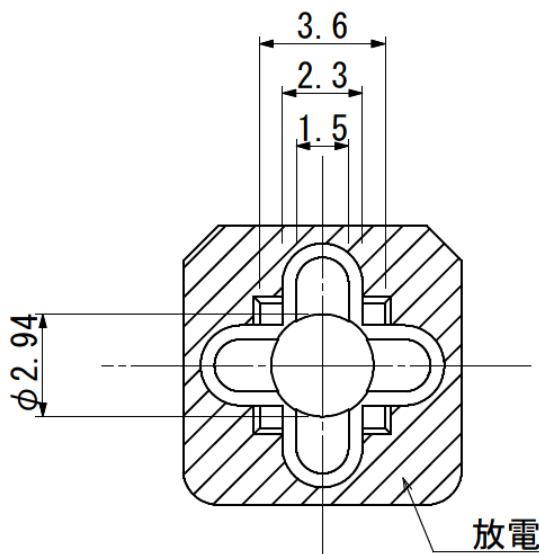
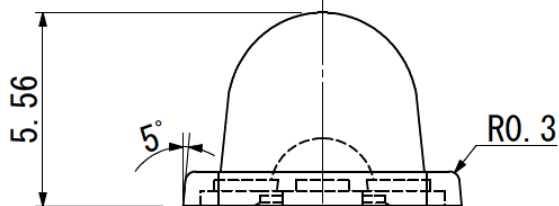
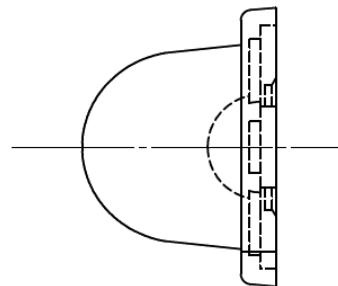
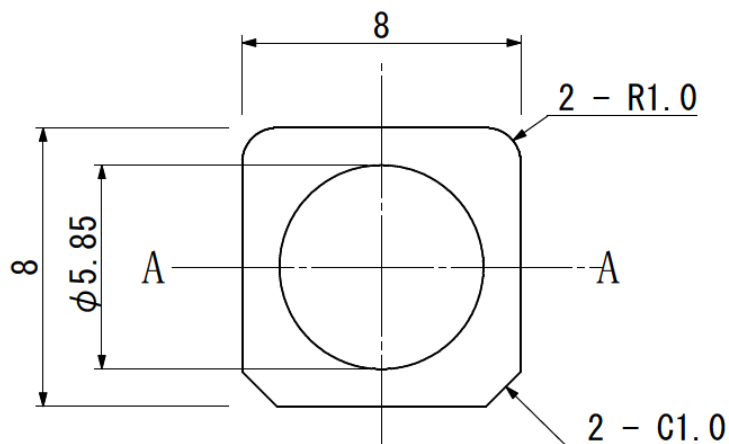
Notes:  
 Transparency is ≥92% across visible spectrum  
 Remaining burrs acceptable if under 0.2mm.  
 Scratches on the flange are acceptable  
 Scratches on the lens surface are acceptable if under 0.05mm  
 UL94-HB Compliant\*

\*UL Complyancy is based on material maker certification and internal equivalency testing

