## Lighting Research & Technology

## Contents

Editorial: Recognition and opportunity P Boyce	3
Opinion: In defence of the Planckian radiator  LA Whitehead	4
Daylight and health: A review of the evidence and consequences for the built environment MBC Aries, MPJ Aarts and J van Hoof	6
Introduction to a study of preferred colour rendering of light sources  J Schanda, P Csuti, F Szabó, P Bhusal and L Halonen	28
User acceptance studies for LED office lighting: Preference, naturalness and colourfulness R Dangol, MS Islam, M Hyvärinen, P Bhushal, M Puolakka and L Halonen	36
User acceptance studies for LED office lighting: Lamp spectrum, spatial Brightness and illuminance  MS Islam, R Dangol, M Hyvärinen, P Bhusal, M Puolakka and L Halonen	54
Lamp spectrum and spatial brightness at photopic levels: A basis for developing a metric S Fotios, D Atli, C Cheal, K Houser and A Logadóttir	80
A smart LED luminaire for energy savings in pedestrian road lighting  E Juntumen, E Tetri, O Tapaninen, S Yrjänä, V Kondratyev, A Sitomaniemi, H Siirtola,  EM Sarjanoja, J Aikio and V Heikkinen	103
The performance of solar bottle bulbs at different interior exposure levels  C Wang, VL How and H Abdul-Rahman	116

All figures that were originally provided in colour will appear in colour online http://lrt.sagepub.com







INTERNATIONAL YEAR OF LIGHT