

THE NETHERLANDS (NEDERLAND)





COMMUNICATION

Concerning (1):

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- approval withdrawn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

of a type of rear fog lamp for power-driven vehicles and their trailers pursuant to Regulation number 38.

Approval number: E4-38R-0024691 Extension number: 00

1. Trade name or mark of the device

BAFA

2. Manufacturer's name for the type of

device

: DF-TRS002-EU-A

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

Submitted for approval on

manufacturer's representative : Not applicable

: 14 December 2015

6. Technical service responsible for

conducting approval tests : TÜV SÜD Auto Service GmbH

Westendstraße 199 D-80686 München

7. Date of report issued by that service : 5 January 2016

8. Number of reports issued by that service: 15-00894-CX-SHA-00



5.

Approval number: E4-38R-0024691 Extension number: 00

9. Concise description

Number, category and kind of light

source(s) : Not applicable (Lamp consist of 8 LED's)

Voltage and wattage : 12V/24V and 4W

Light source module specific

identification code : Not applicable

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:

(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 Approval : granted/refused/extended/withdrawn (1)

13. Place : Zoetermeer

14. Date : 11 January 2016

15. Signature :

K.J. van Steensel

- 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-TRS002-EU-A-00, 6 pages dated 14 December 2015

Lamps-rear-fog R38-00 v4.00

⁽¹⁾ Strike out what does not apply.

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

December 14, 2015

Dear Sirs,

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

Function	ECE approval number
Rear retro-reflector	E4-3R-0224691
Rear direction indicator lamp	E4-6R-0124691
Rear position lamp	E4-7R-0224691
Stop lamp	E4-7R-0224691
Reversing lamp	E4-23R-0024691
Rear fog lamp	E4-38R-0024691

Trade name or mark	:	DAFA
Manufacturer's name for type of device	:	DF-TRS002-EU-A
		Zhejiang Dahao Automotive Co., Ltd.
Name and address of manufacturer	:	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.



First application date: December 14, 2015

1. Specification data

	Type	DF-			002-EU-A				
Function		Rear group lamp							
		Rear retro-refle ctor	Rear direction indicator lamp	Rear position lamp	Stop lamp	Reversing lamp	Rear fog lamp		
	Color	Red	Amber	Red	Red	White	Red		
Rated	Voltage		12V/24V	12V/24V	12V/24V	12V/24V	12V/24V		
Kateu	Wattage		1W	1.2W	2W	2.5W	4W		
Applicatio	Application Regulation ECE		R6.01	R7.02	R7.02	R23.00	R38.00		
Аррисанс	II Regulation ECE	Class IIIA	Cat. 2a	Cat. R1	Cat. S1	AR	Cat. F1		
	Number and		6*LED	10*LED	6*LED	10*LED	8*LED		
	category of		Non-replaceable light source						
T 4:	light source			Marked or	housing				
of	Trade mark	DAFA							
marking		Marked on lens							
	Approval mark		Marked on lens						
	Part No.		DF-TRS002-EU-B						

