

DIN EN 1838:2025-03 (E)

Lighting applications - Emergency lighting for buildings

Contents		Page
European foreword		4
Introduction		5
1	Scope	6
2	Normative references	6
3	Terms and definitions	6
4	Emergency lighting	10
4.1	General	10
4.2	Points of emphasis	12
5	Emergency escape lighting	12
5.1	Escape route lighting	12
5.2	Open area (anti-panic) lighting	14
5.3	High-risk task area lighting	15
5.4	Requirements for specific areas	16
5.4.1	Toilets and changing rooms	16
5.4.2	Public indoor swimming pools	16
5.4.3	Motor generator, control, switch and plant rooms	16
6	Safety signs	16
6.1	General	16
6.2	Conformity	17
6.3	Illumination	17
6.4	Viewing distance and mounting height	18
7	Local area lighting and standby lighting	18
7.1	Local area lighting	18
7.2	Standby lighting	19
Annex A (informative) System durations and activation times		20
A.1	System durations	20
A.2	Activation times	20
Annex B (informative) On-site luminance and illuminance measurements		22
B.1	Introduction	22
B.2	General	22
B.3	Illuminance and luminance meters	22
B.4	Measurement of emergency lighting illuminance levels	23
B.4.1	General considerations	23
B.4.2	Method A	23
B.4.3	Method B	24
B.4.4	Method C	24
B.4.5	Method D	25
B.5	Illuminance measurements on site	26
B.5.1	General	26

B.5.2	Illuminance measurements of open area (anti panic) lighting, local area lighting and high-risk task area lighting	27
B.5.2.1	Initial verification	27
B.5.2.2	Five-year verification	27
B.5.3	Illuminance measurement of escape route lighting	27
B.5.3.1	General	27
B.5.3.2	Measurements	28
B.5.3.3	Uniformity	28
B.6	Safety signs	28
B.6.1	Internally illuminated safety signs	28
B.6.1.1	Initial verification	28
B.6.1.2	Five-year verification	28
B.6.2	Externally illuminated safety signs	28
B.6.2.1	Initial verification	28
B.6.2.2	Five-year verification	29
B.7	Conformity assessment	29
Annex C (informative)	Local area lighting	30
Annex D (informative)	A-deviations	31
Bibliography	33