



# Product Change Notification



Product Group: Opto Modules & Visibles 04-MAR-2015 / PCN OMV-809-2015 Rev. 0

## TITLE: Angle correction TELUX 90° with 14mil chip

**DESCRIPTION OF CHANGE:** The emission angle on the new sub-con package was on the high end of a typical value. This leads to a lower intensity in the center while the luminous flux is still inside product specification.

To come close to the typical value of 90° and to a higher lumenous intensity in the center, the diamter of the lens was ajusted form 1.65 to 1.3. More details in the attached illustration.

**CLASSIFICATION OF CHANGE:** Assembly Process/Structure

**REASON FOR CHANGE:** for TELUX AllnGaP using 14 mil chips the emission angle above 100°. This is to far away from typical value of 90°. Luminous flux values are not affected.

**EXPECTED INFLUENCE ON QUALITY RELIABILITY / PERFORMANCE:** no influence on quality and reliability performance

**PRODUCT CATEGORY:** LEDs

### PART NUMBERS / SERIES / FAMILIES AFFECTED:

VLWR9930  
VLWR9931  
VLWR9932  
VLWR9933  
VLWY9930  
VLWY9932  
VLWY9933-12

**VISHAY BRAND(s):** VISHAY SEMICONDUCTORS

### TIME SCHEDULE: Annotations about time schedule:

Start Shipment Date: 15-MAR-2015

Last Time Buy Date:

Last Time Shipment Date:

### SAMPLES AVAILABLE BEGINNING:

We need samples for evaluation: Yes No  
If Yes return this form to contact information below.

**PRODUCT IDENTIFICATION:** lot number

**QUALIFICATION DATA:** no additional reliability required

**This PCN is considered approved, without further notification, unless we receive specific customer concerns before: 15-MAR-2015 or as specified by contract.**

### ISSUED BY:

PM: Franz Rettenmeier, Product Marketing Visibles

Phone: (+49) 7131 67-2276

Email: franz.retteneier@vishay.com

**For further information, please contact your regional Vishay office.**

### CONTACT INFORMATION:

**VISHAY Intertechnology Asia Pte. Ltd.**  
**Regional Marketing Asia/Japan**  
25 Tampines Street 92  
Keppel Building # 02-00  
Singapore 528877  
Phone: +65-6788-6668  
Fax: +65-6788-3383

**VISHAY Intertechnologies, Inc.**  
**Regional Marketing The Americas - Opto**  
2201 Laurelwood Road  
M/S 55  
Santa Clara, CA 95014  
USA  
Phone: +1-408-567-8317  
Fax: +1-408-567-8371

**VISHAY Semiconductor GmbH**  
**Regional Marketing Europe Opto**  
Theresienstr. 2  
D-74025 Heilbronn  
Germany  
Phone: +49-7131-672976  
Fax: +49-7131-673144