DIN EN 12464-1:2003-03 (E)

Light and lighting - Lighting of work places - Part 1: Indoor work places

Contents

	Page
Foreword	3
Introduction	4
1 Scope	4
2 Normative references	4
3 Terms and definitions	4
4 Lighting Design Criteria	5
4.1 Luminous environment	5
4.2 Luminance distribution	6
4.3 Illuminance	6
4.3.1 Recommended illuminances at the task area	6
4.3.2 Illuminances of immediate surroundings	7
4.3.3 Uniformity	8
4.4 Glare	8
4.4.1 Discomfort glare	8
4.4.2 Shielding against glare	9
4.4.3 Veiling reflections and reflected glare	9
4.5 Directional lighting	9
4.5.1 Modelling	9
4.5.2 Directional lighting of visual tasks	10
4.6 Colour aspects	10
4.6.1 Colour appearance	10
4.6.2 Colour rendering	10
4.7 Flicker and stroboscopic effects	11
4.8 Maintenance factor	11
4.9 Energy considerations	11
4.10 Daylight	11
4.11 Lighting of workstations with Display Screen Equipment (DSE) including VDUs	12
4.11.1 General	12
4.11.2 Luminaire luminance limits with downward flux	12
5 Schedule of lighting requirements	12
5.1 Composition of the tables	12
5.2 The schedule of interiors (areas), tasks and activities	13
5.3 Lighting requirements for interiors (areas), tasks and activities	15
6 Verification procedures	31
6.1 Illuminance	31
6.2 Unified Glare Rating	31
6.3 Colour Rendering Index	31
6.4 Luminaire luminance (see also 4.11)	31
Annex A (informative) **A-deviation**	32
Bibliography	32
Index of interiors (areas), tasks and activities	33