


**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- ~~approval withdrawn~~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 direction indicator pursuant to Regulation number 6.

Approval number: E4-6R-0124274**Extension number: 00**

1. Trade name or mark of the device : 
2. Manufacturer's name for the type of device : DF-TRS008
3. Manufacturer's name and address : Zhejiang Dahao Automotive Co., Ltd.
Xiaotian Village, Duqiao Town, Linhai City,
Taizhou City, Zhejiang Province, P.R. China
317000
4. If applicable, name and address of the manufacturer's representative : Not applicable
5. Submitted for approval on : 19 June 2015
6. Technical service responsible for conducting approval tests : TÜV SÜD Auto Service GmbH
Westendstraße 199
D-80686 München
7. Date of test report issued by that service : 1 July 2015
8. Number of test report issued by that service : 15-00441-CX-SHA-00



9. Concise description
- Category : 1/1a/1b/2a/2b/3/4/5/6⁽¹⁾
- Number, category : Not applicable (Lamp consists of 6 LEDs)
- Voltage and wattage : 12V/24V and 1W
- Light source module specific identification code : Not applicable
- Only for limited mounting height of equal to or less than 750 mm above the ground : ~~yes~~/no⁽¹⁾
- 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 : Not applicable
- (a) being part of the lamp : ~~yes~~/no⁽¹⁾
- (b) being not part of the lamp : ~~yes~~/no⁽¹⁾
- Input voltage(s) supplied by an electronic light source control gear/variable intensity control : Not applicable
- 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) : Not applicable
- Variable luminous intensity : ~~yes~~/no⁽¹⁾
10. Position of the approval mark : On the lens
11. Reason(s) for extension (if applicable) : Not applicable
12. Approval : granted/~~extended/refused/withdrawn~~⁽¹⁾



13. Place : Zoetermeer
14. Date : 28-JUL-2015
15. Signature :


Uwe Löbig



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.
- Information document: DF-TRS008-00, 3 pages dated 19 June 2015

⁽¹⁾ Strike out what does not apply.



Technical Report No.: 15-00441-CX-SHA-00
Manufacturer: Zhejiang Dahao Automotive Co., Ltd.
Type: DF-TRS008

TECHNICAL REPORT

No.: 15-00441-CX-SHA-00

Test according to ECE regulation relating to

Rear direction indicator lamp category 2a

ECE Regulation No. 6

Supplement 25 to the 01 series of amendments


| Approvals granted up to now | | |
|-----------------------------|--------------------|------|
| ECE | Number of approval | Date |
| | --- | --- |



Technical Report No.: 15-00441-CX-SHA-00
Manufacturer: Zhejiang Dahao Automotive Co., Ltd.
Type: DF-TRS008

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I. Technical description

- 0.1. Make (trade name of manufacturer) : 
- 0.2. Type : DF-TRS008
- 0.2.1. Variants : N/A
- 0.3. Means of identification of type : By digits and letters
- 0.4. Location of the trade mark : On the lens
- 0.5. Concise description
- Category : Rear direction indicator lamp category 2a
- Number, category : N/A (Lamp consists of 6 LEDs)
- Voltage and wattage : 12V/24V and 1W
- In case of a single lamp containing more than one light source : In series, single light source
- 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 : No
- Being not part of the lamp : No
- 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 : N/A



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Manufacturer: Zhejiang Dahao Automotive Co., Ltd.
Type: DF-TRS008

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- Variable luminous intensity : No
- 0.6. Name and address of manufacturer : Zhejiang Dahao Automotive Co., Ltd.
Xiaotian Village, Duqiao Town, Linhai
City, Taizhou City, Zhejiang Province,
P.R. China 317000
- 0.8. Name and address of assembly plant : See 0.6.
- 0.9. Location of the approval mark : On the lens
- 0.10. If applicable, name and address of the
manufacturer's representative : N/A

II. Test record

1. Test conditions

- 1.1. Technical data of the test samples : Two samples are tested.
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.: 6.01.
- 1.3. Measuring and test equipment : The above equipments on which the tests
were carried out fulfilled the requirements
of ECE Regulation No.: 6.01.
- 1.4. Standard bulb : N/A
- Luminous flux : N/A

2. Test results

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.

No light source module or light generator is used.



