

PRODUCT DATASHEET Tina2-Jade series

	Ordering number Description	CA12346 CA12346_Tina2-AJ-R
	Family	Tina2
	Туре	Lens
	LED	Jade
Nest	Color	White
A Company and	Diameter	16.1 mm
	Height	9.5 mm
	Style	Round
	Optic Material	PMMA
	Holder Material	PC
	Fastening	Таре
	Status	Ready
	Ordering number Description	CA12347 CA12347_Tina2-AJ-D
	Family	Tina2
	Туре	Lens
	LED	Jade
100011	Color	White
	Diameter	16.1 mm
	Height	9.5 mm
	Style	Round
	Optic Material	PMMA
	Holder Material	PC
	Fastening	Таре
	Status	Ready
	Ordering number Description	CA12348 CA12348_Tina2-AJ-N
and the state	Ordering number Description Family	
	Description	CA12348_Tina2-AJ-N
	Description Family	CA12348_Tina2-AJ-N Tina2
	Description Family Type	CA12348_Tina2-AJ-N Tina2 Lens
	Description Family Type LED	CA12348_Tina2-AJ-N Tina2 Lens Jade
	Description Family Type LED Color	CA12348_Tina2-AJ-N Tina2 Lens Jade White
	Description Family Type LED Color Diameter	CA12348_Tina2-AJ-N Tina2 Lens Jade White 16.1 mm
	Description Family Type LED Color Diameter Height	CA12348_Tina2-AJ-N Tina2 Lens Jade White 16.1 mm 9.5 mm
	Description Family Type LED Color Diameter Height Style	CA12348_Tina2-AJ-N Tina2 Lens Jade White 16.1 mm 9.5 mm Round
	Description Family Type LED Color Diameter Height Style Optic Material	CA12348_Tina2-AJ-N Tina2 Lens Jade White 16.1 mm 9.5 mm Round PMMA
	Description Family Type LED Color Diameter Height Style Optic Material Holder Material	CA12348_Tina2-AJ-N Tina2 Lens Jade White 16.1 mm 9.5 mm Round PMMA PC
	Description Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening	CA12348_Tina2-AJ-N Tina2 Lens Jade White 16.1 mm 9.5 mm Round PMMA PC Tape Ready
	Description Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status Ordering number	CA12348_Tina2-AJ-N Tina2 Lens Jade White 16.1 mm 9.5 mm Round PMMA PC Tape Ready CA12349
	Description Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status Ordering number Description	CA12348_Tina2-AJ-N Tina2 Lens Jade White 16.1 mm 9.5 mm Round PMMA PC Tape Ready CA12349 CA12349_Tina2-AJ-C
	Description Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status Ordering number Description Family	CA12348_Tina2-AJ-N Tina2 Lens Jade White 16.1 mm 9.5 mm Round PMMA PC Tape Ready CA12349 CA12349_Tina2-AJ-C Tina2
	Description Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status Ordering number Description Family Type	CA12348_Tina2-AJ-N Tina2 Lens Jade White 16.1 mm 9.5 mm Round PMMA PC Tape Ready CA12349 CA12349_Tina2-AJ-C Tina2 Lens
	Description Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status Ordering number Description Family Type LED Color Diameter	CA12348_Tina2-AJ-N Tina2 Lens Jade White 16.1 mm 9.5 mm Round PMMA PC Tape Ready CA12349 CA12349 CA12349_Tina2-AJ-C Tina2 Lens Jade White 16.1 mm
	Description Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status Ordering number Description Family Type LED Color Diameter Height	CA12348_Tina2-AJ-N Tina2 Lens Jade White 16.1 mm 9.5 mm Round PMMA PC Tape Ready CA12349 CA12349 CA12349_Tina2-AJ-C Tina2 Lens Jade White 16.1 mm 9.5 mm
	Description Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status Ordering number Description Family Type LED Color Diameter	CA12348_Tina2-AJ-N Tina2 Lens Jade White 16.1 mm 9.5 mm Round PMMA PC Tape Ready CA12349 CA12349 CA12349_Tina2-AJ-C Tina2 Lens Jade White 16.1 mm

