

Haining Naite Lighting Factory

December 5, 2014

Rijksdienst voor het Wegverkeer
Certification and Supervision
Europaweg 205
2700 AT ZOETERMEER
The Netherlands

Subject for ECE-type approval

Dear Sir:

We hereby apply for an ECE type-approval

Concerning : Automotive Filament Lamp

Regulation : ECE Regulation No.37

For the component type : C5W 12V 5W

Name and address of manufacturer : Haining Naite Lighting Factory
No.9, Shanhong Road, Yuanhua Town, Haining City,
Zhejiang Province, China

We confirm that the above application has not been submitted to any other Member State of the European Union, nor has any Member State of the European Union granted a corresponding type approval.

Yours faithfully,

A handwritten signature in black ink is written over a red circular stamp. The stamp contains the Chinese characters '海宁市耐泰照明电器有限公司' (Haining Naite Lighting Factory) around a central red star.





THE NETHERLANDS
(N E D E R L A N D)



COMMUNICATION

Concerning ⁽¹⁾:

- approval granted
- ~~- approval extended~~
- ~~- approval refused~~
- ~~- approval withdrawn~~
- ~~- production definitely discontinued~~

of a type of filament lamp pursuant to Regulation number 37.

Approval number: E4-37R-032W2

Extension number:00

1. Trade name or mark of the device : Naite, TAKO, FUKUYAMA, NT
2. Manufacturer's name for the type of device : C5W 12V 5W
3. Manufacturer's name and address : Haining Naite Lighting Factory
No.9, Shanhong Road, Yuanhua Town,
Haining City, Zhejiang Province,
China.
4. If applicable, name and address of the
manufacturer's representative : not applicable
5. Submitted for type-approval on : December 5, 2014
6. Technical service responsible for
conducting approval tests : TÜV Rheinland Kraftfahrt GmbH
Technologiezentrum Verkehrssicherheit
Am Grauen Stein
D-51105 Köln
7. Date of report issued by that service : January 16, 2015
8. Number of report issued by that service : 89-R37-046/15-00
9. Concise description
 - Category of filament lamp : C5W
 - Rated voltage : 12V
 - Rated wattage : 5W



- Colour of the light emitted : white/~~selective yellow/amber/red~~⁽¹⁾
- Colour coating on glass bulb : ~~yes~~ / no⁽¹⁾
- Halogen filament lamps : ~~yes~~/no⁽¹⁾
10. Position of the approval mark : on the cap of filament lamp
11. Reason(s) for extension (if applicable) : ---
12. Approval : granted/~~extended/refused/withdrawn~~⁽¹⁾
13. Place : Zoetermeer
14. Date : 13-FEB-2015
15. Signature :


Uwe Löbig



16. The following documents, bearing the approval number shown above, are available on request

- 1 application (1 page)
- 1 information folder of the manufacturer (3 pages)
- 1 test report No. 89-R37-046/15-00 (6 pages)

⁽¹⁾ Strike out what does not apply.

PARTIAL MODEL INFORMATION DOCUMENT NO. NT/C5W 12V-00

**PURSUANT TO UNIFORM PROVISIONS CONCERNING THE APPROVAL OF FILAMENT LAMPS
FOR USE IN APPROVED LAMP UNITS OF POWER DRIVEN VEHICLES AND OF THEIR TRAILERS**

