



## Ordering number CP12684\_TINA2-O

Family	Tina2	FWHM	34+21 degrees
Type	Assembly	Efficiency	85 %
LED	MX-6	cd/lm	2.500
Color	Black	Gerber File	Available
Diameter	16.1 mm		
Height	11 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Glue		
Status	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.**



## PRODUCT DATASHEET

### Tina2 series

last update 8/6/2012

#### GENERAL INFORMATION

- Product series especially designed & optimized for MX-6 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%20N%20UL94\\_Yellow%20Card.pdf](http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%20UL94_Yellow%20Card.pdf)

<http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%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](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 board 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.**

D

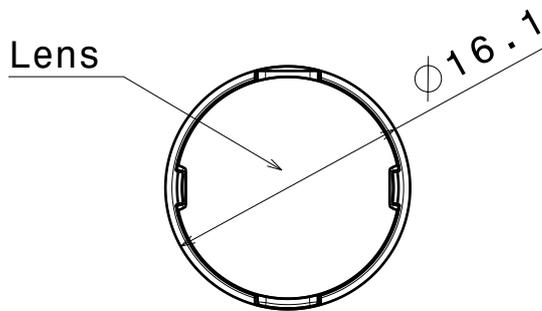
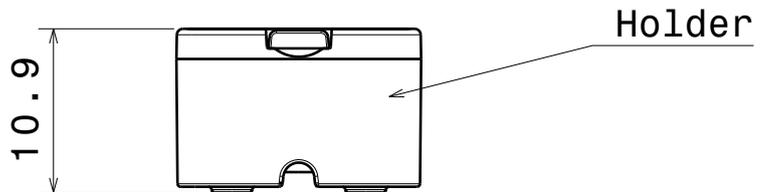
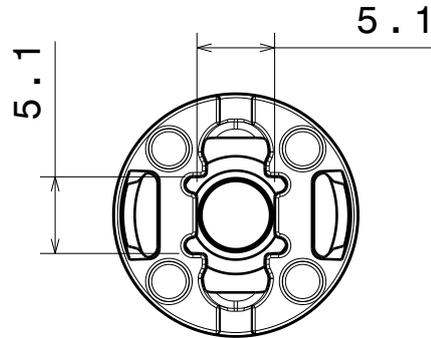
C

B

A



Isometric view  
Scale: 1:1



Materials:  
Lens PMMA  
Holder PC, Black

Tolerances for dimensions:  
0-20mm tolerance value  $\pm 0.1\text{mm}$   
21-45mm tolerance value  $\pm 0.2\text{mm}$   
46-90mm tolerance value  $\pm 0.3\text{mm}$   
91-100mm tolerance value  $\pm 0.4\text{mm}$   
101-mm tolerance value  $\pm 0.5\text{mm}$

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Ledil Oy  
Salorankatu 10  
FIN 24240 SALO  
Finland

DRAWING TITLE

Datasheet Tina2 N83 Glue Assy

DRAWN BY

pv

DATE

11.04.2012

CHECKED BY

sn

DATE

12.03.2012

DESIGNED BY

pv

DATE

12.03.2012

SIZE

A4

DRAWING NUMBER

-

REV

1

SCALE

2:1

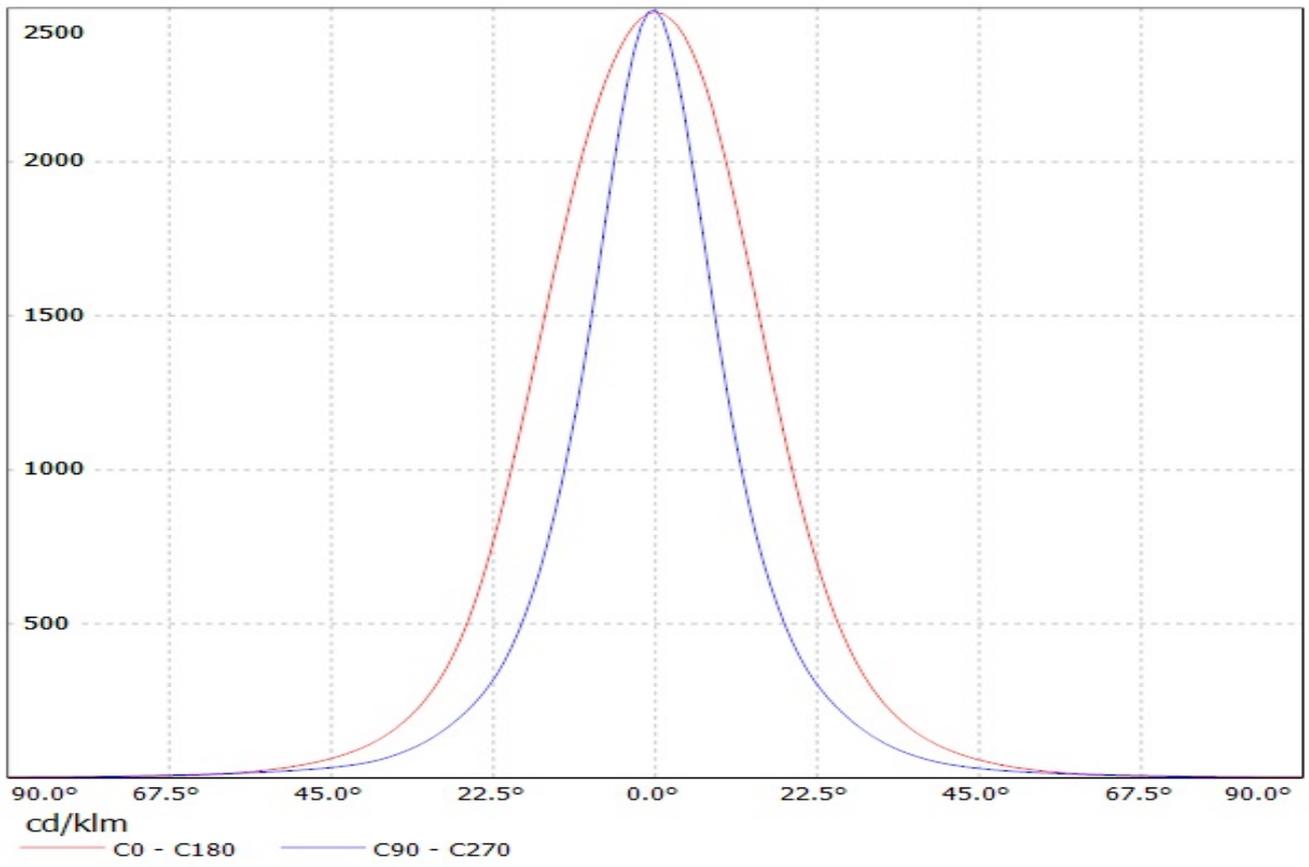
WEIGHT (g)

SHEET

1/1

A

Luminaire: LEDIL OY CP12684\_TINA2-O / CA11173\_TINA2-O (Cree MX-6) Efficiency=85%  
Lamps: 1 x Cree MX-6 (67lm @ 250mA)



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