



PRODUCT DATASHEET Cindy-L230 series



Ordering number C10982 Description C10982-Cindy-L230-S

Family Cindy **FWHM** 35 degrees Type Reflector Efficiency LED CL-L230 cd/lm Color Metal Gerber File Available Diameter 22.6 mm Height 12.5 mm

Style Hexagonal
Optic Material PC
Holder Material Fastening Glue
Status Ready

Ordering number C10983 Description C10983

C10983 C10983-Cindy-L230-M

Family Cindy FWHM 51 degrees
Type Reflector Efficiency LED CL-L230 cd/lm Color Metal Gerber File Available

Color Metal
Diameter 22.6 mm
Height 12.5 mm
Style Hexagonal
Optic Material PC
Holder Material

Holder Material Fastening Glue
Status Ready



Ordering number C10984
Description C10984-Cindy-L230-W

Family Cindy FWHM 61 degrees
Type Reflector Efficiency LED CL-L230 cd/lm Color Metal Gerber File Available

Diameter 22.6 mm
Height 12.5 mm
Style Hexagonal
Optic Material PC
Holder Material Fastening Glue
Status Ready

Ordering number C12211

Description C12211-Cindy-L230-M2

Family Cindy FWHM (simulated) 40

Type Reflector Efficiency - LED CL-L230 cd/lm -

Color White Gerber File Available

Diameter 22.6 mm
Height 12.5 mm
Style Hexagonal

Optic Material PC
Holder Material Fastening Glue
Status Ready

No metal coating on back side.





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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 CL-L230 series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Reflector is made of aluminium coated PC (120 degrees of Celcius / 248 degrees of Fahrenheit) with protective lacquer (110 degrees of Celcius / 230 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.