ECE-R37
including all amendments until
Amend. 03 Suppl. 42

Type: C5W 12V 5W

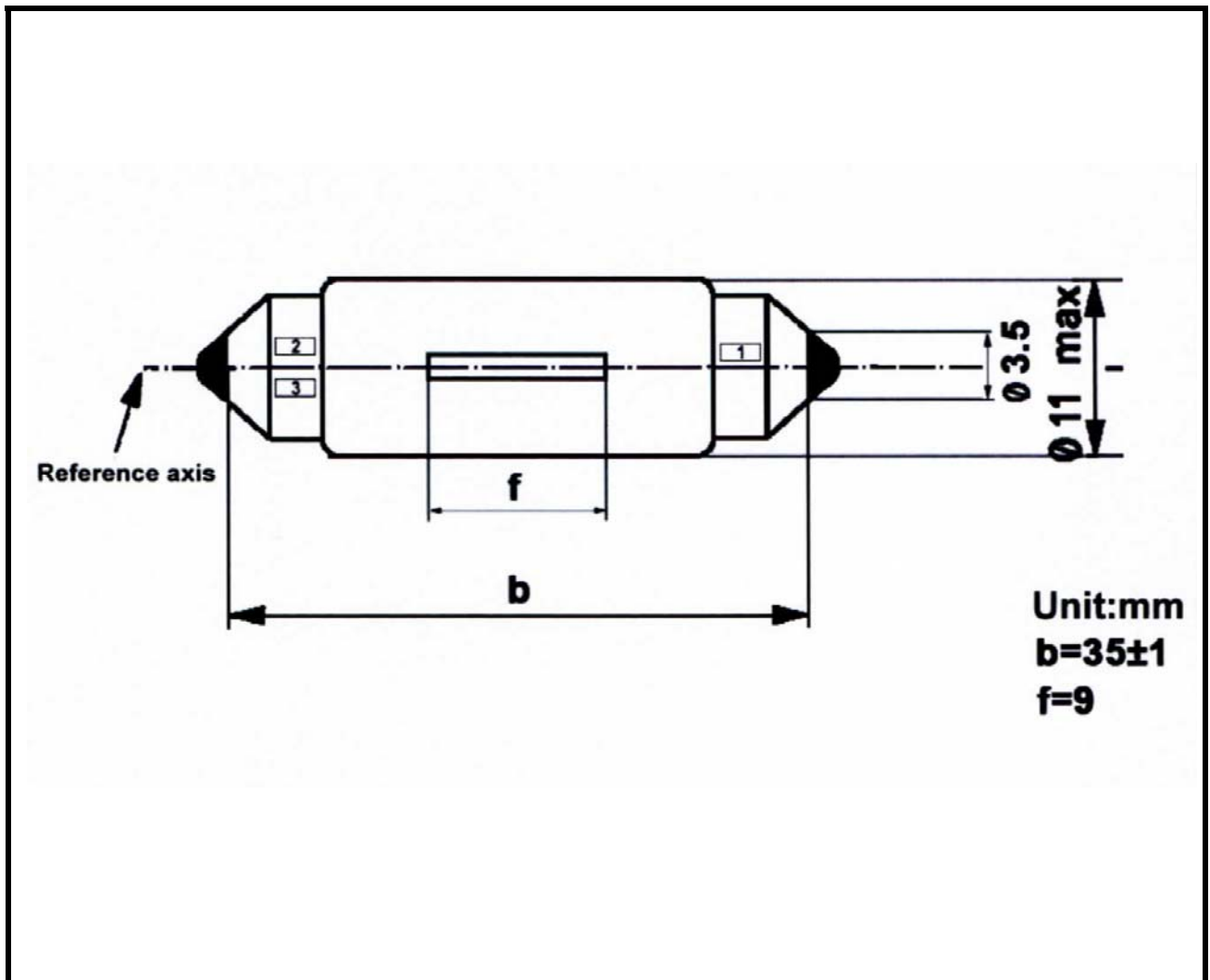
This model information document consists of page 1 to 3



Technical information of the ECE type approval

- 1 Trade name or mark of the device : Naite, TAKO, FUKUYAMA, NT
- 2 Manufacturer's name for the type of device : C5W 12V 5W
- 3 Manufacturer's name and address : Haining Naite Lighting Factory
No.9, Shanhong Road, Yuanhua Town, Haining City,
Zhejiang Province, China
- 4 If applicable, Name and address of
manufacturer's representative : Not applicable
- 5 Application date : December 5, 2014
- 6 Concise description
Category of lamp : C5W
Rated voltage : 12V
Rated wattage : 5W
Colour of light emitted : white/~~selective yellow/amber/red~~
Colour coating on glass bulb : ~~yes/~~ no
Halogen filament lamps : ~~yes/~~ no
- 7 Position of the approval mark : on the cap of filament lamp
- 8 Reason(s) for extension : not applicable
- 9 Drawing : see page 3





1	Trade name	Naite, TAKO, FUKUYAMA, NT
2	TYPE, UV mark	C5W 12V 5W
3	E-mark	<p>Diagram of the E-mark. It shows a rounded rectangle containing the text 'E 4'. The height of the rectangle is $\frac{2a}{3}$ and the width is 'a'. To the right, the text 'XXX' is shown with a height of $\frac{a}{3}$. Below the diagram, the text 'a=3.0mm' is written.</p>

Manufacturer : Haining Naite Lighting Factory
Type : C5W 12V 5W

TEST REPORT

according to ECE-Regulation

Uniform provisions concerning the approval of filament lamps for use in approved lamp units of power-driven vehicles and of their trailers

ECE-R37

including all amendments until

**series of amendments: 03
Supplement 42**

Approval status	
ECE - certificate	: E4-37R-032W2 ext. 00

Structure of report:

0. General information
1. Test object(s)
2. Test minutes
3. Remark concerning tested object(s)
4. Appendices
5. Statement of conformity

The Test Report shall be reproduced and published in full by the client only. It shall however be reproduced partially with the written permission of the Testing Laboratory only.

