

Contents

	Foreword
	Introduction
1	Scope
2	Normative references
3	Terms and definitions
4	Symbols and units
5	Influencing factors
5.1	Luminaire and/or light source characteristics
5.2	Recoverable external factors
5.3	Non-recoverable external factors
5.4	Maintenance period, cleaning, replacement and surface refurbishment interval
6	Maintenance factor determination
6.1	Basic description of the method
6.2	Luminous flux factor
6.2.1	Luminous flux factor determination — General
6.2.2	Luminous flux factor determination — Special case: Constant light output (CLO)
6.3	Survival factor
6.3.1	Survival factor description
6.3.2	Spot replacement regime
6.3.3	Group replacement regime
6.3.4	Regime combinations
6.4	Luminaire maintenance factor
6.4.1	Luminaire maintenance factor description
6.4.2	Indoor luminaires
6.4.3	Outdoor luminaires
6.5	Surface maintenance factor
7	Use of the maintenance factor
7.1	Lighting design using the maintenance factor
7.2	Documentation
7.2.1	Documentation of maintenance factor determination
7.2.2	Documentation of maintenance schedules
7.3	Lighting verification using the maintenance factor
Annex A	(informative) Maintenance factor determination examples
A.1	Example 1: Parking area project 100 000 h, using spot replacement
A.2	Example 2: Urban street project 100 000 h, with CLO, using spot replacement
A.3	Example 3: Office project 25 000 h, using spot replacement
A.4	Example 4: Warehouse project, 10 years, using group replacement
Annex B	(informative) Luminous flux factor fLF tables (Typical examples)
Annex C	(informative) Luminaire maintenance factor fLM determination examples
C.1	Indoor luminaires
C.2	Outdoor luminaires
Annex D	(informative) Surface maintenance factor fSM examples