

DIN EN ISO/CIE 11664-2:2022-12 (E)

Colorimetry - Part 2: CIE standard illuminants (ISO/CIE 11664-2:2022)

| Contents | | Page |
|---|---|-------------|
| European foreword..... | | 3 |
| Foreword..... | | 4 |
| Introduction..... | | 5 |
| 1 | Scope | 6 |
| 2 | Normative references | 6 |
| 3 | Terms and definitions | 6 |
| 4 | CIE standard illuminant A | 7 |
| | 4.1 Definition..... | 7 |
| | 4.2 Theoretical basis..... | 7 |
| 5 | CIE standard illuminant D65 | 8 |
| | 5.1 Definition..... | 8 |
| | 5.2 Experimental basis..... | 8 |
| | 5.3 Correlated colour temperature..... | 8 |
| 6 | CIE standard illuminant D50 | 8 |
| | 6.1 Definition..... | 8 |
| | 6.2 Correlated colour temperature..... | 8 |
| 7 | Sources for realizing CIE standard illuminants | 9 |
| | 7.1 Source for CIE standard illuminant A..... | 9 |
| | 7.2 Sources for CIE standard illuminants D65 and D50..... | 9 |
| Annex A (informative) Table of relative spectral power distribution of CIE standard illuminant A | | 10 |
| Annex B (normative) Table of relative spectral power distributions of CIE standard illuminants D65 and D50 | | 23 |
| Annex C (informative) History of the definition of CIE standard illuminant A | | 36 |
| Bibliography | | 37 |