2. Construction and material

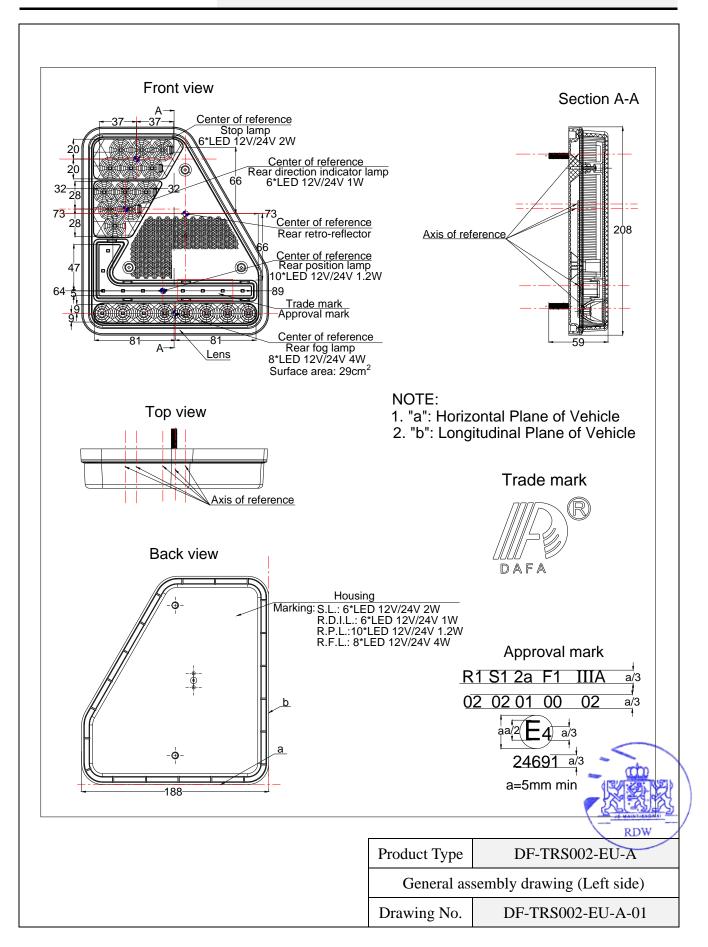
Construction	Material	Remarks
Lens	PMMA	Rear retro-reflector and Rear fog lamp: Red Rear direction indicator lamp: Amber Rear position lamp and Stop lamp: Red Reversing lamp: Clear
Inner lens	PMMA	Rear position lamp: Clear
Reflector	ABS	Painting on the inside surface Color: Metal silver
Housing	ABS	
Electrical Wiring	Copper covered with insulation	

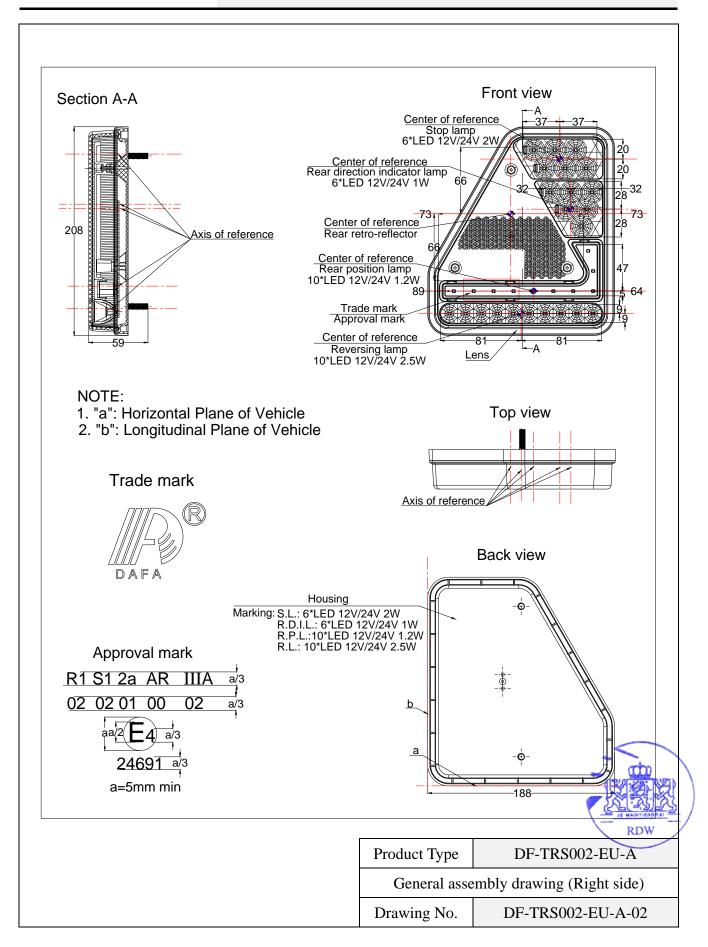
Zhejiang Dahao Automotive Co., Ltd.
3. Name and address of manufacturer : Xiaotian Village, Duqiao Town, Linhai City, Taizhou City, Zhejiang Province, P.R. China 317000