2.2. Intensity of light emitted

2.2.1. Sample No. 1, left side mounting, test voltage 13.499V, at HV after 1 minute of operation.

| No. | Point of the measurement | | Limits [cd] | | Measured values [cd] |
|-----|--------------------------|---|-------------|---------|----------------------|
| | | | Minimum | Maximum | |
| 1 | H | V | 50.00 | 500.00 | 67.43 |

2.2.1.1. Sample No. 1, left side mounting, test voltage 13.499V, all LEDs on, after 30 minutes of operation.

| No. | Point of the measurement | | Limits [cd] | | Measured values [cd] | |
|-----|-----------------------------------|-----|-------------|---------|----------------------|---------------|
| | | | Minimum | Maximum | | |
| 1 | 5L | 10U | 10.00 | 500.00 | 21.41 | |
| 2 | 5R | 10U | 10.00 | 500.00 | 22.73 | |
| 3 | 20R | 5U | 5.00 | 500.00 | 11.29 | |
| 4 | 10R | 5U | 10.00 | 500.00 | 33.13 | |
| 5 | H | 5U | 35.00 | 500.00 | 47.03 | |
| 6 | 10L | 5U | 10.00 | 500.00 | 22.17 | |
| 7 | 20L | 5U | 5.00 | 500.00 | 9.84 | |
| 8 | 10L | V | 17.50 | 500.00 | 28.74 | |
| 9 | 5L | V | 45.00 | 500.00 | 53.69 | |
| 10 | H | V | 50.00 | 500.00 | 65.14 | |
| 11 | 5R | V | 45.00 | 500.00 | 54.97 | |
| 12 | 10R | V | 17.50 | 500.00 | 39.28 | |
| 13 | 20R | 5D | 5.00 | 500.00 | 11.68 | |
| 14 | 10R | 5D | 10.00 | 500.00 | 34.41 | |
| 15 | H | 5D | 35.00 | 500.00 | 51.16 | |
| 16 | 10L | 5D | 10.00 | 500.00 | 24.95 | |
| 17 | 20L | 5D | 5.00 | 500.00 | 9.97 | |
| 18 | 5L | 10D | 10.00 | 500.00 | 24.29 | |
| 19 | 5R | 10D | 10.00 | 500.00 | 25.01 | |
| 20 | All directions defined by Annex 1 | | 0.30 | 500.00 | Min. 0.94 | Max. 66.79 |

2.2.1.2. Sample No. 1, intensity of light emitted (LED) after 1 minute -by calculation

The luminous intensity distribution after 1 minute of operation complies with the minimum and maximum requirements.



2.2.2. Sample No. 2, right side mounting, test voltage 27.999V, at HV after 1 minute of operation.

| No. | Point of the measurement | | Limits [cd] | | Measured values [cd] |
|-----|--------------------------|---|-------------|---------|----------------------|
| | | | Minimum | Maximum | |
| 1 | H | V | 50.00 | 500.00 | 66.32 |

2.2.2.1. Sample No. 2, right side mounting, test voltage 27.999V, all LEDs on, after 30 minutes of operation.

| No. | Point of the measurement | | Limits [cd] | | Measured values [cd] | |
|-----|-----------------------------------|-----|-------------|---------|----------------------|---------------|
| | | | Minimum | Maximum | | |
| 1 | 5L | 10U | 10.00 | 500.00 | 24.97 | |
| 2 | 5R | 10U | 10.00 | 500.00 | 27.71 | |
| 3 | 20R | 5U | 5.00 | 500.00 | 10.95 | |
| 4 | 10R | 5U | 10.00 | 500.00 | 29.09 | |
| 5 | H | 5U | 35.00 | 500.00 | 44.23 | |
| 6 | 10L | 5U | 10.00 | 500.00 | 23.82 | |
| 7 | 20L | 5U | 5.00 | 500.00 | 11.22 | |
| 8 | 10L | V | 17.50 | 500.00 | 27.96 | |
| 9 | 5L | V | 45.00 | 500.00 | 54.76 | |
| 10 | H | V | 50.00 | 500.00 | 63.91 | |
| 11 | 5R | V | 45.00 | 500.00 | 52.89 | |
| 12 | 10R | V | 17.50 | 500.00 | 31.27 | |
| 13 | 20R | 5D | 5.00 | 500.00 | 10.66 | |
| 14 | 10R | 5D | 10.00 | 500.00 | 24.76 | |
| 15 | H | 5D | 35.00 | 500.00 | 40.13 | |
| 16 | 10L | 5D | 10.00 | 500.00 | 22.64 | |
| 17 | 20L | 5D | 5.00 | 500.00 | 10.16 | |
| 18 | 5L | 10D | 10.00 | 500.00 | 19.85 | |
| 19 | 5R | 10D | 10.00 | 500.00 | 20.61 | |
| 20 | All directions defined by Annex 1 | | 0.30 | 500.00 | Min. 1.21 | Max. 66.15 |

2.2.2.2. Sample No. 2, intensity of light emitted (LED) after 1 minute
 -by calculation

The luminous intensity distribution after 1 minute of operation complies with the minimum and maximum requirements.



