

**Ordering number FCN11103\_LE1-O-90**

Family	Leila	FWHM	(simulated) 40+20
Type	-	Efficiency	(simulated) 0 %
LED	LZ1 (00xW00)	cd/Im	-
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	15.1 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Glue		
Status	Ready		

**Ordering number FCN11454\_LE1-M2**

Family	Leila	FWHM	(simulated) 30
Type	-	Efficiency	(simulated) 0 %
LED	LZ1 (00xW00)	cd/Im	-
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	15.1 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Glue		
Status	Ready		

**Ordering number FCN10784\_LE1-RS**

Family	Leila	FWHM	8 degrees
Type	-	Efficiency	(simulated) 0 %
LED	LZ1 (00xW00)	cd/Im	-
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	15.1 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Glue		
Status	Ready		

**Ordering number FCN10786\_LE1-D**

Family	Leila	FWHM	10 degrees
Type	-	Efficiency	(simulated) 0 %
LED	LZ1 (00xW00)	cd/Im	-
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	15.1 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Glue		
Status	Ready		

**Ordering number FCN10783\_LE1-M**

Family	Leila	FWHM	24 degrees
Type	-	Efficiency	91 %
LED	LZ1 (00xW00)	cd/lm	-
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	15.1 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Glue		
Status	Ready		

**Ordering number FCN10785\_LE1-REC**

Family	Leila	FWHM	38+24 degrees
Type	-	Efficiency	(simulated) 0 %
LED	LZ1 (00xW00)	cd/lm	-
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	15.1 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Glue		
Status	Ready		

**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 LZ1 (00xW00) 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 (105 degrees of Celcius / 220 degrees of Fahrenheit). 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%20N%20UL94\\_Yellow%20Card.pdf](http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%20UL94_Yellow%20Card.pdf)

<http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%20PLEXIGLAS-Datasheet.pdf>

- Optic holder molded by high quality PC material (120 dergees of Celcius / 248 degrees of Fahrenheit).

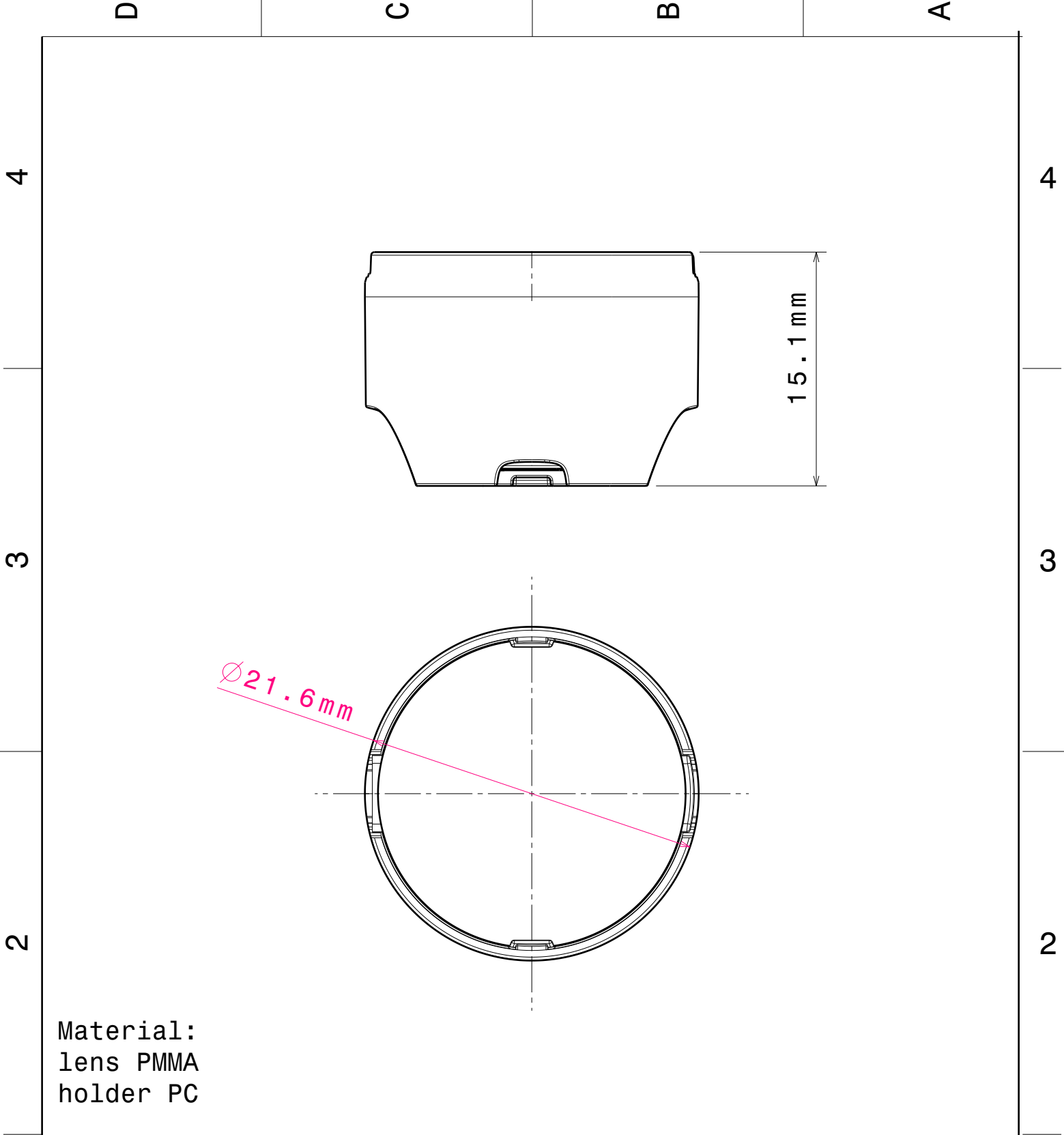
- Fastening to PCB with appropriate adhesive. By clicking link below you can find Ledil recommended glue options.

[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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DRAWING TITLE

Datasheet LE1-series assy

DRAWN BY

H

DATE

31.01.2008

CHECKED BY

T

K

DATE

31.01.2008

DESIGNED BY

HH

DATE

31.01.2008

SIZE

A4

DRAWING NUMBER

REV

0.1

SCALE

3:1

WEIGHT (g)

SHEET

1/1

D

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