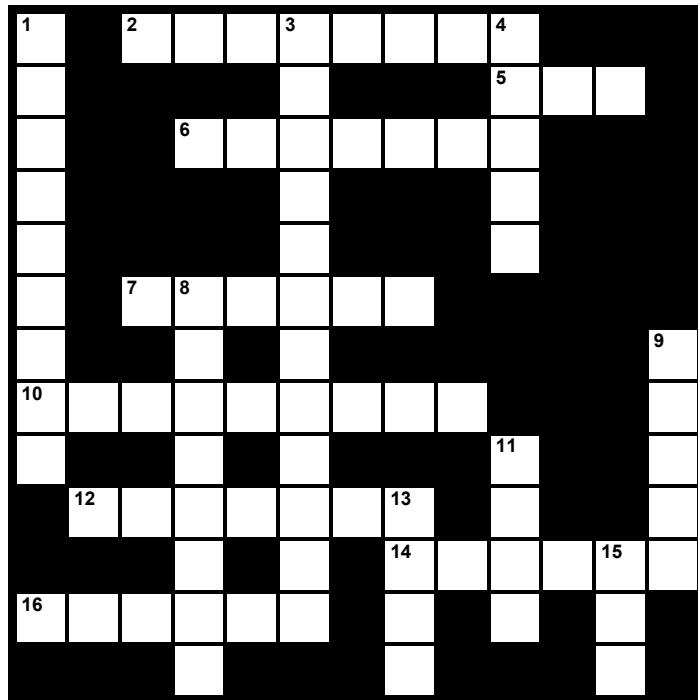


Lighting_13x13_2003-12-09

B.B. Huria



Across

- 2 The range of optical density and tone on a photographic negative or print. (8)
- 5 The quality of a colour as determined by its dominant wavelength. (3)
- 6 Device for starting a discharge lamp (in particular a fluorescent lamp) that provides for the necessary preheating of the electrodes and/or causes a voltage surge in combination with the series ballast. (7)

- 7 A rheostat that varies the current through an electric light in order to control the level of illumination. (6)
- 10 Change or expansion of the spatial distribution of a beam of radiation. (9)
- 12 The distance between the centers of two successive luminaires in an installation. (7)
- 14 Screen disposed to prevent lamps from being directly visible over a given angle. (6)
- 16 That part of a luminaire designed to prevent the lamps from being

directly visible over a given range of angles. (6)

Down

- 1 A hypothetical object capable of absorbing all the electromagnetic radiation falling on it. (5,4)
- 3 Passage of radiation through a medium without change of frequency of its monochromatic components. (12)
- 4 Characteristic of a luminaire that indicates the extent to which the light is 'thrown' in the lengthwise direction of the

road. (5)

- 8 Optical radiation for which the wavelengths are longer than those for visible radiation. (8)
- 9 Great brightness. (5)
- 11 The rate of flow of energy or particles across a given surface. (4)
- 13 The phenomenon of light emission by a body as its temperature is raised. (4)
- 15 Visual receptor cell sensitive to dim light. (3)