Manufacturer : **Haining Naite Lighting Factory**
Type : **C5W 12V 5W**

0. General information

- 0.1 Make (trade name of the manufacturer) : Naite, TAKO, FUKUYAMA, NT
- 0.2 Category : C5W
- 0.3 Name and address of the manufacturer : Haining Naite Lighting Factory
No.9, Shanhong Road, Yuanhua Town,
Haining City, Zhejiang Province,
China.
- 0.4 Name and address of the manufacturer's
authorised representative : not applicable
- 0.5 No. of information folder : NT/C5W 12V-00
Date of issue : December 5, 2014
Date of last amendment : ---
- 0.6 Test date : December 19, 2014
- 0.7 Test site : Baoji, China

1. Test object(s)

- 1.1 Identification number : ---
- 1.2 Samples : 5 pieces
- 1.3 Remark : The results of the test refer exclusively to the object(s) mentioned
under point 1.1 of this report.

~~The type has been tested according to the amendments mentioned in
appendix 0.~~

~~The actual test was not necessary and the results of the previous tests
are still valid.~~

Manufacturer : **Haining Naite Lighting Factory**
Type : **C5W 12V 5W**

2. Test minutes

- 2.1 Test facilities : The test equipment used was in compliance with the requirements of the regulation.
- 2.2 Test results : The filament lamp had been tested in the version described in Appendix 1, regarding the exterior characteristics, geometrical position of filament, shape and its electrical and photometric characteristics.
- 2.2.1 Markings : The trade names ~~commercial descriptions~~, category of filament lamp, rated voltage and rated wattage are marked clearly legible and indelible on the cap of the filament lamp. The approval mark will be arranged on the filament lamp as described in the technical description.
- 2.3 General specification : The filament lamp is designed as to be and to remain in good working order when in normal use. The tested samples moreover did exhibit no fault in design or manufacture.
- 2.4 Manufacture : The filament lamp samples did exhibit no scores or spots which might impair their efficiency and their optical performance. The filament lamps are equipped with standard caps complying with the cap data sheets of IEC Publication 60061, third edition, as specified of the individual lamp data sheet of annex 1. The cap is strong and firmly secured to the bulb.

Manufacturer : Haining Naite Lighting Factory
Type : C5W 12V 5W

3. Remark concerning tested object(s) : All versions of the filament lamp type as stated in the information document are covered with the tested filament lamp version(s) and test object(s) respectively.

4. Appendices

0 List of modifications

1 Test minutes

Information folder : NT/C5W 12V-00

5. Statement of conformity

The above mentioned information folder and the type described in that comply with the requirements mentioned on page 1.

Engineering Center Shanghai, January 16, 2015
ND



Nancy Deng
Expert Technical Service



Manufacturer : Haining Naite Lighting Factory
Type : C5W 12V 5W

List of modifications

Appendix 0

Correction of : - ---

Modification of : - ---

Addition of : - ---

Deletion of : - ---

Manufacturer : Haining Naite Lighting Factory

Type : C5W 12V 5W

Test minutes

Appendix 1

Electrical and photometric characteristics

	Sample No.					Rated values
	1	2	3	4	5	
Voltage (V)	13.500					13.5V
Current (A)	0.371	0.383	0.372	0.380	0.382	/
Wattage (W)	5.0	5.2	5.0	5.1	5.2	5.5 max.
Luminous flux (Lm)	44	43	42	46	47	36~54

The requirements regarding the maximum wattage and allowable minimum and maximum luminous flux values had been met.

Position and dimension of filament lamp

Dimensions	Measurements in mm for sample No.					Rated values
	1	2	3	4	5	
b	34.22	34.12	34.06	34.13	34.28	34.0~36.0
f	8.24	8.72	8.12	8.31	8.28	7.5~15.0
deviation of filament centre	0.23	0.95	1.03	-0.02	0.15	0±2.0
diameter of bulb	10.0	10.5	10.6	10.9	10.6	11 max.

The requirements regarding the prescribed dimensions and tolerances had been met.

UV Radiation : Not applicable

Colour The filament lamps have uncoloured bulbs. The samples fulfil the requirement according to Par. 3.6 of the Regulation.