PRODUCT DATASHEET
Leila series
last update 11/6/2012

Ordering number FA11449_LC1-M2

Family	Leila	FWHM	(simulated) 28
Type	Assembly	Efficiency	(simulated) 0 %
LED	XR-E	cd/lm	-
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	16.5 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	Ready		

Ordering number FA10653_LC1-RS

Family	Leila	FWHM	6 degrees
Type	Assembly	Efficiency	(simulated) 0 %
LED	XR-E	cd/lm	-
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	16.5 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	Ready		

Ordering number FA11105_LC1-O-90

Family	Leila	FWHM	10+42 degrees
Type	Assembly	Efficiency	(simulated) 0 %
LED	XR-E	cd/lm	-
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	16.5 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	Ready		

Ordering number FA10655_LC1-D

Family	Leila	FWHM	10 degrees
Type	Assembly	Efficiency	(simulated) 0 %
LED	XR-E	cd/lm	-
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	16.5 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	Ready		

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PRODUCT DATASHEET
Leila series
last update 11/6/2012

Ordering number FA10654_LC1-REC

Family	Leila	FWHM	22+42 degrees
Type	Assembly	Efficiency	(simulated) 0 %
LED	XR-E	cd/lm	-
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	16.5 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	Ready		

Ordering number FA11373_LC1-MD

Family	Leila	FWHM	24 degrees
Type	Assembly	Efficiency	(simulated) 0 %
LED	XR-E	cd/lm	-
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	16.5 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	Ready		

Ordering number FA11045_LC1-W

Family	Leila	FWHM	54 degrees
Type	Assembly	Efficiency	(simulated) 0 %
LED	XR-E	cd/lm	-
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	16.5 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	Ready		

Ordering number FA11134_LC1-W

Family	Leila	FWHM	54 degrees
Type	Assembly	Efficiency	(simulated) 0 %
LED	XR-E	cd/lm	-
Color	Black	Gerber File	Available
Diameter	21.6 mm		
Height	14.6 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Tape		
Status	Ready		

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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.

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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 (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%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 heat sink with a PU foam adhesive tape of automotive grade. Please find fastening details by clicking link: http://www.ledil.com/datasheets/DataSheet_TAPE.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 boar weaken the strength of the tape.

NOTE 2: Assembly to the surface must be made straight, so the tape bonds constant and balanced with fastening surface. Slanted assembly might cause unbalanced bond to the surface. All surfaces where tape 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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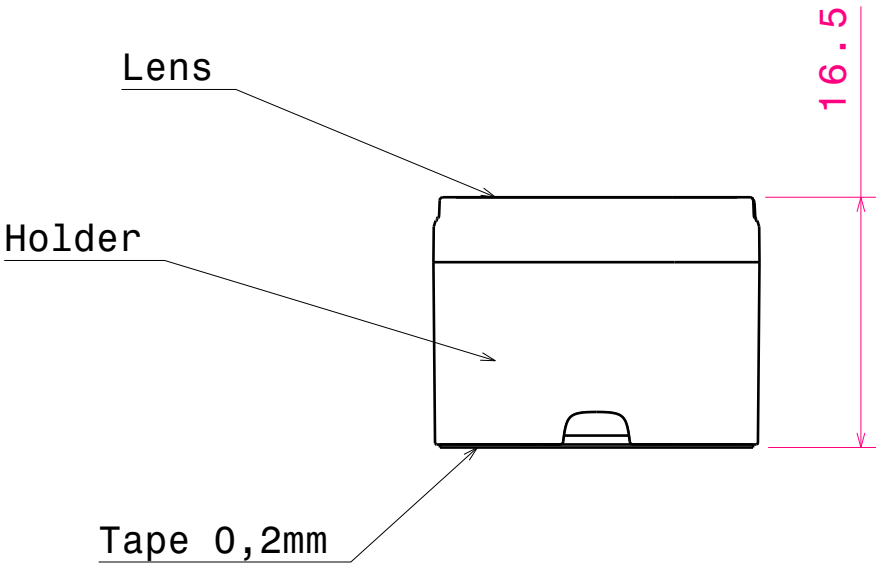

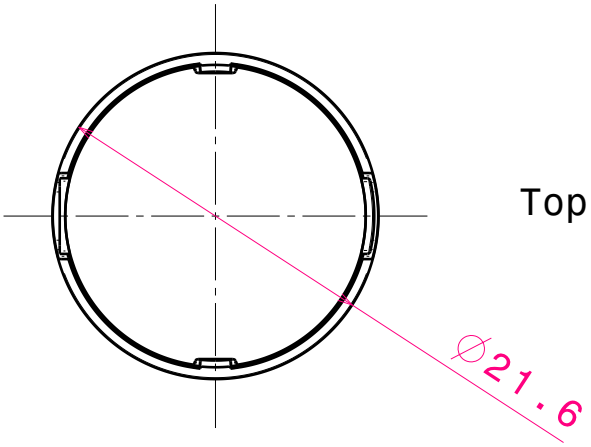

MATERIALS
Lens: PMMA
Holder: PC
Tape: PU Foam

Part no.s:
FA10652_LC1-M
FA10653_LC1-RS
FA10654_LC1-REC
FA10655_LC1-D
FA11045_LC1-W-Tape
FA11105_LC1-O-90
FA11373_LC1-MD-Tape
FA11449_LC1-M2

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LEDIL Lens Technologies

DRAWING TITLE
Datasheet Assembly LC1-series

DRAWN BY	DATE	SIZE	DRAWING NUMBER	REV
p	17.01.2011	A4	-	1
CHECKED BY	DATE			
t k	25.09.2008			
DESIGNED BY	DATE	SCALE 2:1	WEIGHT(g) -	SHEET 1/1
HH	24.07.2008			