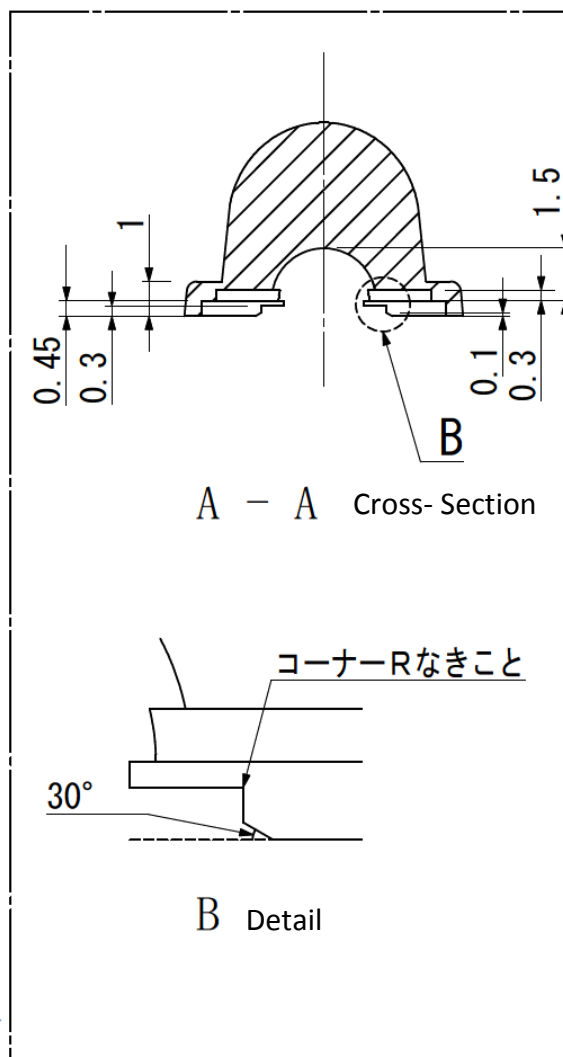
TOLERANCE UNLESS SPECIFIED				ORIGINAL DATE 2012/08/31		MATERIAL (COMPOUND) Dimethyl Silicone		TITLE AL-12M-119					
RANGE	A	B	C	SCALE 5:1	UNIT mm	COLOR Transparency	HARDNESS (A80)	DRAWING NO. 12083101M					
LESS THAN 6	±0.2	±0.1	±0.1	SIZE A4	3RD ANGLE SYSTEM 			DESIGN	DRAWN	CHECKED	APPROVED		
OVER 6 TO 20	±0.3	±0.2	±0.1					T. Motoyanagi	T. Motoyanagi	S. Endo	M. Tasaki		
OVER 20 TO 50	±0.5	±0.3	±0.2										
OVER 50 TO 100	±1.0	±0.5	±0.3										
OVER 100 TO 300	±2.0	±1.0	±0.5										
OVER 300 TO 500	±5.0	±2.5	±1.0	 <b>ASAHI RUBBER INC.</b> 株式会社朝日ラバー									
ANGLE	±2°												

**ASAHI RUBBER INC.**  
 株式会社朝日ラバー

1	2	3	4	C/P	2RD
SPECIFICATIONS <仕様図>	SURFACE TREATMENT <表面処理>	SYM	DATE	REVISION	REVR
REFERENCE <参考図>	HEAT TREATMENT <熱処理>	1 x			
	FINISH <仕上げ>	2 x			
		3 x			





※放電粗さ：10ミクロン



NOTE)

・寸法公差 ±0.2

TOLERANCE UNLESS SPECIFIED				ORIGINAL DATE		MATERIAL (COMPOUND)		TITLE				
RANGE	A	B	C	2011/07/28		Silicone Rubber		AL - 35M -119				
LESS THAN 6	±0.2	±0.1	±0.1	SCALE	5:1	UNIT	mm	COLOR	DRAWING NO.			
OVER 6 TO 20	±0.3	±0.2	±0.1									
OVER 20 TO 50	±0.5	±0.3	±0.2	SIZE	3RD ANGLE SYSTEM	HARDNESS	Transparent	DRAWING NO.				
OVER 20 TO 100	±1.0	±0.5	±0.3									
OVER 100 TO 300	±2.0	±1.0	±0.5	A 4				DESIGN				
OVER 300 TO 500	±5.0	±2.5	±1.0					DRAWN				
ANGLE	±2°			 <b>ASAHI RUBBER INC.</b> 株式会社朝日ラバー				CHECKED				
								S. Tonegawa				
								DRAWN				
								CHECKED				
								APPROVED				
								S. Tonegawa				
								S. Tonegawa				
								H. Sato				
								M. Tasaki				

## Distribution Data

