

# ISO 21139-22:2026-04 (E)

## Permanence and durability of commercial prints - Part 22: Backlit display in indoor or shaded outdoor conditions - Light stability

---

### Contents

Page

Foreword	v	
Introduction	vi	
<b>1</b>	<b>Scope</b>	<b>1</b>
<b>2</b>	<b>Normative references</b>	<b>1</b>
<b>3</b>	<b>Terms and definitions</b>	<b>1</b>
3.1	Symbols and abbreviated terms	2
3.2	Measures of exposure severity	2
3.3	Surroundings of backlit display	4
3.4	Orientations of the backlit print	4
3.5	Colour evaluation	5
<b>4</b>	<b>Use profile</b>	<b>6</b>
4.1	General	6
4.2	Parameters of backlit display	6
4.3	Frontside exposure and environmental conditions	7
4.4	Equivalent test conditions	8
4.4.1	General	8
4.4.2	Severity-weighted exposure condition	8
4.4.3	Equivalent test duration	10
4.5	Relevance of use	12
<b>5</b>	<b>Test method</b>	<b>13</b>
5.1	General	13
5.2	Sample preparation	13
5.2.1	Outline	13
5.2.2	Test target	13
5.2.3	Sample labelling and marking	14
5.2.4	Storage and handling conditions	14
5.2.5	Reference samples	14
5.2.6	Backing of the specimens	14
5.3	Common test conditions	14
5.3.1	Test configuration	14
5.3.2	Illuminance level	14
5.3.3	Temperature and humidity	15
5.3.4	Duration of the test	15
5.4	Testing of the frontside of the print	15
5.4.1	Specimen mounting for frontside exposure	15
5.4.2	Duration of the frontside test	15
5.5	Testing of the backside of the print	15
5.5.1	Specimen mounting for backside exposure	15
5.5.2	Duration of the backside test	15
<b>6</b>	<b>Measurement</b>	<b>15</b>
6.1	General	15
6.2	Measurement conditions	16
<b>7</b>	<b>Data analysis</b>	<b>17</b>
7.1	General	17
7.2	Image quality parameter for data analysis	17

7.3	Equivalent test conditions.....	18
7.4	Estimation of the time to reach a certain change.....	18
<b>8</b>	<b>Test report.....</b>	<b>18</b>
	<b>Annex A (informative) Relative severity of irradiation with a relative spectral distribution.....</b>	<b>20</b>
	<b>Annex B (informative) Characterization of an example LED light box.....</b>	<b>24</b>
	<b>Annex C (informative) sRGB test target.....</b>	<b>26</b>
	<b>Annex D (informative) Overview of test conditions in backlit context.....</b>	<b>27</b>
	<b>Bibliography.....</b>	<b>28</b>