

ISO 18937-3:2026-03 (E)

Imaging materials - Methods for measuring indoor light stability of photographic prints - Part 3: LED lamp exposure

Contents

Page

Foreword.....	iv
Introduction.....	v
1 Scope.....	1
2 Normative references.....	1
3 Terms, definitions and abbreviations.....	1
3.1 Terms and definitions.....	2
3.2 Abbreviations.....	2
4 Requirements for exposure devices.....	2
4.1 Safety cautions.....	2
4.2 Irradiance uniformity.....	2
4.3 Relative humidity.....	2
4.4 Temperature.....	3
4.5 Air quality in the test environment.....	3
4.6 Duration of exposures.....	3
5 Test specimens.....	3
6 Exposure conditions.....	3
6.1 General.....	3
6.2 Tests for LED illumination for home, office, commercial display and school applications.....	3
6.2.1 LED lamps.....	3
6.2.2 Illuminance, temperature, and relative humidity.....	4
6.3 Tests for LED illumination for gallery, museum, and archive applications.....	5
6.3.1 LED lamps.....	5
6.3.2 Illuminance, temperature, and relative humidity.....	6
6.4 Information regarding radiant exposure and changes in LED lamps over time.....	6
7 Test report.....	6
7.1 Light stability reporting requirements.....	6
7.2 General reporting considerations.....	7
Annex A (informative) Image permanence tests of photographic prints under LED lighting.....	8
Annex B (informative) Colour rendering indices for LED lighting.....	9
Annex C (informative) White LED lighting technology.....	12
Bibliography.....	14