

## LAURA SERIES FOR NICHIA 119 / 219 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, up to 90%, with an extremely good cutoff of light
- Integrated holder. Fastening to heat sink with a PU foam adhesive tape of automotive grade
- 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 21.6 x 21.6 mm. Square form enables easy build of matrix without any gaps between lenses.

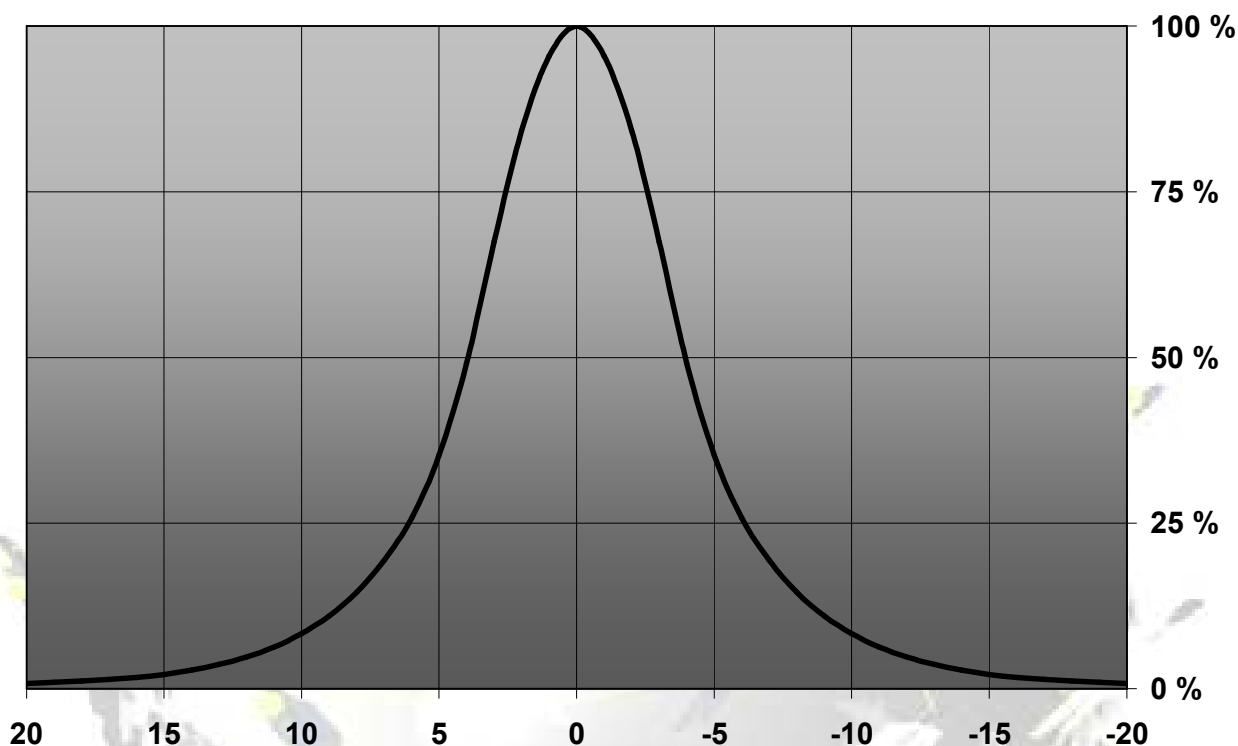
## LENS TYPES

NAME	ORDERING CODE	FWHM Angle
LAURA real spot	CA11697_Laura-RS-N19-tape	±4°
LAURA smooth spot	CA11646_Laura-SS-N19-tape	to be measured shortly
LAURA diffuser	CA11362_Laura-D-N19-tape	±8°
LAURA medium	CA11357_Laura-M-N19-tape	±14
LAURA oval	CA11367_Laura-O-N19-tape	to be measured shortly
LAURA Wide reflector	CA11427_Laura-Refl-W-N19-tape	to be measured shortly

