

UGR19 / LG 7 Compliance

Brief explanation of LG7 / UGR19 compliance:

UGR19 is a Luminaire standard.

LG7 is a lighting Guide by Society of Light (former CIBSE).

UGR of 19 or less is the guideline for office spaces set down by the Society of Light and Lighting's code LG07/15 Lighting Guide 07: Offices – LG7. Which in turn meet The European Standard, EN 12464-1 Light and lighting – Lighting of work places – Part 1: Indoor work places.

The higher the UGR number the higher the glare from the luminaire and the increased discomfort for office workers. The glare can cause health and safety issues and welfare problems such as headaches, migraines and eyesight issues. The light fitting alone cannot be UGR19 compliant as it is not a characteristic of a luminaire but is a measure of how it performs in a physical space.

The standard measure for a UGR<19 fitting is what the luminaire would have to be in a room with the dimensions of 4H/8H (Glare Calculation) and degrees of reflectance of 20% for the floor, 50% for the walls and 70% for the ceiling (common in most offices), however most office spaces are generally not the size of a shipping container, hence in real world situations, the UGR value could be lower or even higher. Proper compliance only comes when measured within the space the UGR19 luminaire is to be fitted.