

PRODUCT DATASHEET Lisa2 series

last update 25/10/2012

Optic Material

Optic Material Holder Material

Fastening

Status

Status

Holder Material Fastening





Ordering number FP11056_LISA2-RS-PIN

FWHM Family Lisa2 18 degrees Type Assembly Efficiency 91 % LED LUXEON Rebel cd/lm Color Black Gerber File Available Diameter 9.9 mm Height 6.6 mm Style Round

Ordering number FP10992_LISA2-M-PIN

PMMA

Pin, glue Ready

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

Ordering number FP10993_LISA2-W-PIN

PMMA

Pin, glue

Ready

PC

FWHM 36 degrees Family Lisa2 Efficiency 90 % Type Assembly LUXEON Rebel 1.800 LED cd/lm Available Color Black Gerber File Diameter 9.9 mm 6.6 mm Height

Height 6.6 mm
Style Round
Optic Material PMMA
Holder Material PC
Fastening Pin, glue
Status Ready

Ordering number FP11126_LISA2-O-PIN

Family Lisa2 **FWHM** 48+19 degrees Assembly Efficiency 83 % Type LED LUXEON Rebel cd/lm 2.150 Color Black Gerber File Available Diameter 9.9 mm

Height 6.6 mm

Style Round

Optic Material PMMA

Holder Material PC

Fastening Pin, glue

Status Ready



PRODUCT DATASHEET Lisa2 series

last update 25/10/2012





Ordering number FP11853_LISA2-O-90-PIN

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 Pin, glue Fastening Status Ready

Efficiency 83 % cd/lm -

48+19 degrees

FWHM

Gerber File Available

Ordering number FP11951_LISA2-WWW-PIN

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



PRODUCT DATASHEET Lisa2 series

last update 25/10/2012



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.

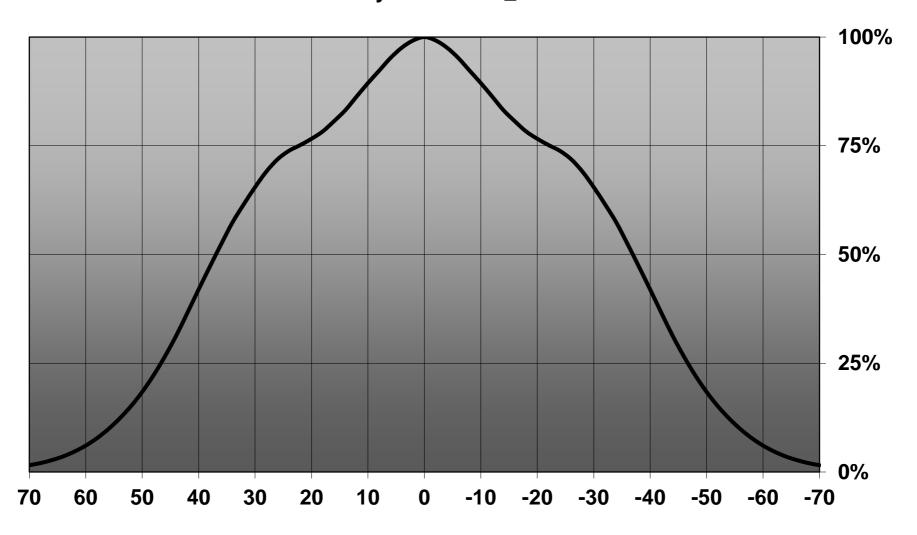
http://www.ledil.com/datasheets/DataSheet_GLUES.pdf

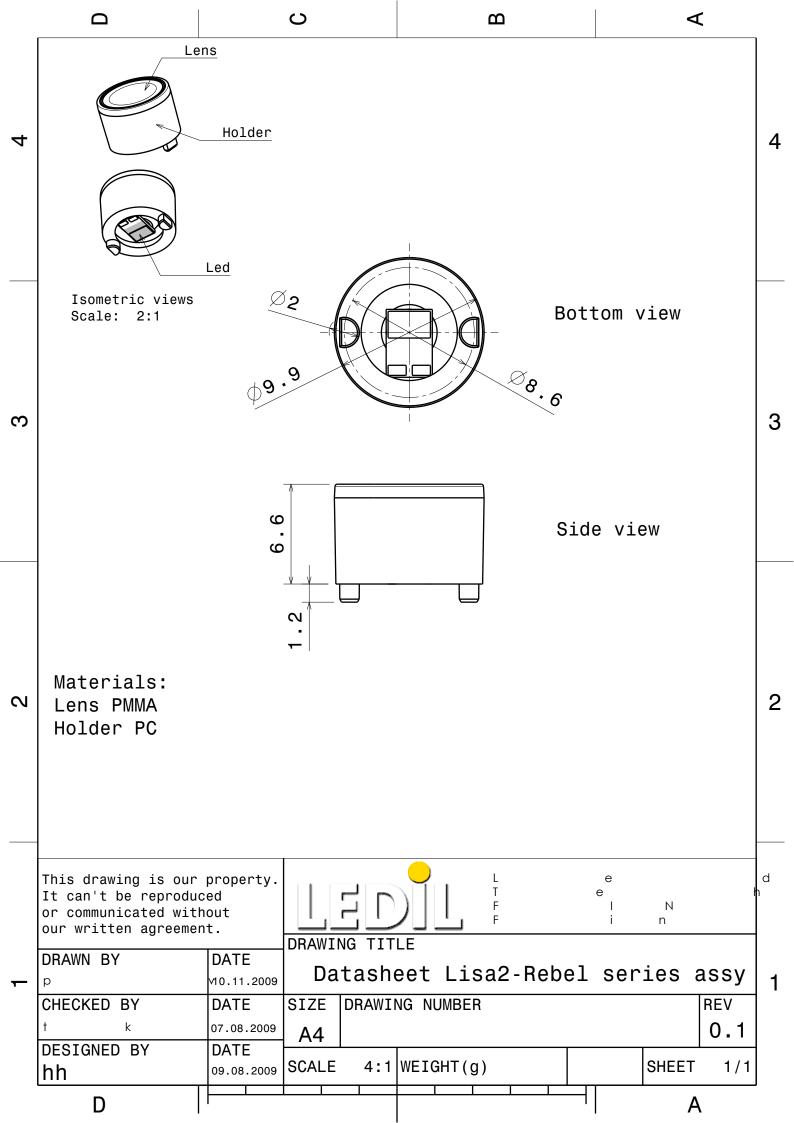
NOTE 1: We advise customer to ensure the suitability and sufficiency of the bond in the end product. For example, mechanical stress, vibration and holes on the surface of the circuit boar weaken the strength of the glue.

