

# ISO/TS 18950:2021-11 (E)

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

---

<b>Contents</b>		<b>Page</b>
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