

PRODUCT DATASHEET Tina3 series

last update 17/2/2012





Ordering number FA11905_TINA3-S

Family	Tina3
Туре	Lens
LED	XP-E
Color	White
Diameter	16.1 mm
Height	11.5 mm
Style	Round
Optic Material	PMMA
Holder Material	PC
Fastening	Pin, tape
Status	Ready

FWHM 10 degrees
Efficiency 86 %
cd/lm 15.800
Gerber File Available

Ordering number FA11824_TINA3-W

Family	Tina3
Туре	Lens
LED	XP-E
Color	White
Diameter	16.1 mm
Height	6.9 mm
Style	Round
Optic Material	PMMA
Holder Material	PC
Fastening	Pin, tape
Status	Ready

FWHM 41 degrees
Efficiency 93 %
cd/lm 1.780
Gerber File Available

Ordering number FA11870_TINA3-OO

Family	Tina3
Type	Lens
LED	XP-E
Color	White
Diameter	16.1 mm
Height	6.9 mm
Style	Round
Optic Material	PMMA
Holder Material	PC
Fastening	Pin, tape
Status	Ready

FWHM 52+35 degrees
Efficiency 93 %
cd/lm 1.660
Gerber File Available

Ordering number FA11825_TINA3-WW

Family	Tina3
Туре	Lens
LED	XP-E
Color	White
Diameter	16.1 mm
Height	6.9 mm
Style	Round
Optic Material	PMMA
Holder Material	PC
Fastening	Pin, tape
Status	Ready

FWHM 54 degrees
Efficiency 93 %
cd/lm 1.160
Gerber File Available

April 16th 2012 16:17 Copyright Ledil Oy - Subject to change without prior notice - Page 1/3



PRODUCT DATASHEET Tina3 series

CREE

last update 17/2/2012



Ordering number FA11826_TINA3-WWW

Family	Tina3
Туре	Lens
LED	XP-E
Color	White
Diameter	16.1 mm
Height	6.9 mm
Style	Round
Optic Material	PMMA
Holder Material	PC
Fastening	Pin, tape
Status	Ready

FWHM 79 degrees
Efficiency 92 %
cd/lm 0.460
Gerber File 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.



PRODUCT DATASHEET Tina3 series



last update 17/2/2012

GENERAL INFORMATION

- Product series especially designed & optimized for XP-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.

Relative intensity of FA11825_Tina3-WW-XP



