

DIN EN 13032-2:2018-03 (E)

Light and lighting - Measurement and presentation of photometric data of lamps and luminaires - Part 2: Presentation of data for indoor and outdoor work places

Contents		Page
European foreword		4
Introduction		5
1	Scope	6
2	Normative references	6
3	Terms and definitions	6
4	Luminaire data	7
4.1	General	7
4.2	Essential luminaire data	7
4.2.1	General	7
4.2.2	Luminaire code	7
4.2.3	Dimensions of the luminous parts of the luminaire	7
4.2.4	Luminaire luminous flux	7
4.2.5	Luminous intensity table	8
4.2.6	Luminance table	9
4.2.7	Unified Glare Rating	9
4.2.8	Ballast lumen factor	9
4.2.9	Shielding angle	9
4.2.10	Rated luminaire power (Pi)	9
4.2.11	Luminaire lumen maintenance factor	9
4.2.12	Luminaire survival factor	9
4.2.13	General colour rendering index (Ra)	10
4.2.14	Correlated colour temperature (TCP)	10
4.3	Useful luminaire data	10
4.3.1	General	10
4.3.2	Physical dimensions of the luminaire	10
4.3.3	Intensity diagram	10
4.3.4	Maximum and nominal spacing to height ratio	10
4.3.5	Light output ratios	10
4.3.6	Upward flux fraction (of a luminaire)	10
4.3.7	Downward flux fraction (of a luminaire)	10
4.3.8	Luminaire luminous efficacy	10
4.3.9	Luminaire maintenance factor (FLM)	10
4.3.10	Utilization factor tables	11
4.3.11	Service Conversion factors	11
4.3.12	Individual special colour rendering indices (Ri)	11
5	Lamp data	11
5.1	General	11
5.2	Essential lamp data	11
5.2.1	General	11
5.2.2	Lamp code	11
5.2.3	Lamp dimensions	11
5.2.4	Rated Luminous flux	11
5.2.5	Lamp lumen maintenance factor (FLLM)	11
5.2.6	Lamp survival factor (FLS)	11
5.2.7	General colour rendering index (Ra)	12

5.2.8	Correlated colour temperature (TCP)	12
5.3	Useful lamp data	12
5.3.1	General	12
5.3.2	Lamp energy efficiency class	12
5.3.3	Nominal lamp wattage (Plamp)	12
5.3.4	Individual special colour rendering indices (Ri)	12
Annex A (normative) Calculation of UF tables		13
A.1	General	13
A.2	The step-by-step calculation procedure	13
A.3	CEN Flux Code	15
Bibliography		22