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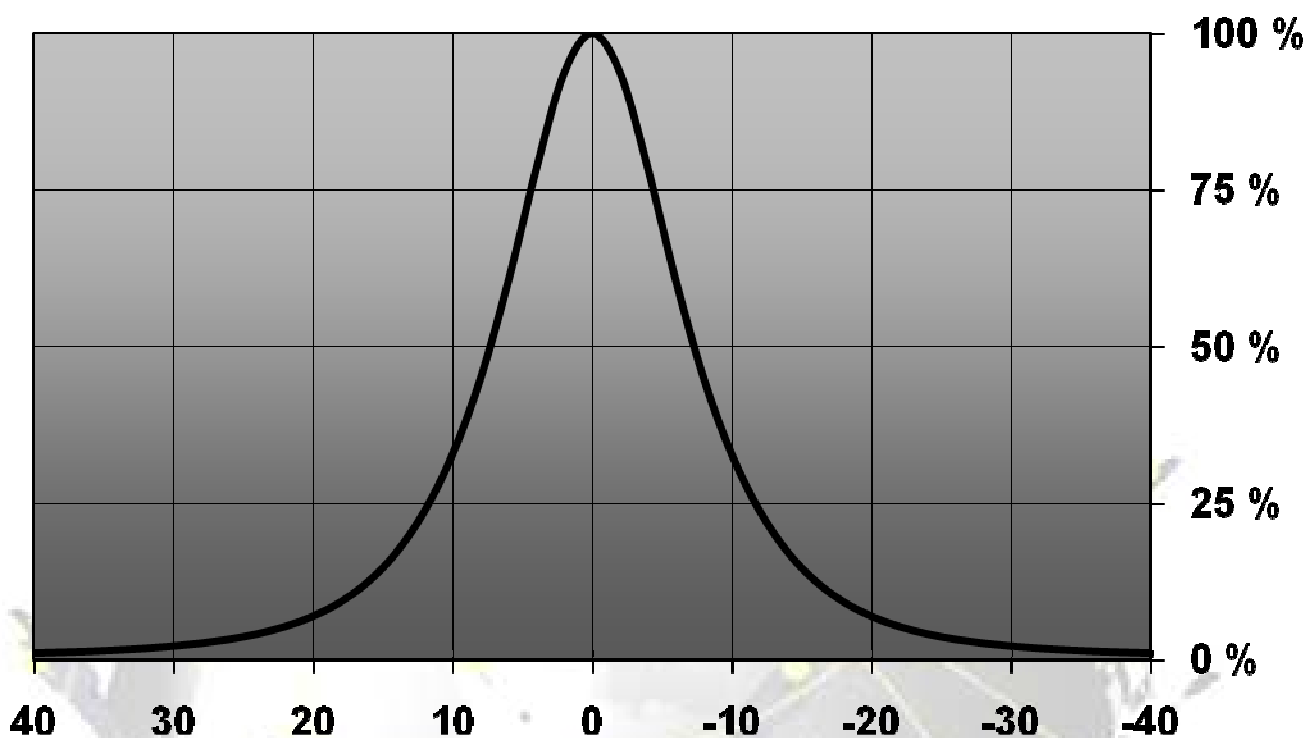
**MEASUREMENTS**

