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МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ

Photography — Expendable photoflash lamps (without integral reflector) — Definitions and requirements for luminous flux/time characteristics

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Photographie — Lampes flash (sans réflecteur intégré) — Définitions et spécifications des caractéristiques flux lumineux/temps

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Reference number
ISO 2691 : 1987 (E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 2691 was prepared by Technical Committee ISO/TC 42, *Photography*.

This second edition cancels and replaces the first edition (ISO 2691 : 1973), of which it constitutes a minor revision.

Users should note that all International Standards undergo revision from time to time and that any reference made herein to any other International Standard implies its latest edition, unless otherwise stated.

Photography — Expendable photoflash lamps (without integral reflector) — Definitions and requirements for luminous flux/time characteristics

1 Scope and field of application

This International Standard applies to expendable photoflash lamps (without integral reflector) in which the light is produced by a combustion within a transparent envelope, initiated by an electrical contact. The important time intervals of the luminous flux/time characteristics for such lamps are given and a classification of the lamps is established based on these intervals.

2 Reference

ISO 1229, *Photography — Expendable photoflash lamps — Determination of light output.*

3 Definitions

For the purpose of this International Standard, the following definitions apply:

3.1 time to peak: The time from the closing of the lamp firing electrical contact to the time at which the luminous flux reaches its maximum value.

3.2 time to first half peak: The time from the closing of the lamp firing electrical contact to the time at which the luminous flux first reaches half of its maximum value.

3.3 effective duration: The time during which the luminous flux is more than half its maximum value.

4 Classification and luminous flux/time characteristics

Classification and luminous flux/time characteristics of photoflash lamps are given in the table. Measurements are carried out according to ISO 1229.

Table — Luminous flux/time characteristics

Time in milliseconds

Class	Time to peak	Time to first half peak	Effective duration
MF	13 ± 3	8 ± 3	approx. 12
M	20 ± 5	15 ± 5	approx. 15
FP	—	15 ± 6	25 (minimum)
FP ^x	—	10 ± 4	27 (minimum)

NOTE — When tested, 90 % of the products in each class shall comply with the characteristics listed.

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Descriptors: photography, photographic equipment, light sources, flash equipment, flash lamps, classification, specifications.

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