



Ordering number FA11208
Description FA11208-Tina-RS-OSL

Family	Tina	FWHM	10 degrees
Type	Lens	Efficiency	94 %
LED	Oslon SSL 150	cd/Im	-
Color	Black	Gerber File	Available
Diameter	16.1 mm		
Height	10 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Pin, tape		
Status	Ready		



Ordering number FA11205
Description FA11205-Tina-D-OSL

Family	Tina	FWHM	15 degrees
Type	Lens	Efficiency	89 %
LED	Oslon SSL 150	cd/Im	-
Color	Black	Gerber File	Available
Diameter	16.1 mm		
Height	10 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Pin, tape		
Status	Ready		



Ordering number FA11206
Description FA11206-Tina-M-OSL

Family	Tina	FWHM	30 degrees
Type	Lens	Efficiency	85 %
LED	Oslon SSL 150	cd/Im	-
Color	Black	Gerber File	Available
Diameter	16.1 mm		
Height	10 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Pin, tape		
Status	Ready		



Ordering number FA11204
Description FA11204-Tina-O-OSL

Family	Tina	FWHM	32+14 degrees
Type	Lens	Efficiency	91 %
LED	Oslon SSL 150	cd/Im	-
Color	Black	Gerber File	Available
Diameter	16.1 mm		
Height	10 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Pin, tape		
Status	Ready		



Ordering number FA11207
Description FA11207-Tina-W-OSL

Family	Tina	FWHM	49 degrees
Type	Lens	Efficiency	90 %
LED	Oslon SSL 150	cd/lm	-
Color	Black	Gerber File	Available
Diameter	16.1 mm		
Height	10 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Pin, tape		
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.

GENERAL INFORMATION

- Product series especially designed & optimized for Oscon SSL 150 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%20PLEXIGLAS-Datasheet.pdf>

- Optic holder molded by high quality PC material (120 degrees of Celcius / 248 degrees of Fahrenheit).

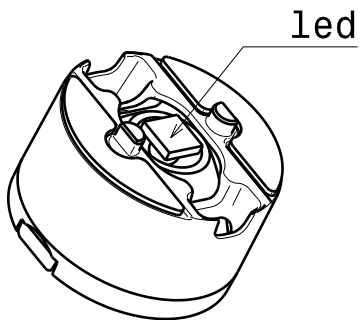
- Fastening to heat sink with a PU foam adhesive tape of automotive grade. Please find fastening details by clicking link: http://www.ledil.com/datasheets/DataSheet_TAPE.pdf

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 board weaken the strength of the tape.

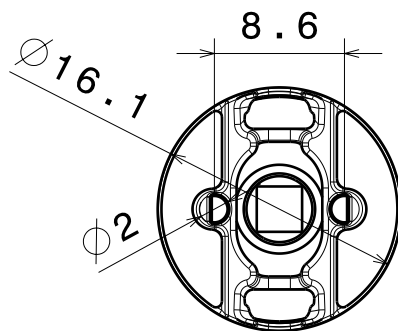
NOTE 2: Assembly to the surface must be made straight, so the tape bonds constant and balanced with fastening surface. Slanted assembly might cause unbalanced bond to the surface. All surfaces where tape is applied must be clean, dry and free from grease and dirt.

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.

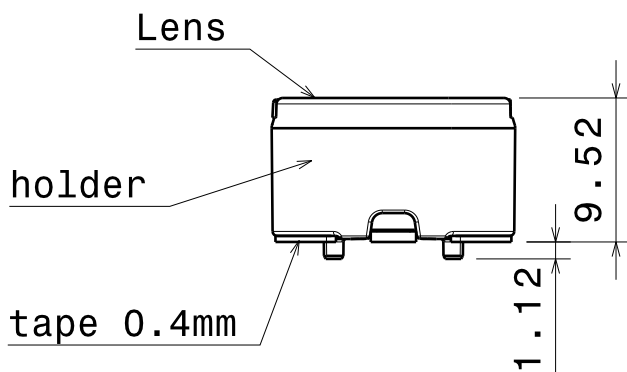
Further note that optical components shall not be cleaned with any chemicals - only micro fiber cloth may be used to remove fingerprints or other traces from handling.



Isometric view



Bottom view



Front view

Materials:
Lens PMMA
Holder PC Black
Tape PU foam

FA11204_Tina-O-OSL
FA11205_Tina-D-OSL
FA11206_Tina-M-OSL
FA11207_Tina-W-OSL
FA11208_Tina-RS-OSL

This drawing is our property.
It can't be reproduced
or communicated without
our written agreement.



Ledil Oy
Tehdaskatu 13
FIN-24100 SALO
Finland

DRAWING TITLE

Datasheet Assembly Tina-OSL series

DRAWN BY
pv

DATE
10.11.2009

CHECKED BY
tk

DATE
08.10.2009

DESIGNED BY
HH

DATE
24.09.2009

SIZE
A4

DRAWING NUMBER

REV
1

SCALE

2:1

WEIGHT (g)

-

SHEET

1/1