Status

Ordering number Description	CA12346 CA12346_Tina2-AJ-RS-WHT		
Family	Tina2	FWHM	15 degrees
Туре	Lens	Efficiency	92 %
LED	Jade	cd/lm	-
Color	White	Gerber File	Available
Diameter	16.1 mm		
Height	9.5 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Таре		
Status	Ready		
	CA40347		
Ordering number Description	CA12347 CA12347_Tina2-AJ-D-WHT		
Family	Tina2	FWHM	17 degrees
Туре	Lens	Efficiency	92 %
LED	Jade	cd/lm	-
Color	White	Gerber File	Available
Diameter	16.1 mm		
Height	9.5 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Таре		
Status	Ready		
Ordering number Description	CA12348 CA12348_Tina2-AJ-M-WHT		
		FWHM	30 degrees
Description	CA12348_Tina2-AJ-M-WHT	FWHM Efficiency	30 degrees 89 %
Description Family	CA12348_Tina2-AJ-M-WHT Tina2		•
Description Family Type	CA12348_Tina2-AJ-M-WHT Tina2 Lens	Efficiency	89 %
Description Family Type LED	CA12348_Tina2-AJ-M-WHT Tina2 Lens Jade	Efficiency cd/lm	89 %
Description Family Type LED Color	CA12348_Tina2-AJ-M-WHT Tina2 Lens Jade White	Efficiency cd/lm	89 %
Description Family Type LED Color Diameter	CA12348_Tina2-AJ-M-WHT Tina2 Lens Jade White 16.1 mm	Efficiency cd/lm	89 %
Description Family Type LED Color Diameter Height	CA12348_Tina2-AJ-M-WHT Tina2 Lens Jade White 16.1 mm 9.5 mm	Efficiency cd/lm	89 %
Description Family Type LED Color Diameter Height Style	CA12348_Tina2-AJ-M-WHT Tina2 Lens Jade White 16.1 mm 9.5 mm Round	Efficiency cd/lm	89 %
Description Family Type LED Color Diameter Height Style Optic Material	CA12348_Tina2-AJ-M-WHT Tina2 Lens Jade White 16.1 mm 9.5 mm Round PMMA	Efficiency cd/lm	89 %
Description Family Type LED Color Diameter Height Style Optic Material Holder Material	CA12348_Tina2-AJ-M-WHT Tina2 Lens Jade White 16.1 mm 9.5 mm Round PMMA PC	Efficiency cd/lm	89 %
Description Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening	CA12348_Tina2-AJ-M-WHT Tina2 Lens Jade White 16.1 mm 9.5 mm Round PMMA PC Tape Ready	Efficiency cd/lm	89 %
Description Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status Ordering number	CA12348_Tina2-AJ-M-WHT Tina2 Lens Jade White 16.1 mm 9.5 mm Round PMMA PC Tape Ready CA12349	Efficiency cd/lm	89 %
Description Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status Ordering number Description	CA12348_Tina2-AJ-M-WHT Tina2 Lens Jade White 16.1 mm 9.5 mm Round PMMA PC Tape Ready CA12349 CA12349_Tina2-AJ-O-WHT	Efficiency cd/lm Gerber File	89 % Available
Description Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status Ordering number Description Family	CA12348_Tina2-AJ-M-WHT Tina2 Lens Jade White 16.1 mm 9.5 mm Round PMMA PC Tape Ready CA12349 CA12349_Tina2-AJ-O-WHT Tina2	Efficiency cd/lm Gerber File FWHM	89 % - Available 36+18 degrees
Description Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status Ordering number Description Family Type	CA12348_Tina2-AJ-M-WHT Tina2 Lens Jade White 16.1 mm 9.5 mm Round PMMA PC Tape Ready CA12349 CA12349_Tina2-AJ-O-WHT Tina2 Lens	Efficiency cd/lm Gerber File FWHM Efficiency	89 % - Available 36+18 degrees
