

# **ECE TYPE-APPROVAL CERTIFICATE**



Communication concerning:<sup>2</sup>

Approval granted Approval extended Approval refused Approval withdrawn Production definitively discontinued

Of a type of side-marker lamp marked  $SM_1/SM_2^2$  pursuant to Regulation No. 91

Approval No: <u>E24\*91R00/16\*0288\*00</u>

Reason(s) for extension:

1. Trade name or mark of the side-marker lamp:

- Manufacturer's name for the type of side-marker lamp:
   Variants :
- 3. Manufacturer's name and address:

4. If applicable, name and address of manufacturer's representative:

5. Submitted for approval on:

6. Technical service responsible for conducting approval tests:

- 7. Date of test report:
- 8. Number of report:

CT-11-33 Rev 5

9. Concise description:

Colour of light emitted (amber/ $red^2$ ):

N/A



ZK-01-009

Variant 1: ZK-01-009; Variant 2: ZK-01-008

Changzhou Zhongkai Vehicle Parts Co., Ltd. Menghe Avenue, Henghe Town, Xinbei District, Changzhou City, Jiangsu Province P.C.: 213001

N/A

10.01.2018

TÜV SÜD Auto Service GmbH Westendstraße 199 D-80686 München

04.01.2018

17-01936-CX-SHA-00

Side Marker Lamp Category SM1

Amber



## Approval No: <u>E24\*91R00/16\*0288\*00</u>

	Number and category(ies) of filament lamp(s):	1*R10W
	Light source module: yes/no <sup>2</sup>	No
	Light source module specific identification code:	N/A
	Only for limited mounting height equal to or less than 750 mm above the ground: $\frac{\text{yes}}{\text{no}^2}$	No
	Geometrical conditions of installation and relating variations, if any:	Please refer to information document
	Application of an electronic light source control gear/variable intensity control:	N/A
	<ul> <li>(a) Being part of the lamp: yes/no/not applicable<sup>2</sup></li> <li>(b) Being not part of the lamp: yes/no/not applicable<sup>2</sup></li> </ul>	N/A N/A
	Input voltage(s) supplied by an electronic light source control gear/variable intensity control:	N/A
	Electronic light source control gear/variable intensity control manufacturer and identification number (when the light source control gear is part of the lamp but is not included into the lamp body):	N/A
	The lamp is only for use on a vehicle fitted with a tell-tale indicating failure: $\frac{\text{yes}}{\text{no}^2}$ :	No
10.	Position of the approval mark:	On the lens
11.	Reason(s) for extension (if applicable):	N/A
12.	Approval granted/extended/refused/withdrawn:	Granted
13.	Place:	Dublin
14. 15.	Date: Signature:	26 <sup>th</sup> January, 2018

16. The list of documents deposited with the Administrative Service which has granted approval, is annexed to this communication and may be obtained on request.

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Approval No: <u>E24\*91R00/16\*0288\*00</u>

# **Index to the Information Package**

Date of issue:	26 <sup>th</sup> January, 2018
Date of latest amendment:	<i>N/A</i>
Reason for extension/revision:	<i>N/A</i>

- 1. Additional conditions, and advisory notes on legal alternatives.
- 2. Test report(s)
  - numbers(s):
     17-01936-CX-SHA-00

     date of issue:
     04.01.2018

*N/A* 

- date of latest amendment:
- 3. Information document

- number(s):	ZK-01-009-00
- date of issue:	14.12.2017
- date of latest amendment:	N/A
Documentation:	11 pages



