



Metrology for Solid State Lighting

Conclusion

Marijn van Veghel

Metrology for SSL Workshop Teddington 24-25 April 2013

Dutch Metrology Institute



The EMRP project





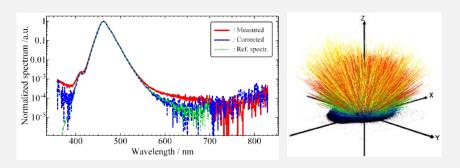
P 2

- Aim: Development, validation and dissemination of adequate metrology for the unambigous and reliable characterisation of SSL
- Started: 1 May 2010
- Duration: 36 months
- 17 partners, 3 REGs
- Coordinated by VSL



Project results



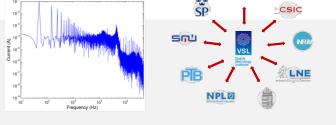


Traceability

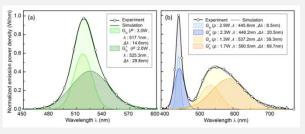


Human perception

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Current Spectrun



Basic measurement methods



Quality metrics

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P 3







- Designers and manufacturers: to make reliable and verifiable product claims
- Policy makers: to develop fact-based policy
- Market surveillance authorities: to combat unfair trade practices
- Users: to select best-fit products for their applications and be confident in their performance

P 4







- Technical results of the project have all been achieved
- Disseminination will continue
- Proposals for follow-up activities are in the making:
 - Life-time
 - Electrical measurements
 - Goniometry
 - OLED

Ρ5







- Any questions left?
- Topics that should not be missed in follow-up projects



Feedback and more info



- Please fill out the feedback forms
- More information on our website: <u>www.m4ssl.npl.co.uk</u>
 - Public project summary
 - Technical reports and guidelines
 - Presentations of this workshop and past events
 - Final public report (end of June)

Ρ7



Thanks to all project participants





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Thanks to local organisation



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- Philips Lighting for the drinks reception
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- Paul Miller
- David Gibbs
- Roger Hughes







Thank you for coming!

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