DIN EN 12464-2:2007-10 (E)

Light and lighting - Lighting of work places - Part 2: Outdoor work places

Contents

Page

Foreword 3

Introduction 4

1 Scope 4

2 Normative references 4

3 Terms and definitions 5

4 Lighting design criteria 6
4.1 Luminous environment 6
4.2 Luminance distribution 6
4.3 Illuminance 7
4.3.1 Illuminance on the task area 7
4.3.2 Illuminance of surroundings 8
4.3.3 Illuminance grid 8
4.3.4 Uniformity and diversity 8
4.4 Glare 9
4.4.1 Glare rating 9
4.4.2 Veiling reflections and reflected glare 10
4.5 Obtrusive light 10
4.6 Directional lighting 11
4.6.1 Modelling 11
4.6.2 Directional lighting of visual tasks 11
4.7 Colour aspects 11
4.7.1 Colour appearance 11
4.7.2 Colour rendering 12
4.8 Flicker and stroboscopic effects 12
4.9 Maintenance factor (MF) 12
4.10 Energy considerations 13
4.11 Sustainability 13
4.12 Emergency lighting 13

5 Schedule of lighting requirements 13
5.1 Composition of the tables 5.1 to 5.15 below 13
5.2 The schedule of areas, tasks and activities 13
5.3 Lighting requirements for areas, tasks and activities 14

6 Verification procedures 20
6.1 Illuminance 20
6.2 Glare Rating 20
6.3 Colour Rendering Index 20
6.4 Obtrusive light 20

Annex A (informative) Lighting requirements for safety and security 21

Bibliography 22

Index of areas, tasks and activities 23