Approval No: E24\*91R00/16\*0288\*00

#### Appendix: Additional conditions, and advisory notes on legal alternatives.

#### A: Additional conditions:

- 1. The device, Type ZK-01-009 shall be marked as prescribed by the regulation.
- 2. Fitting instructions shall be supplied with each device, giving details of any limitations in the use of the device.
- 3. The device should be fitted in accordance with the fitting instructions.
- 4. The attached technical report, with any of its attachments, forms part of this Type Approval certificate.
- 5. Each individual product from series production shall be to the measurements specified in the attached drawings, and shall be manufactured only from the materials specified in the Approval documents.
- 6. Changes in the product are permitted only with the explicit permission of NSAI. Breaches of this requirement will lead to a withdrawal of the Type Approval, and in addition may be subject to criminal prosecution.
- 7. This Type Approval will expire when it is surrendered by the holder, or withdrawn by NSAI, or when the approved type of product no longer conforms to legal requirements. The recall of the Type Approval can be issued by NSAI when the conditions required for the issuing or continuation of the Type Approval are no longer current, or when the Approval holder is in breach of the duties attached to the Type Approval, or when it is established that the approved type no longer meets the requirements of traffic safety.
- 8. NSAI may at any time check the correct performance of the duties imposed by the grant of this Type Approval, and in order to do so, may make tests, or have tests made.
- 9. Changes in the company name, address or manufacturing site, as well as in any of the sales or other agents specified in the issuing of the approval must immediately be notified to the NSAI.
- 10. The duties imposed by the issuing of this certificate are not transferable. The legal protection of third parties is not affected by this certificate.
- 11. When the manufacture or sale of the vehicle, system, component or separate technical unit has not been started within one year of the date of issue of this certificate, then NSAI is to be informed. This requirement also applies when the manufacture or sale has been halted for more than one year, or when it ought to have been halted for more than one year. The initial commencement of manufacture or sale, or the resumption of manufacture or sale, shall then be notified to NSAI within one month of commencement or resumption.

## B: Legal Options

Any objection to the requirements set out in this certificate shall be made within one month of the date of issue. The objection shall be made, in writing, to NSAI in Dublin.



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Manufacturer:	Changzhou Zhongkai Vehicle Parts Co., Ltd.	
Туре:	ZK-01-009	Page 1 / 6

# TECHNICAL REPORT

# No.: 17-01936-CX-SHA-00

Test according to ECE regulation relating to

Side-marker lamp marked SM1

# ECE Regulation No.: 91

Supplement 16 to the 00 series of amendments

Approvals granted up to now					
ECE	Number of approval	Date			
ECE					



Technical Report No.:	17-01936-CX-SHA-00	
Manufacturer:	Changzhou Zhongkai Vehicle Parts Co., Ltd.	
Туре:	ZK-01-009	Page 2 / 6

# I. <u>Technical description</u>

0.1.	Make (trade name of manufacturer)	:	R
0.2.	Туре	:	ZK-01-009
0.2.1.	Variants	:	Variant 1: ZK-01-009; Variant 2: ZK-01-008
0.3.	Means of identification of type	:	By digits and letters
0.4.	Concise description		
	Color of light emitted	:	Amber
	Number, category and kind of light source(s)	:	1*R10W
	Voltage and wattage	:	24V and 10W
	Light source module	:	No
	Light source module specific identification code	:	N/A
	Only for limited mounting height of equal to or less than 750 mm above the ground	:	No
	Geometrical conditions of installation and relating variations, if any	:	See manufacturer's information document
	Application of an electronic light source control gear/variable intensity control Being part of the lamp Being not part of the lamp	:	N/A N/A
	Input voltage(s) supplied by an electronic light source control gear/ variable intensity control	:	N/A



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Type:		ZK-01-009			Page 3 / 6
	variable intens and identification light source co	t source control gear/ ity control manufacturer on number(when the ntrol gear is part of the t included into the lamp	:	N/A	
0.5.	Name and add	Iress of manufacturer	:	Changzhou Zhongkai Vehicle Pa Ltd. Menghe Avenue, Henghe Town District, Changzhou City, Jiangs Province P.C.: 213001	Xinbei
0.8.	Address of as	sembly plant	:	See 0.5.	
0.9.	Location of the	e approval mark	:	On the lens	

0.10. If applicable, name and address of the : N/A manufacturer's representative



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	Changzhou Zhongkai Vehicle Parts Co., Ltd.

