

PRODUCT DATASHEET Lisa2 series

last update 24/9/2013

Optic Material

Status

Holder Material Fastening





Ordering number FP11086_LISA2-RS-CLIP

FWHM Family Lisa2 18 degrees Type Assembly Efficiency 89 % LED LUXEON Rebel cd/lm Color Black Gerber File Available Diameter 9.9 mm Height 6.6 mm Style Round

Ready Ordering number FP11072_LISA2-M-CLIP

PMMA

Clips, glue

PC

FWHM Family Lisa2 25 degrees Type Assembly Efficiency 90 % **LED LUXEON Rebel** cd/lm Color Black Gerber File Available

Diameter 9.9 mm Height 6.6 mm Style Round **PMMA** Optic Material Holder Material PC Fastening Clips, glue Status Ready

Ordering number FP11073_LISA2-W-CLIP

FWHM 36 degrees Family Lisa2 Assembly Efficiency 90 % Type LUXEON Rebel 1.800 **LED** cd/lm Available Color Black Gerber File

Diameter 9.9 mm 6.6 mm Height Round Style **PMMA** Optic Material Holder Material PC Fastening Clips, glue Status Ready

Ordering number FP11122_LISA2-O-CLIP

9.9 mm

Family Lisa2 **FWHM** 48+19 degrees Assembly Efficiency 83 % Type LED LUXEON Rebel cd/lm 2.150 Color Black Gerber File Available

Height 6.6 mm Style Round Optic Material **PMMA** Holder Material PC Fastening

Diameter

Clips, glue Status Ready



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Ordering number FP11858_LISA2-O-90-CLIP

Family Lisa2 Type Assembly LED LUXEON Rebel Color Black Diameter 9.9 mm Height 6.6 mm Style Round **PMMA** Optic Material PC Holder Material Clips, glue Fastening Ready Status

FWHM 48+19 degrees
Efficiency 83 %
cd/lm Gerber File Available

Ordering number FP11952 Description

Family Lisa2 Type Assembly LED **LUXEON Rebel** Color Black Diameter 9.9 mm Height 6.6 mm Round Style **PMMA** Optic Material Holder Material PC Fastening Status Ready

FWHM 80 degrees
Efficiency 79 %
cd/lm Gerber File Available

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 LUXEON Rebel 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

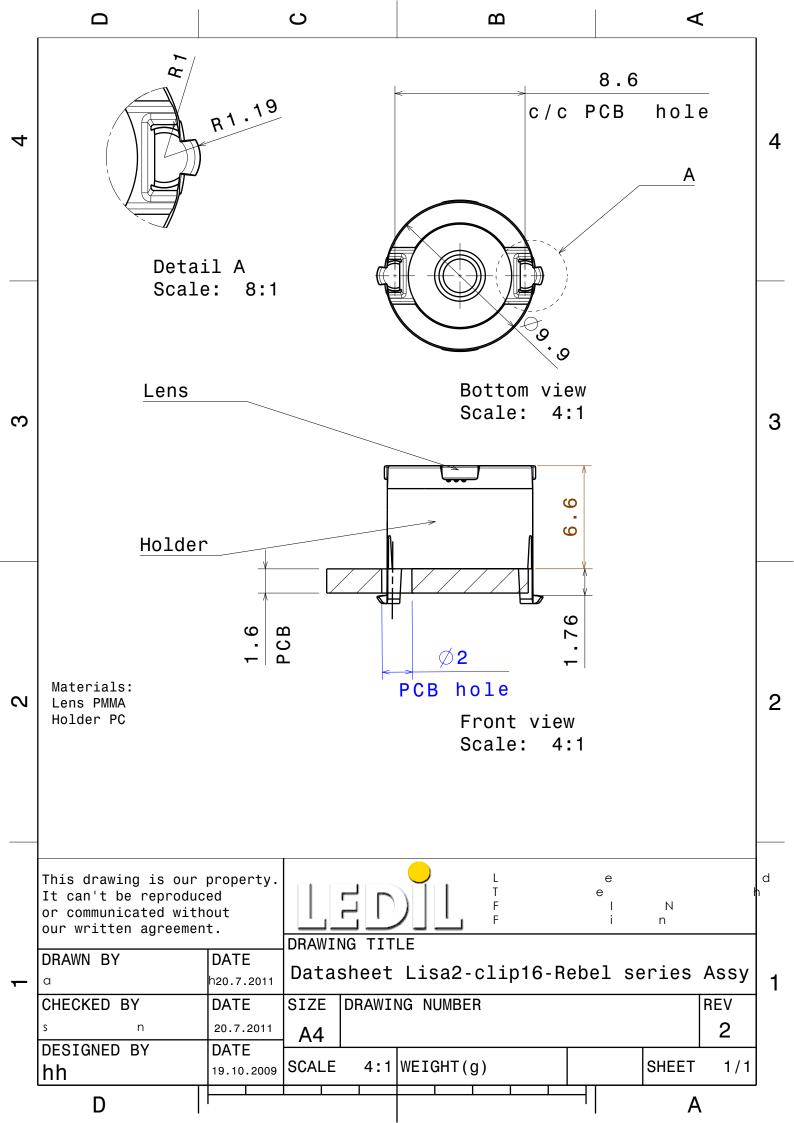
- Optic holder molded by high quality PC material (120 dergees of Celcius / 248 degrees of Fahrenheit).
- Fastening to PCB with appropriate adhesive. By clicking link below you can find Ledil recommended glue options.