Relative Intensity of CA11697\_Laura-RS-N119-tape



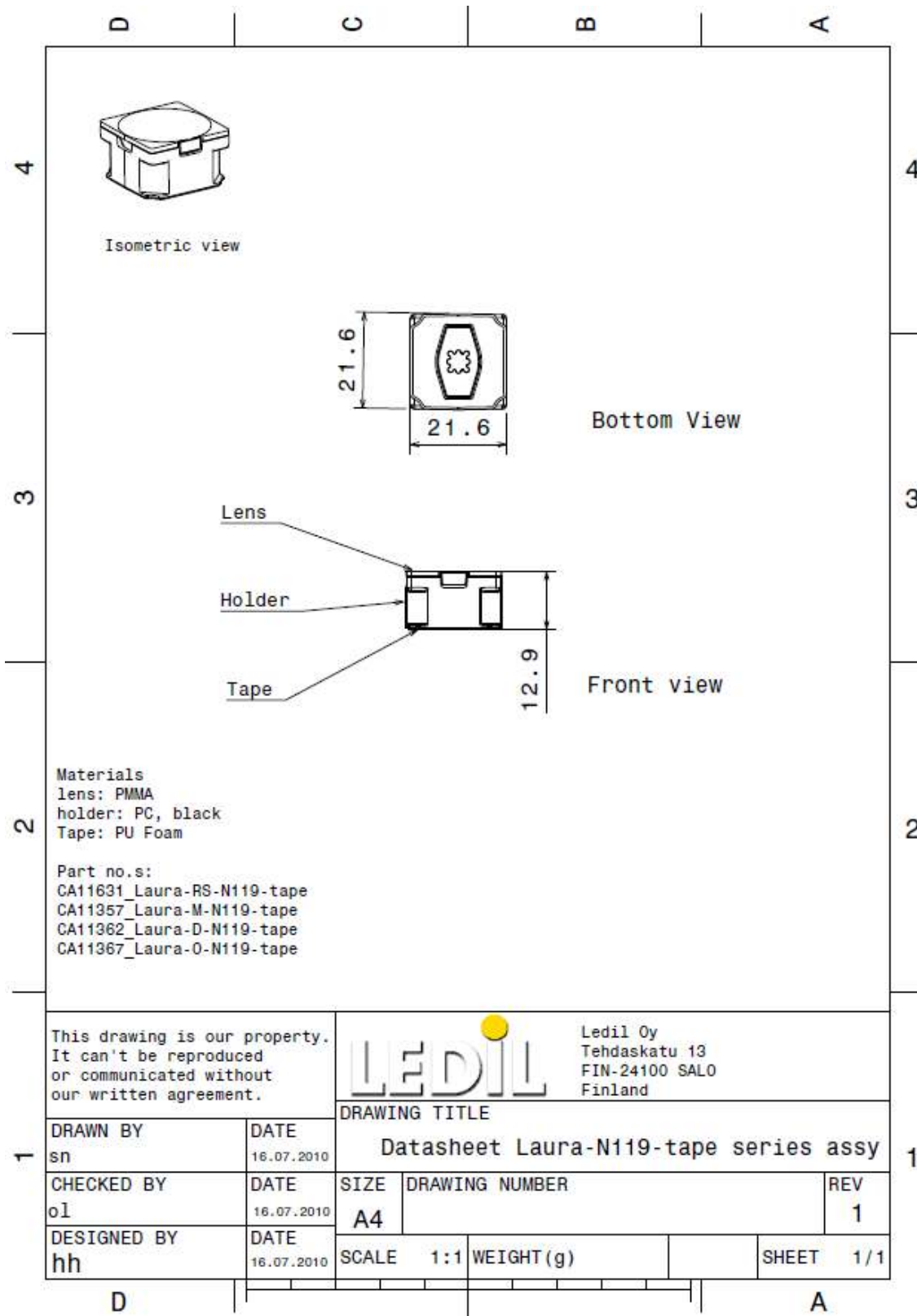
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## Relative intensity of CA11362\_Laura-D-N119-tape



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## DRAWINGS



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# AMEYA360

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### Contact Us :

#### ➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd  
Minhang District, Shanghai , China

#### ➤ Sales :

Direct +86 (21) 6401-6692

Email [amall@ameya360.com](mailto:amall@ameya360.com)

QQ 800077892

Skype [ameyasales1](#) [ameyasales2](#)

#### ➤ Customer Service :

Email [service@ameya360.com](mailto:service@ameya360.com)

#### ➤ Partnership :

Tel +86 (21) 64016692-8333

Email [mkt@ameya360.com](mailto:mkt@ameya360.com)