

- Perceptual confusion, in which the pattern of illuminance can be confused with the pattern of reflectance in the visual environment (Figure 23).



Figure 23
Confusion through different light sources, different designs, different light distribution and glare.

The occurrence of visual discomfort manifest itself through eye strain like: Soreness, redness, blurring vision, tiredness, headaches, different physical aches and pains. The most common aspects of lighting that cause visual discomfort are insufficient light, too much variation in illuminance between and across working surfaces, glare, veiling reflections, shadows and flicker.

2.9 Illuminance Uniformity

Lighting recommendations almost always include an illuminance uniformity criterion. These criteria can be direct or indirect. Direct criteria are ratios of illuminance, typically minimum/maximum or minimum/average measured on the relevant area.