

Workshop

DESCRIBING WORKPLACE LIGHTING: A VISUAL ERGONOMICS APPROACH

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Summary

A good workplace lighting design will meet the requirements of workers occupying the space, and can contribute to worker satisfaction and workplace productivity. While physical parameters such as illumination and colour rendering index are important, so too is an understanding of how the space will be used and factors which may impact on end-user satisfaction with the design.

The CIE Technical Report CIE 213:2014 *Guide to Protocols for Describing Lighting* provides guidance for those designing and assessing lighting installations. It adopts a broad definition of lighting quality which includes both quantitative and qualitative factors. This technical report is closely aligned with the philosophy underpinning ergonomics, that is, that a successful design will be easy to use, comfortable and meet the requirements of the end user.

The purpose of this workshop is to review the content of CIE 213:2014 and provide participants with a practical perspective for how the technical report can be applied to workplace lighting design and assessment. Participants will learn through formal presentation of material as well as through small and large group interactive discussions. The workshop is suitable for lighting designers and architects, workplace assessors, managers of work environments, and those responsible for applying standards and regulations within workplaces.