

DIN EN ISO 4892-3:2025-04 (E)

Plastics - Methods of exposure to laboratory light sources - Part 3: Fluorescent UV lamps (ISO 4892-3:2024)

Contents		Page
European foreword		3
Foreword		4
1	Scope	5
2	Normative references	5
3	Terms and definitions	5
4	Principle	5
5	Apparatus	6
	5.1 Laboratory light source	6
	5.2 Test chamber	9
	5.3 Radiometer	10
	5.4 Control of temperature	10
	5.5 Wetting	10
	5.5.1 General	10
	5.5.2 Condensation and water spray system	11
	5.6 Control of humidity	11
	5.7 Specimen holders	11
	5.8 Apparatus to assess changes in properties	11
6	Test specimens	12
7	Test conditions	12
	7.1 Radiation	12
	7.2 Temperature	12
	7.3 Condensation and spray cycles	12
	7.4 Cycles with dark periods	12
	7.5 Sets of exposure conditions	12
8	Procedure	14
	8.1 General	14
	8.2 Mounting the test specimens	14
	8.3 Exposure	14
	8.4 Measurement of radiant exposure	15
	8.5 Determination of changes in properties after exposure	15
9	Test report	15
Annex A (normative) Relative irradiance of typical fluorescent UV lamps		16
Annex B (informative) Condensation type device		20
Annex C (informative) Climatic chamber type device		21
Annex D (informative) Alternative test cycles		22
Bibliography		23