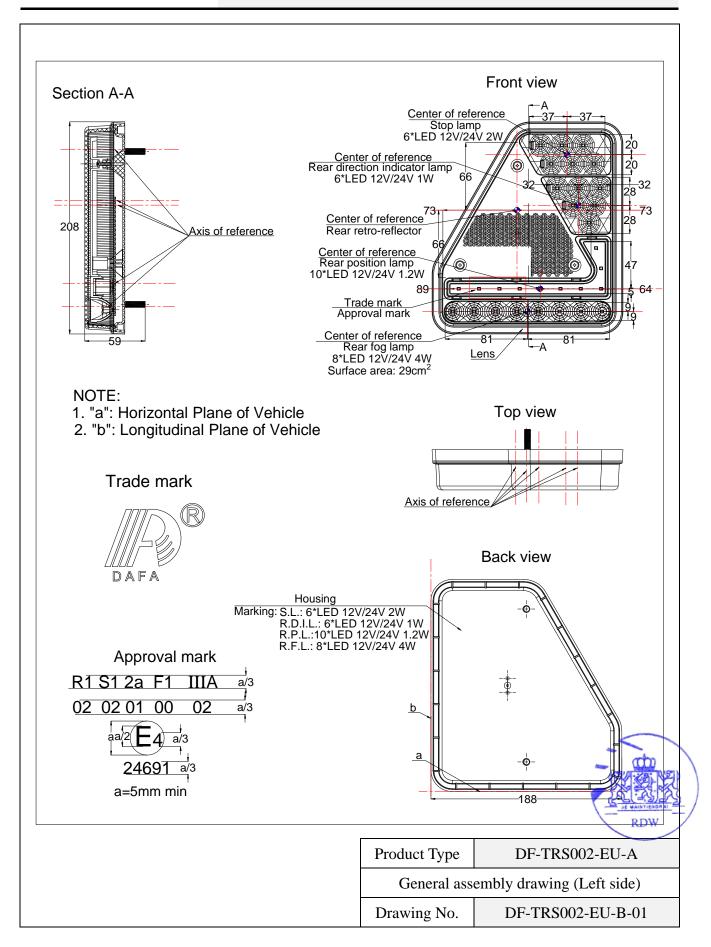
4. Name and address of the assembly: See 3. plant

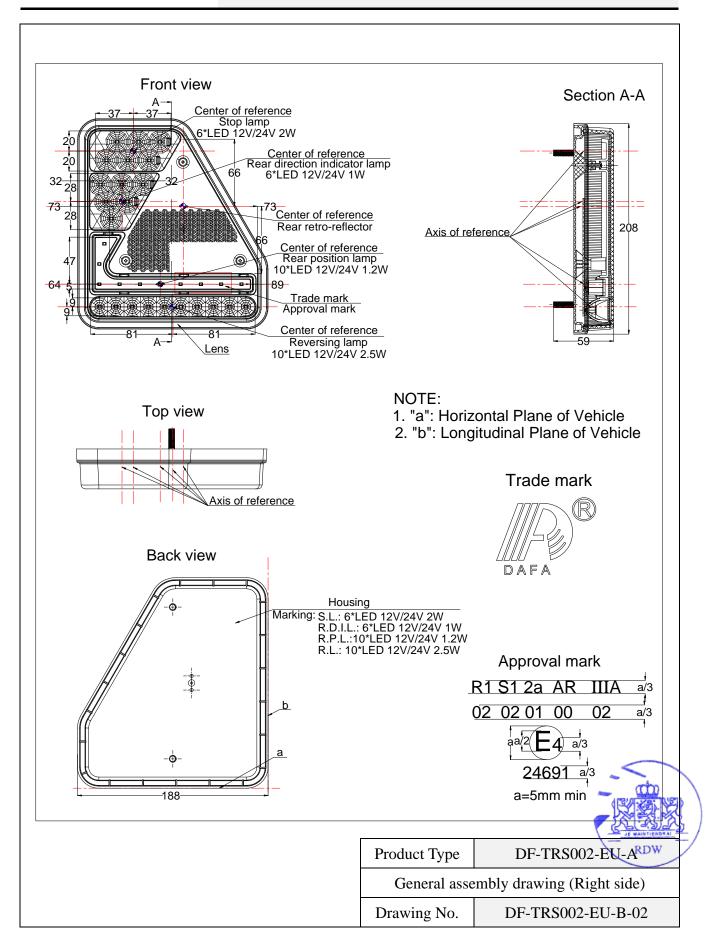
5. Name and address of the manufacturer's representative

