



Measurement Report No 116-03606

<i>Object</i>	trigalight® light sources (H-3) type trigalight® insert T 4583/I, item 100678 type trigalight® insert T 7049/I, item 108378
<i>Order</i>	Comparative measurement of the luminance level
<i>Applicant</i>	mb-microtec ag / trigalight® Freiburgstrasse 634 3172 Niederwangen
<i>Traceability</i>	The reported measurement values are traceable to national standards and thus to internationally supported realizations of the SI-units.
<i>Date of Measurement</i>	12.03.2018

3003 Bern-Wabern, 21 March 2018

For the Measurements

Sector Length, Optics and Time

Reto Schafer

Dr. Rudolf Thalmann, Head of Sector

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Extent of Measurement

Measurement of the average luminance of the luminous surface.

Measurement Procedure

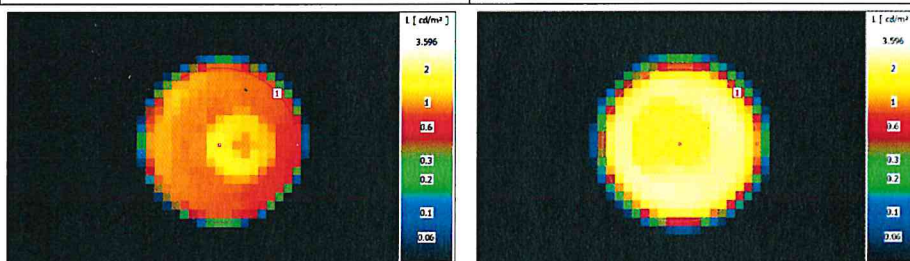
The light levels were determined by measuring the luminance with the imaging luminance measurement device METAS 8363. The measured diameter of the measuring field is 1.3 mm.

Measurement Conditions

The ambient temperature during the measurement is $(22.0 \pm 1.0) ^\circ\text{C}$ and the relative humidity $(40 \pm 5) \%$. The measuring distance is 680 mm.

Measurement Results

	T 4583/I, item 100678 H-3 filling: 05.02.2018 luminance	T 7049/I, item 108378 H-3 filling: 24.01.2018 luminance
average of 10 items relative value	$(0.88 \pm 0.06) \text{ cd/m}^2$ 100 %	$(2.00 \pm 0.19) \text{ cd/m}^2$ 227 %



Uncertainty of Measurement

Luminance L : $U = 10 \%$

The reported measured value (y) and the associated uncertainty (U) represent the interval $(y \pm U)$ which contains the value of the measured quantity with a probability of at least 95 %.

The measurement uncertainty contains contributions originating from the measurement standard, from the calibration method, from the environmental conditions and from the object being calibrated. The long-term characteristic of the object being calibrated is not included.