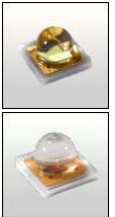


## SANDRA-12 FOR OSRAM OSLOL SSL/SX LEDs



**OSRAM**  
www.osram.com



- Special care taken to make a uniform white or warm white illumination.
- Lens material optical grade PMMA with high UV and temperature resistance (105°C/220°F). Allows use of high current and temperature conditions
- No lens holder. Fastening to heat sink with droplets of glue.
- Best available optical efficiency, up to 90%.
- Please check fastening details from this link:  
([http://www.ledil.com/datasheets/DataSheet\\_GLUES.pdf](http://www.ledil.com/datasheets/DataSheet_GLUES.pdf))

### LENS TYPES

NAME	ORDERING CODE	FWHM Angle
SANDRA-12 MEDIUM	C11814_Sandra-12-M-OSL	To be measured shortly
SANDRA-12 WIDE	C11700_Sandra-12-W-OSL	To be measured shortly

NAME	ORDERING CODE	FWHM Angle
SANDRA-12 MEDIUM	C11814_Sandra-12-M-OSL-SX	To be measured shortly
SANDRA-12 WIDE	C11700_Sandra-12-W-OSL-SX	To be measured shortly

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

**MEASUREMENT DATA**

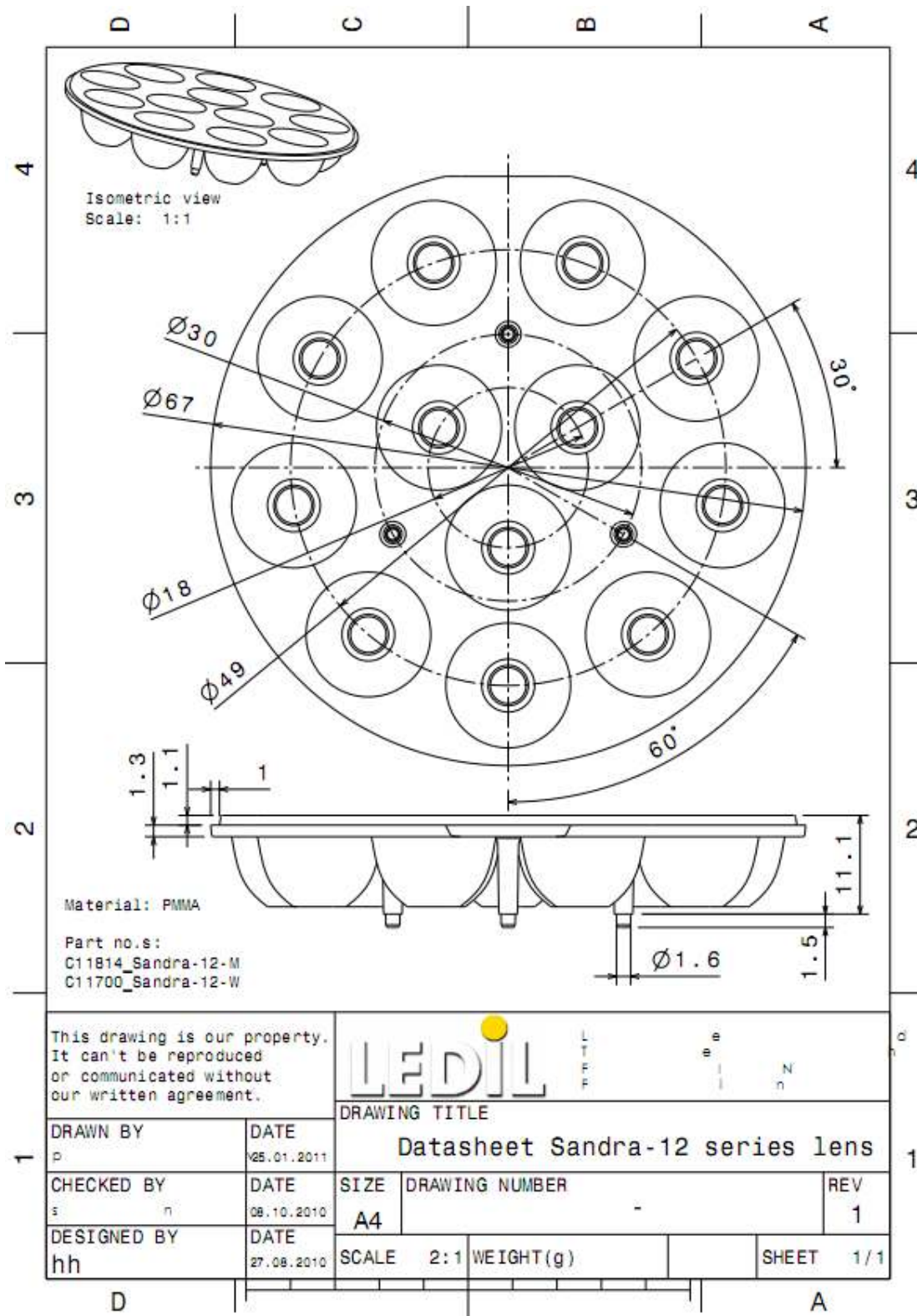
**COMING SOON**



---

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

## DRAWINGS



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