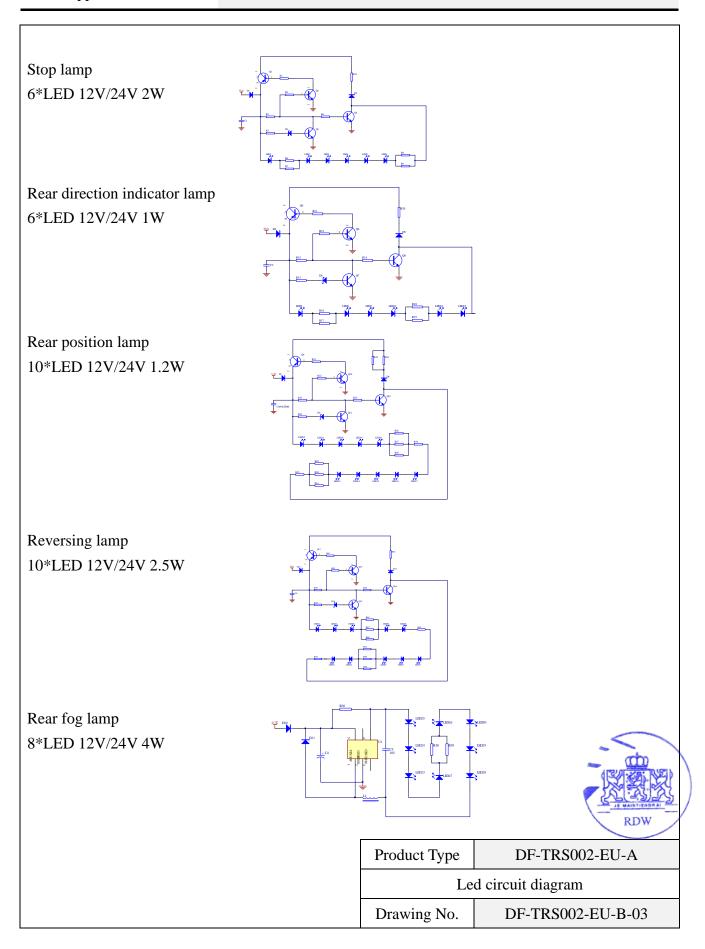














Manufacturer: Zhejiang Dahao Automotive Co., Ltd.

Type: DF-TRS002-EU-A Page 1 / 7

TECHNICAL REPORT

No.: 15-00894-CX-SHA-00

Test according to ECE regulation relating to

Rear fog lamp

ECE Regulation No. 38

Supplement 17 to the 00 series of amendments

Approvals granted up to now				
FCF	Number of approval	Date		
ECE				



Manufacturer: Zhejiang Dahao Automotive Co., Ltd.

Type: DF-TRS002-EU-A Page 2 / 7

I. <u>Technical description</u>

0.1. Make (trade name of manufacturer)

DAFA

0.2. Type : DF-TRS002-EU-A

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

Number, category and kind of light

source(s) : N/A (Lamp consist of 8 LEDs)

Voltage and wattage : 12V/24V and 4W

Light source module specific

identification code : N/A

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 : Yes/No

Being not part of the lamp : Yes/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 (when the light source control gear is part of the lamp but is not included into the lamp

body) : N/A

Variable luminous intensity : Yes/No



Manufacturer: Zhejiang Dahao Automotive Co., Ltd.

Type: DF-TRS002-EU-A Page 3 / 7

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. <u>Test record</u>

1. <u>Test conditions</u>

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.: 38.00.