Technical Report No.: 15-00441-CX-SHA-00
 Manufacturer: Zhejiang Dahao Automotive Co., Ltd.
 Type: DF-TRS008

2.3. Colour - Amber

| Sample | Measured values | | Limits | | |
|--------|-----------------|--------|--------------------|----------------|--------------------------|
| | x | y | $y \leq x - 0.120$ | $y \geq 0.390$ | $y \geq 0.790 - 0.670 x$ |
| No. 1 | 0.5864 | 0.4107 | Yes | Yes | Yes |
| No. 2 | 0.5852 | 0.4115 | Yes | Yes | Yes |

2.4. Apparent surface

| Upper boundary "U" (mm) | Down boundary "D" (mm) | Inner boundary "I" (mm) | Outer boundary "O" (mm) |
|----------------------------|---------------------------|----------------------------|----------------------------|
| 13 | 13 | 38 | 38 |

3. Specimen submitted to test on: 19.06.2015 (DD.MM.YYYY)

4. Place of test: Jiangsu Huacheng Vehicle Inspection Co.,
 Ltd., Zhenjiang City, P.R. China

Date of test: 24.06.2015 (DD.MM.YYYY)

III. Enclosures

Manufacturer's information document

No.: DF-TRS008-00

Dated on: 19.06.2015 (DD.MM.YYYY)





Technical Report No.: 15-00441-CX-SHA-00
 Manufacturer: Zhejiang Dahao Automotive Co., Ltd.
 Type: DF-TRS008

IV. Statement of conformity

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".

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München, 01.07.2015

(DD.MM.YYYY)



Gu, Qing

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 Königreich/ United Kingdom | VCA-TS-006 | http://ec.europa.eu/enterprise/se ctors/automotive/approval- authorities-technical- services/technical- services/index_en.htm |
| Approval Authority of the Netherlands (RDW) | Niederlande/ The Netherlands | RDWT-082-01 | |
| National Standards Author- ity of Ireland (NSAI) | Irland/ Ireland | Technical Service Number: 49 | |
| Vehicle Safety Certification Center (VSCC) | Taiwan/ Taiwan | DE04-06-2 | http://www.vsc.org.tw/English/Default.aspx |



Zhejiang Dahao Automotive Co., Ltd.
Xiaotian Village, Duqiao Town, Linhai City,
Taizhou City, Zhejiang Province, P.R. China 317000

June 19, 2015

Dear Sirs,

We would like to apply for the type approval according to ECE.

| Function | ECE approval number |
|-------------------------------|---------------------|
| Rear direction indicator lamp | E4-6R-0124274 |
| Stop lamp | E4-7R-0224274 |
| Rear position lamp | E4-7R-0224274 |

| | | |
|--|---|--|
| Trade name or mark | : |  |
| Manufacturer's name for type of device | : | DF-TRS008 |
| Name and address of manufacturer | : | Zhejiang Dahao Automotive Co., Ltd. Xiaotian Village, Duqiao Town, Linhai City, Taizhou City, Zhejiang Province, P.R. China 317000 |

We confirm that the above mentioned application has not been submitted to any other EC member state nor has any other member state granted a corresponding approval.

Sincerely




Mr. Wang Ping
Zhejiang Dahao Automotive Co., Ltd.



Information folder No. : DF-TRS008-00
 First application date : June 19, 2015

1. Specification data

| | | | | |
|----------------------------|-------------------------------------|---|---------------|--------------------|
| Type | | DF-TRS008 | | |
| Function | | Rear group lamp | | |
| | | Rear direction indicator lamp | Stop lamp | Rear position lamp |
| Color | | Amber | Red | Red |
| Rated | Voltage | 12V/ 24V | 12V/ 24V | 12V/ 24V |
| | Wattage | 1W | 1W | 2.2W |
| Application Regulation ECE | | R6.01 Cat. 2a | R7.02 Cat. S1 | R7.02 Cat. R1 |
| Location of marking | Number and category of light source | 6*LED | 6*LED | 17*LED |
| | | Non-replaceable light source | | |
| | | Marked on housing | | |
| | Trade mark |  | | |
| | | Marked on lens | | |
| Approval mark | Marked on lens | | | |