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.

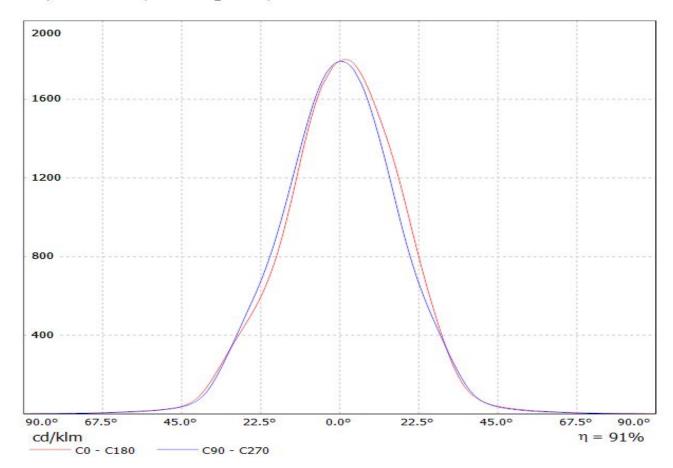
Further note that optical components shall not be cleaned with any chemicals - only micro fiber cloth may be used to remove fingerprints or other traces from handling.

Relative intensity of FA11951_Lisa2-WWW-Pin-RE

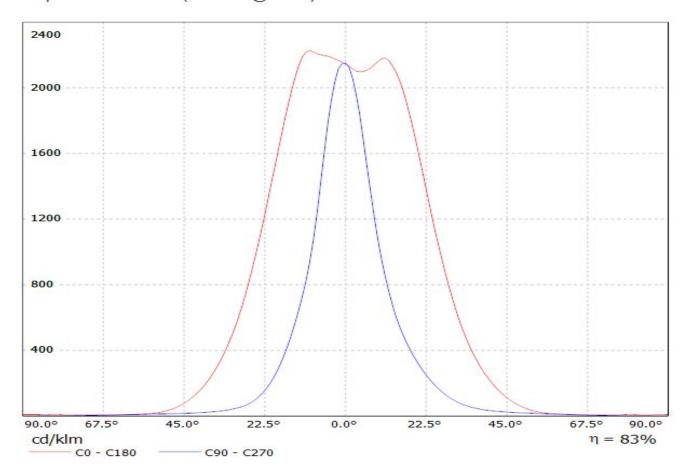




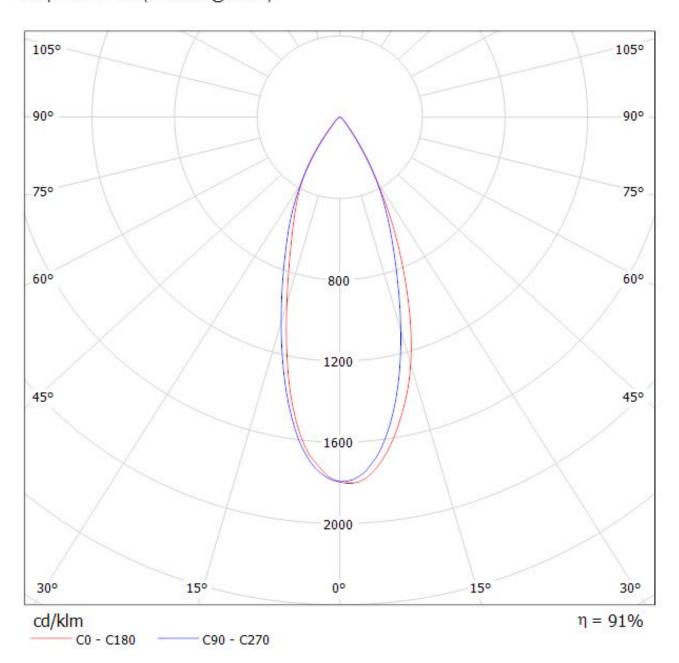
Luminaire: LEDiL Oy FP10993 & FP11073_LISA2-W_(Rebel) Eff.91.3% Lamps: 1 x REBEL (80.0891Im@250mA)



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



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)