## II. <u>Test record</u>

1. <u>Test conditions</u>

1.1.	Technical data of the test samples	:	Two samples were tested. Sample No. 1, left side mounting. Sample No. 2, right side mounting. For information about the form of the lamp, the position of the reference point and the reference axis, see information document.
1.2.	Test procedures used	:	According to ECE Regulation No.: 91.00.
1.3.	Measuring and test equipment	:	Full automatic photometric test system for automobile lamps EVERFINE PHOTO-E-INFO CO.,LTD Type GO-HD5

## 2. <u>Test results</u>

## 2.1. General Specifications

The devices have been designed and constructed that in normal conditions of use, and notwithstanding the vibrations to which they may be subjected in such use, their satisfactory operation remains assured and they retain the characteristics prescribed by this Regulation.



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## 2.2. Intensity of light emitted

# 2.2.1. Sample No. 1 and sampel no. 2, test voltage 14.109V.

No.	Point of the meas-	Limits [cd]		Measured values [cd]		Conclusion	
INO.	ure	ment	Min.	Max.	Sample No. 1	Sample No. 2	CONCIUSION
1	45L	10U	0.60	25.00	1.64	1.62	Complies
2	45R	10U	0.60	25.00	1.26	1.99	Complies
3	Н	V	4.00	25.00	4.37	5.10	Complies
4	45R	10D	0.60	25.00	1.25	1.95	Complies
5	45L	10D	0.60	25.00	1.64	1.63	Complies
6	Visibility defined		0.06		0.72	0.86	Complies
7	by Annex 1			25.00	4.98	5.37	Complies

# 2.3. Colour-Amber

Sample Measured		d values	Limits			
Sample	х	у	y ≤ x - 0.120 y ≥ 0.390		y ≥0.790 - 0.670 x	
No. 1	0.5869	0.4066	Yes	Yes	Yes	
No. 2	0.5872	0.4068	Yes	Yes	Yes	

## 2.4. Apparent surface

Limit(I)	Limit (O)	Limit (U)	Limit (D)
15mm	15mm	10mm	10mm

3.	Specimen submitted to test on	: 2017-12-14(YYYY-MM-DD)
4.	Place of test	: Jiangsu Huachen Vehicle Inspection Co., Ltd., Zhenjiang City, P.R. China
	Date of test	: 2017-12-19(YYYY-MM-DD)
III.	<u>Enclosures</u>	
III.	Enclosures Manufacturer's information document No.	: ZK-01-009-00



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Manufacturer:	Changzhou Zhongkai Vehicle Parts Co., Ltd.	
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## IV. <u>Statement of conformity</u>

The information folder as mentioned under No. III and the type described therein are in compliance with the test specification mentioned above. The worst-case was selected in accordance with document "Preparation of Test Reports".

The test report may be reproduced and published in full and by the client only. It can be reproduced partially with the written permission of the test laboratory only.



München, 2018-01-04 (YYYY-MM-DD)

Joe Zhou

## Test Laboratory / DIN EN ISO 17025

Genehmigungsbehörde/ Approval authority	Land/Country	Registriernummer/ Registration- number	Aktueller Benennungsumfang/ Actual scope list
Kraftfahrt-Bundesamt (KBA)	Deutschland/ Germany	KBA-P 00100-10	www.kba.de
Vehicle Certification Agency (VCA)	Vereintes VCA-TS-006 Königreich/ United Kingdom		http://ec.europa.eu/enterprise/sectors/automotive/approv al-authorities-technical-services/technical- services/index_en.htm
Approval Authority of the Netherlands (RDW)	Niederlande/ The Netherlands	RDWT-082-XX	
National Standards Au- thority of Ireland (NSAI)	Irland/ Ireland	Technical Service Number: 49	
Vehicle Safety Certifica- tion Center (VSCC)	Taiwan/ Taiwan	DE04-06-2	http://www.vscc.org.tw/English/Default.aspx

ZK-01-009-00

First application date :

