


**Product number** **FCN11459\_LC1-M2**

Family	Leila	FWHM	(simulated) 28
Type	Pack	Efficiency	-
LED	XR-E	cd/lm	-
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	16.5 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Glue		
Status	On production		


**Product number** **FCN10808\_LC1-RS**

Family	Leila	FWHM	6 degrees
Type	Pack	Efficiency	-
LED	XR-E	cd/lm	-
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	16.5 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Glue		
Status	On production		


**Product number** **FCN10810\_LC1-D**

Family	Leila	FWHM	10 degrees
Type	Pack	Efficiency	-
LED	XR-E	cd/lm	-
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	16.5 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Glue		
Status	On production		


**Product number** **FCN11104\_LC1-O-90**

Family	Leila	FWHM	10+42 degrees
Type	Pack	Efficiency	85 %
LED	XR-E	cd/lm	-
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	16.5 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Glue		
Status	On production		

Product number **FCN11372\_LC1-MD**

Family	Leila	FWHM	24 degrees
Type	Pack	Efficiency	90 %
LED	XR-E	cd/lm	-
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	16.5 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Glue		
Status	On production		

Product number **FCN10807\_LC1-M**

Family	Leila	FWHM	28 degrees
Type	Pack	Efficiency	-
LED	XR-E	cd/lm	-
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	16.5 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Glue		
Status	On production		

Product number **FCN10809\_LC1-REC**

Family	Leila	FWHM	42+22 degrees
Type	Pack	Efficiency	-
LED	XR-E	cd/lm	-
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	16.5 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Glue		
Status	On production		

**NOTE: The typical divergence will be changed by different color, chip size and chip position tolerance. The typical total divergence is the full angle measured where the luminous intensity is half of the peak value.**

**GENERAL INFORMATION**

- Product series especially designed & optimized for XR-E series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Lens material optical grade PMMA with high UV and temperature resistance. Allows use of high current and temperature conditions.

Please find more information about used material from below:

[http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%208N%20UL94\\_Yellow%20Card.pdf](http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%208N%20UL94_Yellow%20Card.pdf)  
<http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%208N%20PLEXIGLAS-Datasheet.pdf>

- Optic holder molded by high quality PC material (120 dergees of Celcius / 248 degrees of Fahrenheit).
- Fastening to PCB with appropriate adhesive. By clicking link below you can find Ledil recommended glue options.  
[http://www.ledil.com/datasheets/DataSheet\\_GLUES.pdf](http://www.ledil.com/datasheets/DataSheet_GLUES.pdf)

**NOTE 1: We advise customer to ensure the suitability and sufficiency of the bond in the end product. For example, mechanical stress, vibration and holes on the surface of the circuit board weaken the strength of the glue.**

**NOTE 2: All surfaces where glue is applied must be clean, dry and free from grease and dirt. If cleaning of PCB surfaces is needed, please follow strictly the cleaning instructions of your LED manufacturer -this is important as cleaning shall under no circumstances damage LEDs or other electronics components on the PCB.**

**Further note that optical components shall not be cleaned with any chemicals - only micro fiber cloth may be used to remove fingerprints or other traces from handling.**

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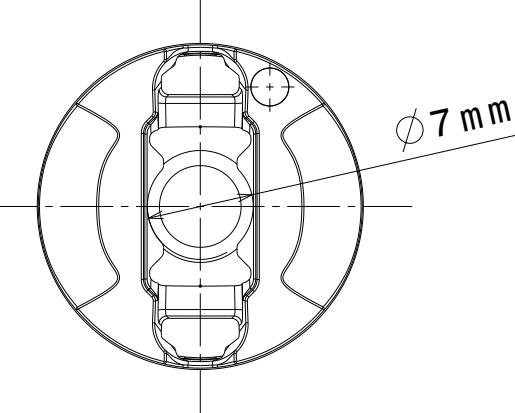
C

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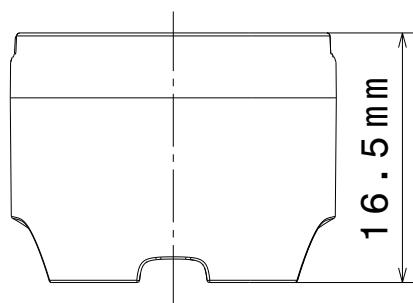
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4



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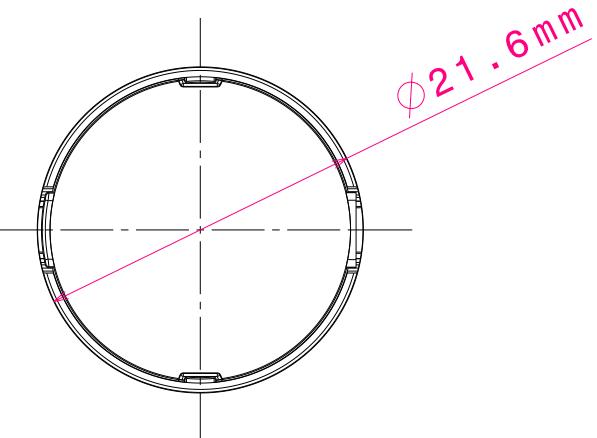
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Materials:  
Lens PMMA  
Holder PC



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**LEDIL**  
DRAWING TITLE

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Fe  
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DRAWN BY  
p  
DATE  
29.04.2009

Datasheet LC1-Series Assy

REV  
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CHECKED BY  
t k  
DATE  
29.04.2009

SIZE A4  
DRAWING NUMBER  
SCALE 2:1 WEIGHT(g)

DESIGNED BY  
HH  
DATE  
21.02.2008

SHEET 1/1

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