1.3. Measuring and test equipment : The above equipments on which the tests

were carried out fulfilled the requirements

of ECE Regulation No.: 38.00.

1.4. Standard bulb : N/A

Luminous flux : N/A

2. <u>Test results</u>

2.1. General Specifications

Rear fog lamps have been designed and constructed that in normal use, despite the vibration to which they may then be subjected, they continue to function satisfactorily and retain the characteristics prescribed by this regulation.

No light source module or light generator is used.



Manufacturer: Zhejiang Dahao Automotive Co., Ltd.

Type: DF-TRS002-EU-A Page 4 / 7

2.2. The intensity of light emitted (Category F1)

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

No.	Doint of the management	Lim	its [cd]	Magaurad valuas [ad]	
INO.	Point of the measurement	Minimum Maximum		Measured values [cd]	
1	HV	150.00	300.00	278.92	

2.2.1.1. Sample No. 1, test voltage 13.499V, after 30 minutes of operation

No. Point of the measurement		Lim	its [cd]	Measured values [cd]	
INO.	No. Point of the measurement		Maximum	Minimum	Maximum
1	From H-10L to H-10R	150.00	300.00	163.42	280.73
2	From 5U-V to 5D-V	150.00	300.00	214.06	275.93
3	HV	150.00	300.00	274.02	
4	Rear Fog Zone	75.00	300.00	158.24	284.01
5	All Directions		300.00		279.31
6	Apparent surface		140 cm ²		29 cm ²

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.



Manufacturer: Zhejiang Dahao Automotive Co., Ltd.

Type: DF-TRS002-EU-A Page 5 / 7

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

No	Doint of the magazirement	Lim	its [cd]	Magazirad valuas [ad]	
No.	Point of the measurement	Minimum Maximum		Measured values [cd]	
1	HV	150.00	300.00	269.76	

2.2.2.1. Sample No. 2, test voltage 27.999V, after 30 minutes of operation

No. Point of the measurement		Limits [cd]		Measured values [cd]	
INO.	No. Point of the measurement		Maximum	Minimum	Maximum
1	From H-10L to H-10R	150.00	300.00	172.84	285.00
2	From 5U-V to 5D-V	150.00	300.00	189.20	277.74
3	HV	150.00	300.00	265.60	
4	Rear Fog Zone	75.00	300.00	150.71	287.18
5	All Directions		300.00		274.65
6	Apparent surface		140 cm ²		29 cm ²

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.



Manufacturer: Zhejiang Dahao Automotive Co., Ltd.

Type: DF-TRS002-EU-A Page 6 / 7

2.3. Heat resistance test

Requirement	Sample No. 1	Sample No. 2
	After the test, no distoured cracking or colour movices have passed the	odification, the de-

2.4. Colour - Red

Cample	Measured values		Limits		
Sample	Х	у	y ≤ 0.335	y ≥ 0.980 - x	
No. 1	0.6872	0.3087	Yes	Yes	
No. 2	0.6885	0.3077	Yes	Yes	

2.5. Apparent surface

Upper boundary	Down boundary	Inner boundary	Outer boundary
"U" (mm)	"D" (mm)	"I" (mm)	"O" (mm)
9	9	81	81

3. Specimen submitted to test on: 14.12.2015 (DD.MM.YYYY)

4. <u>Place of test:</u> Jiangsu Huacheng Vehicle Inspection Co.,

Ltd., Zhenjiang City, P.R. China

<u>Date of test:</u> 23.12.2015 (DD.MM.YYYY)

III. <u>Enclosures</u>

Manufacturer's information docu-

ment No.: DF-TRS002-EU-A-00

Dated on: 14.12.2015 (DD.MM.YYYY)



Manufacturer: Zhejiang Dahao Automotive Co., Ltd.

Type: DF-TRS002-EU-A Page 7 / 7

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".

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, 05.01.2016

(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 Authority of Ireland (NSAI)	Irland/ Ireland	Technical Service Number: 49	
Vehicle Safety Certification Center (VSCC)	Taiwan/ Taiwan	DE04-06-2	http://www.vscc.org.tw/English/Default.aspx