December 14, 2017

1. Specification data

,	Туре	ZK-01-009									
Variant		Variant 1: ZK-01-009 Variant 2: ZK-01-008									
Function		Rear group lamp									
		Rear retro- reflector Device	Side retro- reflector Device	License plate lamp	Rear direction indicator lamp	Stop lamp	Rear position lamp	Rear end -outline marker lamp	Reversing lamp	Rear fog lamp	Side marker lamp
(	Color	Red	Amber	Colorless	Amber	Red	Red	Red	White	Red	Amber
D ( 1	Voltage			24V	24V	24V	24V	24V	24V	24V	24V
Rated	Wattage			10W	21W	21W	2*10W	10W	21W	21W	10W
App	Application		R3.02	R4.00	R6.01	R7.02	R7.02	R7.02	R23.00	R38.00	R91.00
Regul	Regulation ECE		Class IB	Cat. 1b	Cat. 2a	Cat. S1	Cat. R1	Cat. RM1	AR	Cat. F1	Cat.SM1
	Number and category of light source	R10W P21W P21W 2*R10W R10W P21W P21W R10W Marked on housing									
Location of marking	Trade mark	R									
	Approval mark		Marked on housing Marked on lens								
Remark		Sequential activation of light sources: No									
		The lamp is only for use on a vechicle fitted with a tell-tale indicating failure: No									

#### 2. Construction and material

Construction	Material	Remarks
		L.P.L.+R.L.: Clear
Lens	AS	S.D.+R.D.L.+S.M.L.: Amber
		R.D.+S.L.+R.P.L.+R.E.L.+R.F.L.: Red
		AL vacuum vapour coating
Reflector	PP	Painting on the inside surface
		Colour: Metal silver
Housing	ABS	Colour: Black
Electrical Wiring	Copper covered with insulation	

3. Name and address of manufacturer	:	Changzhou Zhongkai Vehicle Parts Co., Ltd. Menghe Avenue, Henghe Town, Xinbei District, Changzhou City, Jiangsu Province P.C.: 213001
4. Name and address of the assembly plant	:	See 3.
5. Name and address of the manufacturer's representative	:	N/A

