

# PRODUCT DATASHEET

## Tina series

last update 14/12/2016

**Product number CA12346\_TINA2-RS**

Family	Tina	FWHM	15 degrees
Type	Assembly	Efficiency	92 %
LED	Jade	cd/Im	7.450
Color	White	Gerber File	Available
Diameter	16.1 mm		
Height	9.5 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

**Product number CA12347\_TINA2-D**

Family	Tina	FWHM	17 degrees
Type	Assembly	Efficiency	92 %
LED	Jade	cd/Im	5.500
Color	White	Gerber File	Available
Diameter	16.1 mm		
Height	9.5 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

**Product number CA12348\_TINA2-M**

Family	Tina	FWHM	30 degrees
Type	Assembly	Efficiency	89 %
LED	Jade	cd/Im	2.280
Color	White	Gerber File	Available
Diameter	16.1 mm		
Height	9.5 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

**Product number CA12349\_TINA2-O**

Family	Tina	FWHM	36+18 degrees
Type	Assembly	Efficiency	92 %
LED	Jade	cd/Im	3.020
Color	White	Gerber File	Available
Diameter	16.1 mm		
Height	9.5 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

**Product number** CA12350\_TINA2-W

Family	Tina	FWHM	51 degrees
Type	Assembly	Efficiency	90 %
LED	Jade	cd/Im	1.400
Color	White	Gerber File	Available
Diameter	16.1 mm		
Height	9.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape"]		
Status	Production 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.**



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#### GENERAL INFORMATION

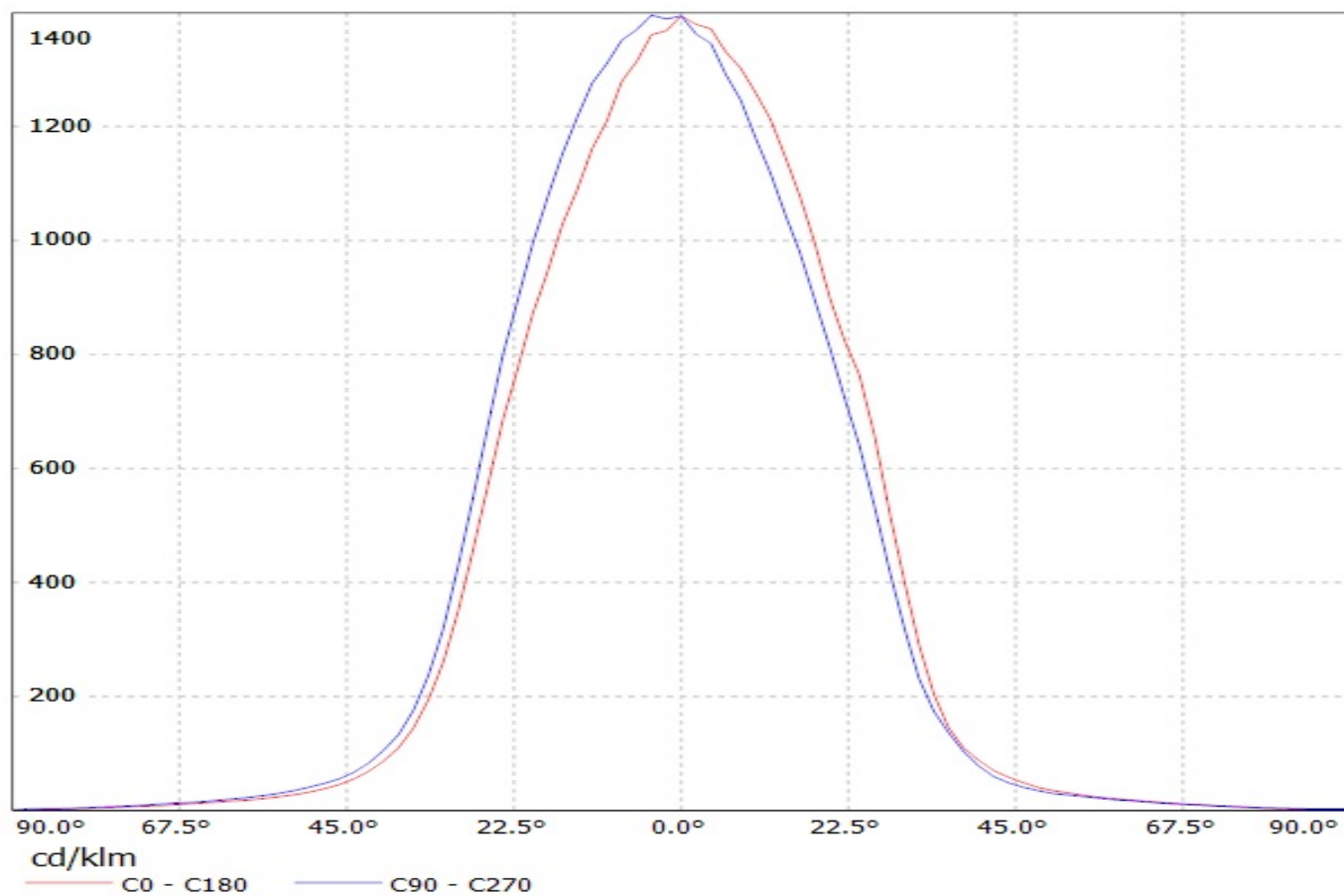
- Product series especially designed & optimized for Jade series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Lens material optical grade PMMA with high UV and temperature resistance. Allows use of high current and temperature conditions.

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>

Luminaire: Ledil Oy CA12350\_TINA2-W (Avego Jade 69lm @ 250mA) Efficiency=90%  
Lamps: 1 x Avego Jade 69lm @ 250mA



Luminaire: Ledil Oy CA12350\_TINA2-W (Avego Jade 69lm @ 250mA) Efficiency=90%  
Lamps: 1 x Avego Jade 69lm @ 250mA