http://www.ledil.com/datasheets/DataSheet_GLUES.pdf

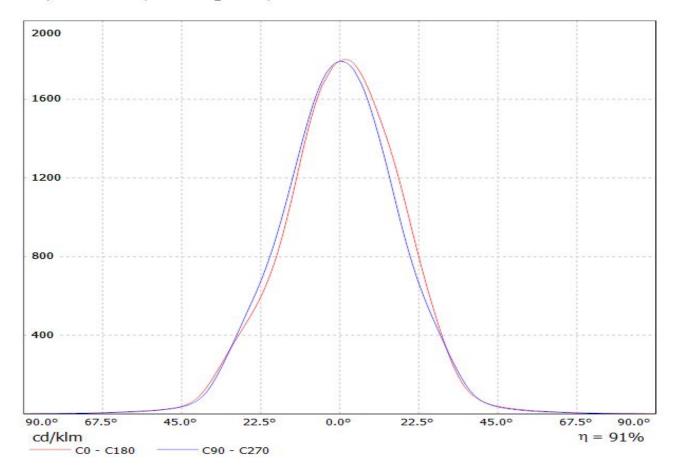
NOTE 1: We advise customer to ensure the suitability and sufficiency of the bond in the end product. For example, mechanical stress, vibration and holes on the surface of the circuit boar weaken the strength of the glue.

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.

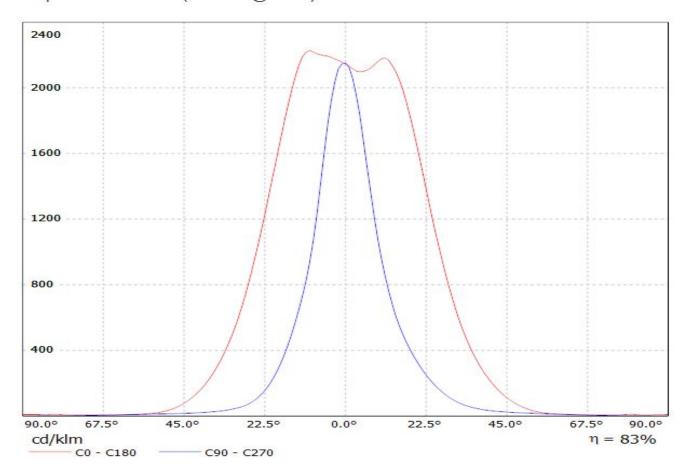
Further note that optical components shall not be cleaned with any chemicals - only micro fiber cloth may be used to remove fingerprints or other traces from handling.



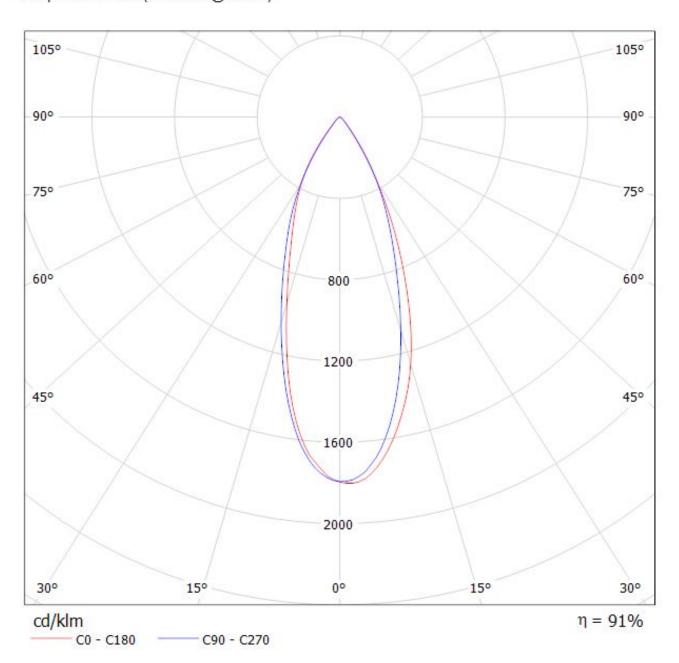
Luminaire: LEDiL Oy FP10993 & FP11073_LISA2-W_(Rebel) Eff.91.3% Lamps: 1 x REBEL (80.0891Im@250mA)



Luminaire: LEDiL Oy FP11126 & FP11122_LISA2-O (Luxeon Rebel) Eff.82.6% Lamps: 1 x Luxeon Rebel (80.0891lm@250mA)



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