





Ordering number FA11067 Description FA11067_LM1-O-90

Family Leila Type Lens LED MC-E Color Black Diameter 21.6 mm Height 14.04 mm Style Round **PMMA** Optic Material PC Holder Material Tape Fastening Status Ready

FWHM (simulated) 38+26

cd/lm Gerber File Available

Efficiency



Ordering number FA11447 Description FA11447_LM1-M2

Family Type Assembly **LED** MC-E Color Black Diameter 21.6 mm Height 14.04 mm Style Round **PMMA** Optic Material PC Holder Material Fastening Tape Status Ready

FWHM (simulated) 28

20 degrees

Available

Efficiency cd/lm -

Gerber File Available



Ordering number FA10650 Description FA10650_LM1-D

FWHM Family Leila Efficiency Type Lens LED MC-E cd/lm Color Black Gerber File Diameter 21.6 mm Height 14.04 mm Round Style Optic Material **PMMA**

Holder Material PC
Fastening Tape
Status Ready

Optic Material

Fastening

Status

Holder Material



Ordering number FA10613 Description FA10613_LM1-RS

PMMA

PC

Tape

Ready

FWHM 21 degrees Family Leila Efficiency 89 % Type Lens LED MC-E cd/lm Black Gerber File Available Color Diameter 21.6 mm Height 14.04 mm Style Round







Ordering number FA10614 Description FA10614_LM1-M

Family Leila Type Lens LED MC-E Color Black Diameter 21.6 mm Height 14.04 mm Style Round **PMMA** Optic Material PC Holder Material Tape Fastening Status Ready

FWHM 24 degrees
Efficiency 88 %
cd/lm -

Gerber File Available



Ordering number FA10615 Description FA10615_LM1-REC

Family Leila Type Lens **LED** MC-E Color Black Diameter 21.6 mm Height 14.04 mm Style Round **PMMA** Optic Material PC Holder Material Fastening Tape Status Ready

FWHM 38+24 degrees Efficiency 86 %

cd/lm -Gerber File Available

Ordering number FA11827 Description FA11827-LM1-WW

Family Leila Type Lens LED MC-E Color Black Diameter 21.6 mm Height 14.04 mm Round Style Optic Material **PMMA** Holder Material PC Fastening Tape Status Ready

FWHM (simulated) 36

Efficiency - cd/lm -

Gerber File Available

Ordering number FA11894 Description FA11894_LM1-W

Family Leila Type Lens LED MC-E Color Black Diameter 21.6 mm Height 14.04 mm Style Round Optic Material **PMMA** Holder Material PC Fastening Tape

Status

FWHM 28 degrees

Efficiency cd/lm -

Gerber File Available

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 MC-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.