

ISO/TS 18950:2021-11 (E)

Imaging materials -Photographic prints - Effect of light sources on degradation under museum conditions

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms, definitions, and abbreviated terms	1
4	Use profile	2
4.1	General	2
4.2	Stress factors in museum use profile	2
5	Test method	3
5.1	General	3
5.2	Sample specimen preparation	3
5.2.1	Outline	3
5.2.2	Contemporary materials	4
5.2.3	Historic materials	4
5.2.4	Selection of suitable test patches on historic materials	4
5.2.5	Reference sample specimens	5
5.2.6	Backing of the specimens	5
5.2.7	Dummy sample	5
5.3	Light exposure	5
5.3.1	Outline	5
5.3.2	Light intensity tolerances and long-term drift	6
5.3.3	Specifications for filtered Xenon arc lamp to simulate indoor daylight	6
5.3.4	Specifications for incandescent light	7
5.3.5	Specifications for LED light	7
5.4	Specifications for additional filters	8
5.4.1	General	8
5.4.2	UV Filter specifications for museum lighting	8
6	Measurement	9
6.1	General	9
6.2	Measurement conditions	9
6.3	Calculation of colour difference	9
6.4	Test procedure	9
7	Evaluation	10
7.1	General	10
7.2	Comparing light sources	10
8	Test report	10
Annex A (informative) Translation of the test results into safe display duration		12
Annex B (informative) Examples of a relative spectral irradiance of white LEDs		14
Bibliography		15