

**PRELIMINARY  
TINA SERIES FOR SEOUL Z5 LEDs**

- Lens material optical grade PMMA with high UV and temperature resistance (105°C/220°F). Allows use of high current and temperature conditions
- Best available optical efficiency, over 90%, with an extremely good cutoff of light
- Fastening to heat sink with a PU foam adhesive tape of automotive grade (included)
- 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.
- Please check fastening details from this link:  
([http://www.ledil.com/datasheets/DataSheet\\_TAPE.pdf](http://www.ledil.com/datasheets/DataSheet_TAPE.pdf))
- Compact dimensions 16.1 x 10.1 mm.

**LENS TYPES**

| NAME              | ORDERING CODE      | FWHM Angle             |
|-------------------|--------------------|------------------------|
| TINA-XP REAL SPOT | FA10887_Tina-XP-RS | To be measured shortly |
| TINA-XP DIFFUSER  | FA10644_Tina-XP-D  | To be measured shortly |
| TINA-XP MEDIUM    | FA10645_Tina-XP-M  | To be measured shortly |
| TINA-XP WIDE      | FA10838_Tina-XP-W  | To be measured shortly |
| TINA-XP WW        | FA11019_Tina-XP-WW | To be measured shortly |
| TINA-XP OVAL      | FA11200_Tina-XP-O  | To be measured shortly |

**MEASUREMENTS**

**COMING SOON**



---

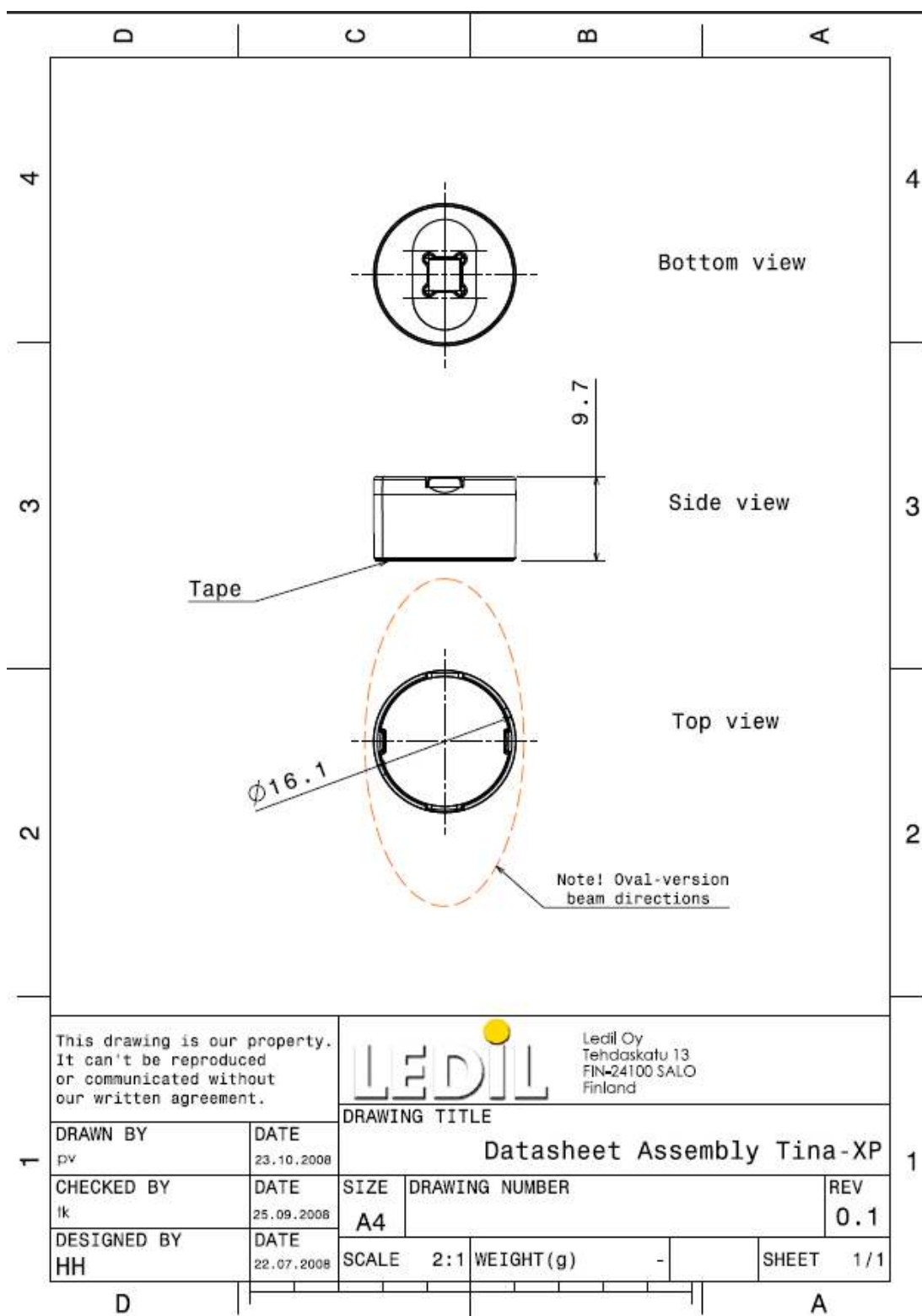
© Ledil Oy – PRELIMINARY - Subject to change without prior notice

Ledil Oy  
Tehdaskatu 13  
FIN-24100 SALO, Finland

[www.ledil.com](http://www.ledil.com)  
email: [ledil@ledil.com](mailto:ledil@ledil.com)  
FAX: +358-2-733 8001

2011-03-09

## DRAWINGS



© Ledil Oy – PRELIMINARY - Subject to change without prior notice