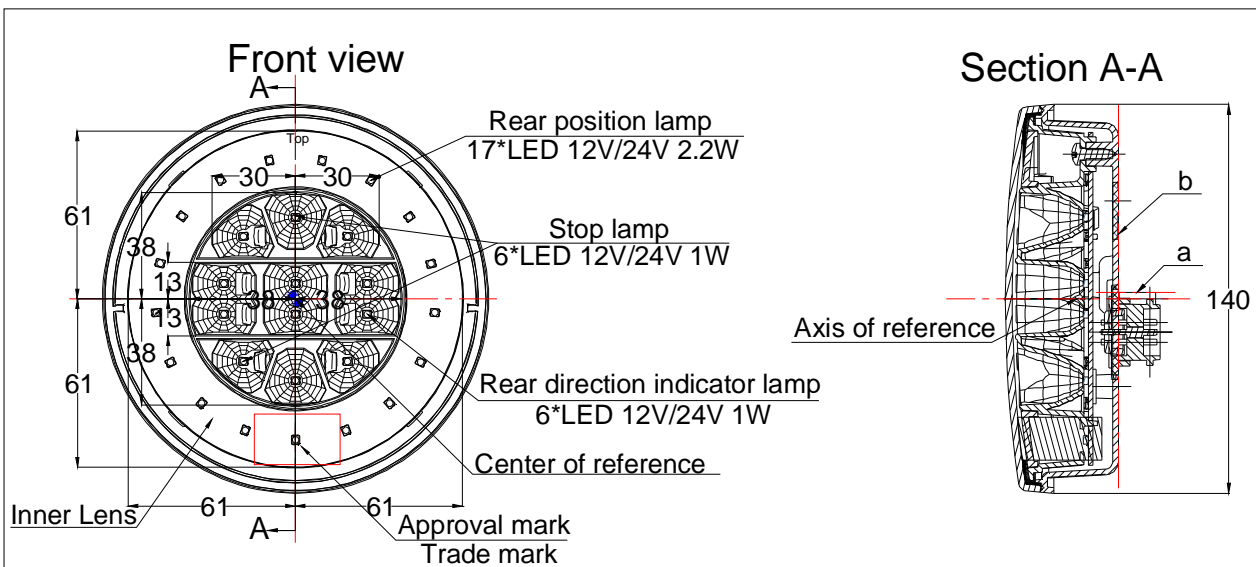
2. Construction and material

| Construction | Material | Remarks |
|-------------------|--------------------------------|---|
| Outside Lens | PMMA | Rear direction indicator lamp: Clear Rear position lamp and Stop lamp: Clear |
| Inner Lens | PC | Rear position lamp: Red |
| Reflector | ABS | Painting on the inside surface Color: Metal silver |
| Housing | ABS | -- |
| Electrical Wiring | Copper covered with insulation | -- |

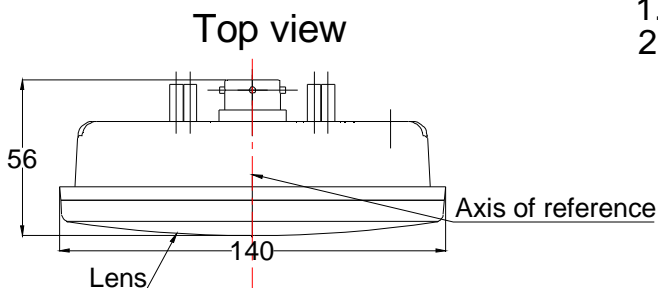
3. Name and address of manufacturer : Zhejiang Dahao Automotive Co., Ltd.
 Xiaotian Village, Duqiao Town, Linhai City,
 Taizhou City, Zhejiang Province, P.R. China 317000

4. Name and address of the manufacturer's representative : N/A





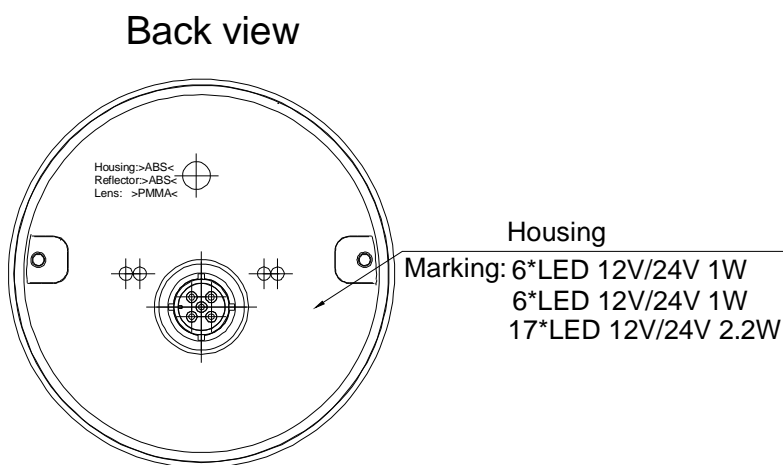
NOTE:
 1. "a": Horizontal Plane of Vehicle
 2. "b": Longitudinal Plane of Vehicle



Approval mark

R1 S1 2a a/3
 02 02 01 a/3

a a/2 (E4) a/3
 24274 a/3
 a=5mm min



| | |
|--------------------------|--------------|
| Product Type | DF-TRS008 |
| General assembly drawing | |
| Drawing No. | DF-TRS008-01 |

