DIN ISO 6742-1:2026-09 (E)

Cycles - Lighting and retro-reflective devices - Part 1: Lighting and light signalling devices (ISO 6742-1:2023)

Contents

Page

Foreword ... **iv**

1 Scope ... **1**

2 Normative references ... **1**

3 Terms and definitions ... **1**

4 Photometrical requirements ... **3**
4.1 General ... 3
4.2 Front position lamp ... 3
4.2.1 Photometric requirements ... 3
4.2.2 Mode of illumination ... 4
4.3 Rear lamp ... 4
4.3.1 Photometric requirements ... 4
4.3.2 Mode of illumination ... 5
4.4 Stop lamp ... 5
4.4.1 Photometric requirements ... 5
4.4.2 Mode of illumination ... 6
4.5 Low beam ... 7
4.5.1 Photometric requirements ... 7
4.5.2 Mode of illumination ... 8
4.6 High beam ... 8
4.6.1 Photometric requirements ... 8
4.6.2 Mode of illumination ... 9
4.6.3 Additional requirements ... 9
4.7 Direction indicators ... 9
4.7.1 Photometric requirements ... 9
4.7.2 Mode of illumination ... 10
4.8 Stand light ... 10
4.8.1 Photometric requirements ... 10
4.8.2 Mode of illumination ... 11
4.9 Daytime running lamp ... 11
4.9.1 Photometric requirements ... 11
4.9.2 Mode of illumination ... 12
4.9.3 Additional requirements ... 12

5 Colour requirements ... **12**

6 Test methods ... **13**
6.1 General ... 13
6.2 Power supply and light source to test photometrical performances ... 13
6.3 Installation on test bench ... 14
6.4 Measuring of stop lamp activation and deactivation time ... 14
6.4.1 Test preparation and test conditions ... 14
6.4.2 Activation time ... 14
6.4.3 Deactivation time ... 14

Annex A (normative) **Measurement of flashing light** ... **15**

Annex B (normative) **Colour of the light emitted** ... **17**

Annex C (informative) **Current source** ... **18**

Bibliography ... **19**