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Optical Measurement of High-Power LEDs

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Measurement results for light emitting diodes (LEDs) strongly depend on their thermal conditions. In order to achieve reproducible results with small uncertainties it is critical to accurately set and control the junction temperature of an LED during the time of optical measurement. This technical report describes the methods and procedures for measurement of high-power LEDs (HP-LEDs) under DC operation to acquire photometric, radiometric, and colorimetric quantities at a specified junction temperature.

The publication is written in English, with a short summary in French and German. It consists of 46 pages with 15 figures and is readily available from the [CIE Webshop](#) or from the National Committees of the CIE.

The price of this publication is EUR 135,- (Members of the National Committees of the CIE receive a 66,7 % discount on this price).