

ISO 6742-4:2015-05 (E)

Cycles - Lighting and retro-reflective devices - Part 4: Lighting systems powered by the cycle's movement

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Lamps and interchangeable generators	2
4.1	General	2
4.2	Requirements	2
4.2.1	Dynamo-operated front lights	2
4.2.2	Dynamo-operated rear lights	2
4.2.3	Dynamos	3
4.3	Test Methods	4
4.3.1	Dynamo-operated front lights	4
4.3.2	Dynamo-operated rear lights	4
4.3.3	Dynamos	4
5	Lamps and dedicated generators	5
5.1	General	5
5.2	Requirements	5
5.2.1	Principle of lighting system	5
5.2.2	Speed ranges	5
5.3	Safety requirements	5
5.3.1	Environmental behaviour	5
5.3.2	Test method	6
6	Common requirements and test methods for lighting systems and the loading	6
6.1	Requirements	6
6.1.1	Corrosion resistance	6
6.1.2	Water resistance	6
6.1.3	Loading requirements	6
6.2	Test methods	6
6.2.1	Corrosion testing	6
6.2.2	Water resistance	6
6.2.3	Test of electronic load	6
7	Instructions	7
8	Marking	7
8.1	Requirement	7
8.2	Durability test	7
8.2.1	Requirement	7
8.2.2	Test method	7
Annex A (informative)	Electronic load for power-measurement of 6 V/1,5 W LED dynamos	8
Annex B (informative)	Efficiency calculation	10
Annex C (informative)	Verification of the electronic load	11
Bibliography		13