Description Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status Ordering number Description Family Type LED	CA12348_Tina2-AJ-M-WHT Tina2 Lens Jade White 16.1 mm 9.5 mm Round PMMA PC Tape Ready CA12349 CA12349_Tina2-AJ-O-WHT Tina2 Lens Jade	Efficiency cd/lm Gerber File FWHM Efficiency cd/lm	89 % - Available 36+18 degrees 92 %
Description Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status Ordering number Description Family Type LED Color	CA12348_Tina2-AJ-M-WHT Tina2 Lens Jade White 16.1 mm 9.5 mm Round PMMA PC Tape Ready CA12349 CA12349_Tina2-AJ-O-WHT Tina2 Lens Jade White	Efficiency cd/lm Gerber File FWHM Efficiency cd/lm	89 % - Available 36+18 degrees 92 %
Description Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status Ordering number Description Family Type LED Color Diameter	CA12348_Tina2-AJ-M-WHT Tina2 Lens Jade White 16.1 mm 9.5 mm Round PMMA PC Tape Ready CA12349 CA12349_Tina2-AJ-O-WHT Tina2 Lens Jade White 16.1 mm	Efficiency cd/lm Gerber File FWHM Efficiency cd/lm	89 % - Available 36+18 degrees 92 %
Description Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status Ordering number Description Family Type LED Color Diameter Height Style Optic Material	CA12348_Tina2-AJ-M-WHT Tina2 Lens Jade White 16.1 mm 9.5 mm Round PMMA PC Tape Ready CA12349 CA12349_Tina2-AJ-O-WHT Tina2 Lens Jade White 16.1 mm 9.5 mm	Efficiency cd/lm Gerber File FWHM Efficiency cd/lm	89 % - Available 36+18 degrees 92 %
Description Family Type LED Color Diameter Height Style Optic Material Holder Material Holder Material Fastening Status Ordering number Description Family Type LED Color Diameter Height Style	CA12348_Tina2-AJ-M-WHT Tina2 Lens Jade White 16.1 mm 9.5 mm Round PMMA PC Tape Ready CA12349 CA12349_Tina2-AJ-O-WHT Tina2 Lens Jade White 16.1 mm 9.5 mm Round	Efficiency cd/lm Gerber File FWHM Efficiency cd/lm	89 % - Available 36+18 degrees 92 %
Description Family Type LED Color Diameter Height Style Optic Material Holder Material Fastening Status Ordering number Description Family Type LED Color Diameter Height Style Optic Material	CA12348_Tina2-AJ-M-WHT Tina2 Lens Jade White 16.1 mm 9.5 mm Round PMMA PC Tape Ready CA12349 CA12349_Tina2-AJ-O-WHT Tina2 Lens Jade White 16.1 mm 9.5 mm Round PMMA	Efficiency cd/lm Gerber File FWHM Efficiency cd/lm	89 % - Available 36+18 degrees 92 %

January 31st 2012 21:40 Copyright Ledil Oy - Subject to change without prior notice - Page 1/3

Ready

Ledil Oy Salorankatu 10 24240 SALO Finland



PRODUCT DATASHEET Tina2-Jade series

Ordering number Description	CA12350 CA12350_Tina2-AJ-W-WHT
Family	Tina2
Туре	Lens
LED	Jade
Color	White
Diameter	16.1 mm
Height	9.5 mm
Style	Round
Optic Material	PMMA
Holder Material	PC
Fastening	Таре
Status	Ready

FWHM Efficiency cd/Im Gerber File

51 degrees 92 % -

Available

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.

Ledil Oy Salorankatu 10 24240 SALO Finland



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 (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.

