

Implementation of
ISO 11314:1995

Photography — Projectors — Image size/projection distance calculations

ICS 37.060.10

NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW



Document Sharing Hub

Committees responsible for this British Standard

The preparation of this British Standard was entrusted to Technical Committee CPW/42, Photography, upon which the following bodies were represented:

- British Film Institute
- British Institute of Professional Photography
- British Photographic Association
- Sira Limited

The following bodies were also represented in the drafting of the standard, through subcommittees and panels.

- Audio Visual Association
- British Educational Suppliers' Association
- British Kinematograph, Sound and Television Society
- Lighting Industry Federation Ltd.
- National Council for Educational Technology (NCET)
- National Council of Advisers for Educational Technology

This British Standard, having been prepared under the direction of the Consumer Products and Services Sector Board, was published under the authority of the Standards Board and comes into effect on 15 April 1996

© BSI 04-2000

The following BSI references relate to the work on this standard:
Committee reference CPW/42
Draft for comment 94/303018 DC

ISBN 0 580 25583 2

Amendments issued since publication

Amd. No.	Date	Comments

Contents

	Page
Committees responsible	Inside front cover
National foreword	ii
Foreword	iii
Text of ISO 11314	1

National foreword

This British Standard reproduces verbatim ISO 11314:1995 and implements it as the UK national standard.

This British Standard is published under the direction of the Consumer Products and Services Sector Board whose Technical Committee CPW/42 has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international committee any enquiries on interpretation, or proposals for change, and keep UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

NOTE International and European Standards, as well as overseas standards, are available from Customer Services, BSI, 389 Chiswick High Road, London W4 4AL.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the ISO title page, pages ii to iv, pages 1 to 9 and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

INTERNATIONAL STANDARD

ISO 11314

First edition
1995-12-15

Photography — Projectors — Image size/projection distance calculations

*Photographie — Projecteurs — Calcul du rapport dimension de
l'image/distance de projection*



Contents

	Page
Foreword	iii
1 Scope	1
2 Definitions	1
3 Symbols	1
4 Calculation of size, distance and focal length	1
5 Projectable-image dimensions	1
6 Focal length of projection lens	2
Annex A (informative) Projection tables	3
Annex B (informative) Calculations	7
Annex C (informative) Nodal points and nodal point separation	8
Annex D (informative) Bibliography	9
Figure C.1 — Positions of nodal points	8
Table A.1 — Screen width W , in metres, in relation to magnification M	4
Table A.2 — Magnification M in relation to projection distance l and focal length f (Range of focal length f : 15 mm to 120 mm)	5
Table A.3 — Magnification M in relation to projection distance l and focal length f (Range of focal length f : 125 mm to 400 mm)	6