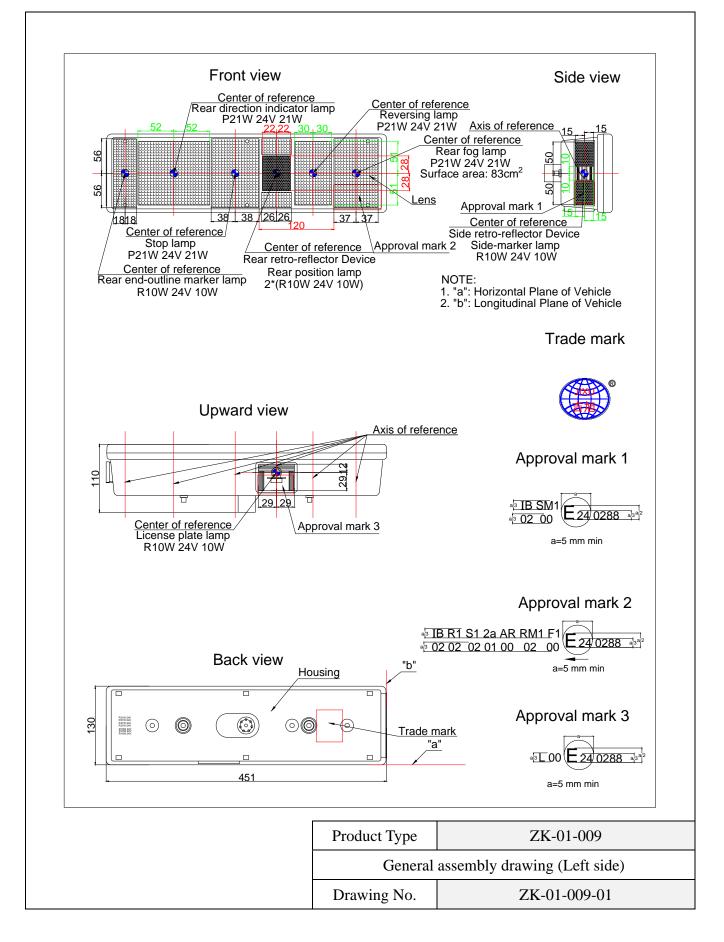
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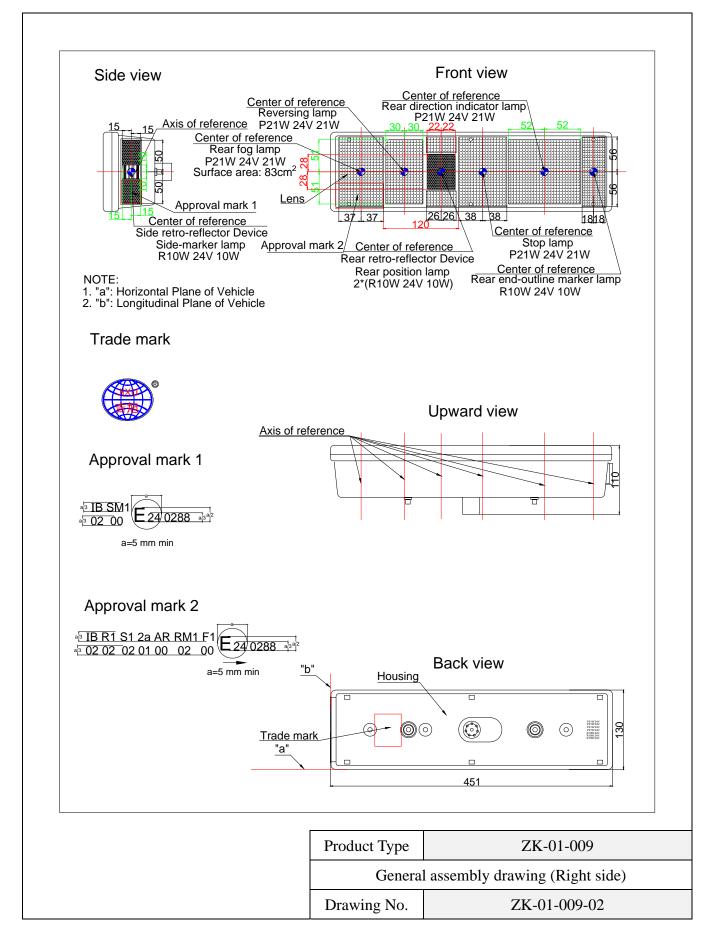
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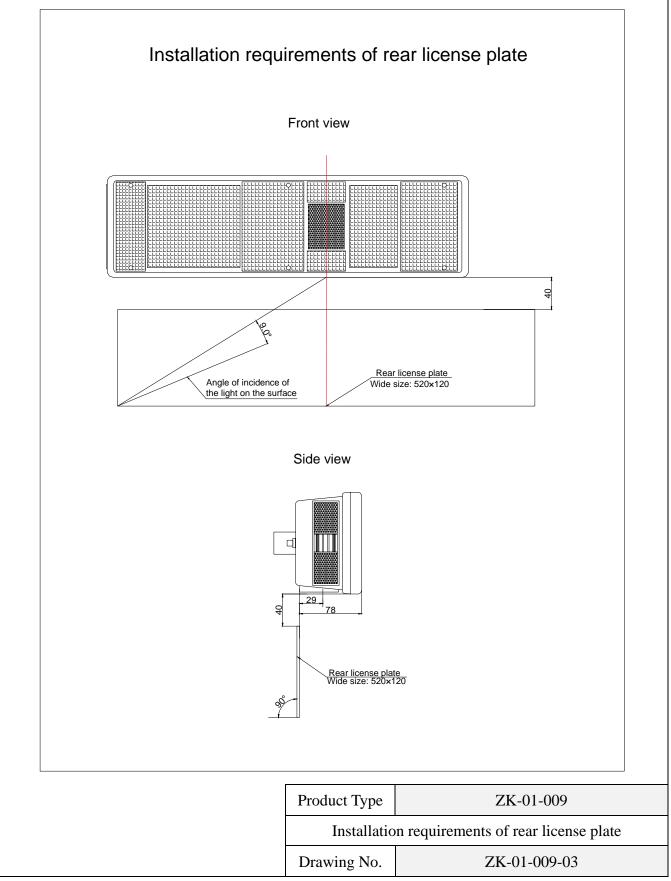
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