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# (JBPI/JSA) Lighting equipment for bicycles

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### Contents

## Page

Introduction 1	
1	Scope1
2	Normative references · · · · · · 1
3	Terms and definitions
4	Classification
5	Names of components and constructions
6	Beams colours and distribution of luminous intensity of lighting equipment
6.1	General ······6
6.2	$Luminous \ intensity \ distribution \ characteristic \ of \ head \ lamp \ \cdots \cdots \ 6$
6.3	Luminous intensity distribution of rear lamp ······9
6.4	Beam colours emitted from lighting equipment10
7	Dynamo lamp ·····11
7.1	Open system ······11
7.2	Closed system ·····12
8	Battery-operated lighting equipment ······13
8.1	Open system (primary battery and secondary battery) ······13
8.2	Closed system (secondary battery) ······13
8.3	Low battery indicator ·····13
8.4	Primary battery ······13
8.5	Secondary battery ······13
8.6	Switch performance 13
9	Environmental performances ······14
9.1	Vibration resistance for lighting equipment ······14
9.2	Shock resistance for head lamp ······14
9.3	Temperature performance for lighting equipment ······14
9.4	Moisture resistance for lighting equipment
9.5	Corrosion resistance for lighting equipment
9.6	Cyclic temperature change performance for lighting equipment
9.1	righ-speed running performance for head lamp
10	Constructions ······15
11	Appearance ·····16
11.1	General ·····16
11.2	Adhesiveness of coating

12	Test methods ······16
12.1	Test conditions
12.2	Luminous intensity distribution test for lighting equipment16
12.3	Beam colours emitted from lighting equipment
12.4	Test for open system ······18
12.5	Test for closed system ·····19
12.6	Test for open system (primary battery and secondary battery)19
12.7	Test for closed system (secondary battery)19
12.8	Test for environmental behaviour
12.9	Test for construction and appearance
12.10	Test for marking ······22
13	Marking
13.1	Marking on product
13.2	Marking on package
13.3	Durability of marking ······24
14 I	nstructions ······24
Annex	A (informative) Measurement of flashing light
Annez	x JA (informative) Front position lamp, stop-lamp, direction indicators and stand-light
Annez	x JB (informative) Comparison table between JIS and corresponding International Standards

### Foreword

This Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Japan Bicycle Promotion Institute (JBPI)/Japanese Standards Association (JSA) with a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act applied mutatis mutandis pursuant to the provision of Article 16 of the said Act. This edition replaces the previous edition (JIS C 9502 : 2014), which has been technically revised.

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## Lighting equipment for bicycles

### Introduction

This Japanese Industrial Standard has been prepared based on ISO 6742-1 : 2015, Edition 3, ISO 6742-3 : 2015, Edition 1, ISO 6742-4 : 2015, Edition 1 and ISO 6742-5 : 2015, Edition 1 by incorporating the parts corresponding to this Standard [luminous intensity distribution characteristic of head lamp (low beam and high beam), output characteristics, environmental performances] without any modifications of the technical contents, but also adding some JIS specification contents [luminous intensity distribution characteristic (general purpose beam) for head lamp, shock resistance, cyclic temperature change performance, construction and appearance] that are not given in the said corresponding International Standards.

The vertical lines on both sides and dotted underlines indicate changes from the corresponding International Standards. A list of modifications with the explanations is given in Annex JB.

### 1 Scope

This Standard specifies the requirements for the lighting equipment mounted on bicycles specified in **JIS D 9111** (hereafter referred to as lighting equipment).

For electric power assisted cycles which use batteries both for driving a power assisting system and for powering a head lamp and rear lamp, this Standard is applicable to the items which can be tested only with a head lamp and a rear lamp.

NOTE The International Standards corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 6742-1 : 2015 Cycles — Lighting and retro-reflective devices — Part 1 : Lighting and light signalling devices

ISO 6742-3 : 2015 Cycles — Lighting and retro-reflective devices — Part 3 : Installation and use of lighting and retro-reflective devices

ISO 6742-4 : 2015 Cycles — Lighting and retro-reflective devices — Part 4 : Lighting systems powered by the cycle's movement

ISO 6742-5 : 2015 Cycles — Lighting and retro-reflective devices — Part 5 : Lighting systems not powered by the cycle's movement (overall evaluation : MOD)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standards and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21-1**.

#### 2 Normative references

The following standards contain provisions which, through reference in this text,