

PRODUCT DATASHEET Twiddle series

last update 14/6/2012





is half of the peak value.

Ordering number FA10737_TWIDDLE-D

Family Twiddle Type Assembly LED XR-E Color Black Diameter 21.5 mm Height 14.4 mm Style Round **PMMA** Optic Material PC Holder Material Tape Fastening Status Ready

Ordering number FA10739_TWIDDLE-M

Family Twiddle Type Assembly LED XR-E Color Black Diameter 21.5 mm 13.2 mm Height Round Style **PMMA** Optic Material PC Holder Material Fastening Tape Status Ready

Efficiency (simulated) 0 % cd/lm -

20 degrees

28 degrees

Available

71 %

Gerber File Available

FWHM

FWHM

cd/lm

Efficiency

Gerber File

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



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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.

