



RDW

Vehicle Technology Division

THE NETHERLANDS
(NEDERLAND)



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- ~~- approval withdrawn~~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-0161436


Extension number: 00

Approval mark:

01 2a



61436

1. Trade name or mark of the device : 
2. Manufacturer's name for the type of device : LTL1000A
3. Manufacturer's name and address : Shangyu Groupstar Electric Appliance Co., Ltd.,
Wufu Industrial Park, Shangyu City, Zhejiang
Province, People's Republic of China
4. If applicable, name and address of the manufacturer's representative : not applicable
5. Submitted for approval on : March 30, 2010
6. Technical service responsible for conducting approval tests : TÜV NORD Mobilität GmbH & Co. KG
Institut für Fahrzeugtechnik und Mobilität
Adlerstrasse 7, D-45307 Essen
7. Date of test report issued by that service : April 1, 2010



P.O. Box 777
2700 AT Zoetermeer
The Netherlands

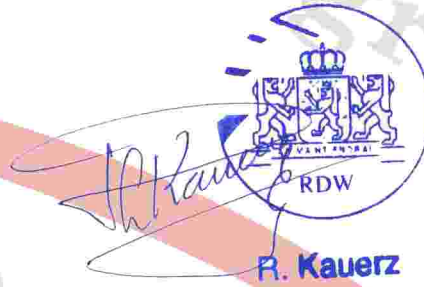
Tel. + 31 (0)79 345 81 43
Fax + 31 (0)79 345 80 43
www.rdw.nl

Vehicle Approval and Information

8. Number of test report issued by that service : KR006-A0-1030172
9. Concise description :
- Category : 1/1a/1b/2a/2b/3/4/5/6⁽¹⁾⁽²⁾
- Number, category and kind of light source(s) : 15LEDs, 12V 1.8W, non-replaceable light source
- Voltage and wattage : 12V 1.8W
- 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 : not applicable
- Application of an electronic light source control gear/variable intensity control : No
- (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 : 19-APR-2010



15. Signature



RDW
R. Kauertz


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.

⁽¹⁾ Strike out what does not apply.

⁽²⁾ For the direction indicator lamps of categories 1, 1a, 1b, 2a and 2b, information regarding the signal according to paragraph 6.4.2.

Application date : April 1, 2010

1. Specification data

Type		LTL1000A	
Function		Rear Direction Indicator	
Emitted color		Amber	
Rated	Voltage	12V(Input range 10V~30V)	
	Wattage	1.8W	
Applicable Regulation (ECE)		R6.01 Category 2a	
Number and category of filament lamp(light source)		15LEDs, Non-replaceable light source	
Location of marking	Rated Voltage and Wattage	Marked on Base	
	Trade mark		Marked on Lens
	Approval mark	Marked on Lens	
Special supply voltage		Not applicable	
Application of additional supply system		Yes / No	
Light source module		Yes / No	

2. Construction and material

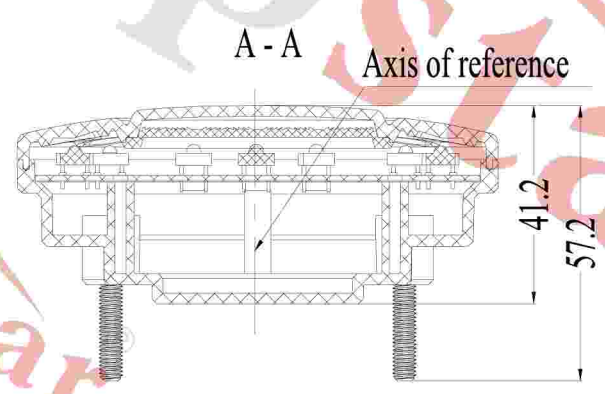
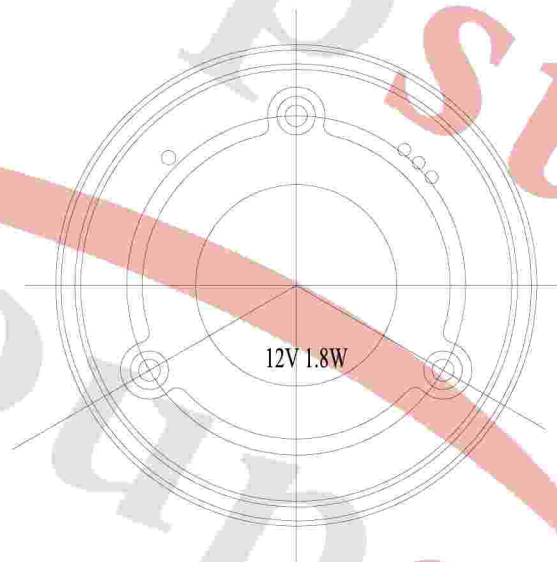
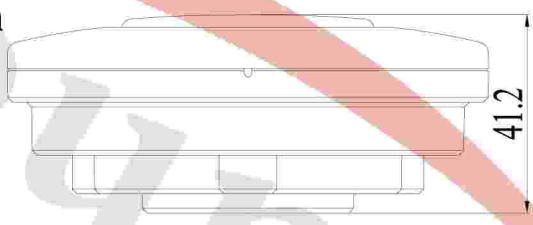
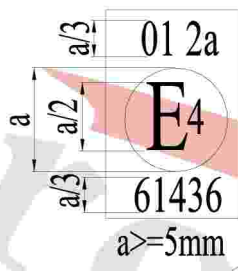
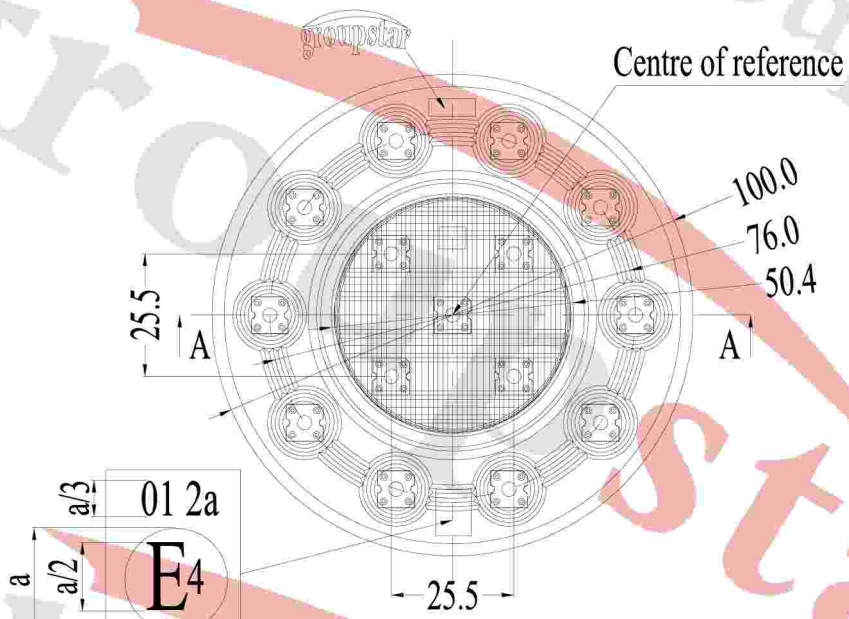
Construction	Material	Remarks
Outer lens	PC	Amber
Base	ABS	Black
Electrical wiring	Copper covered with insulation	-

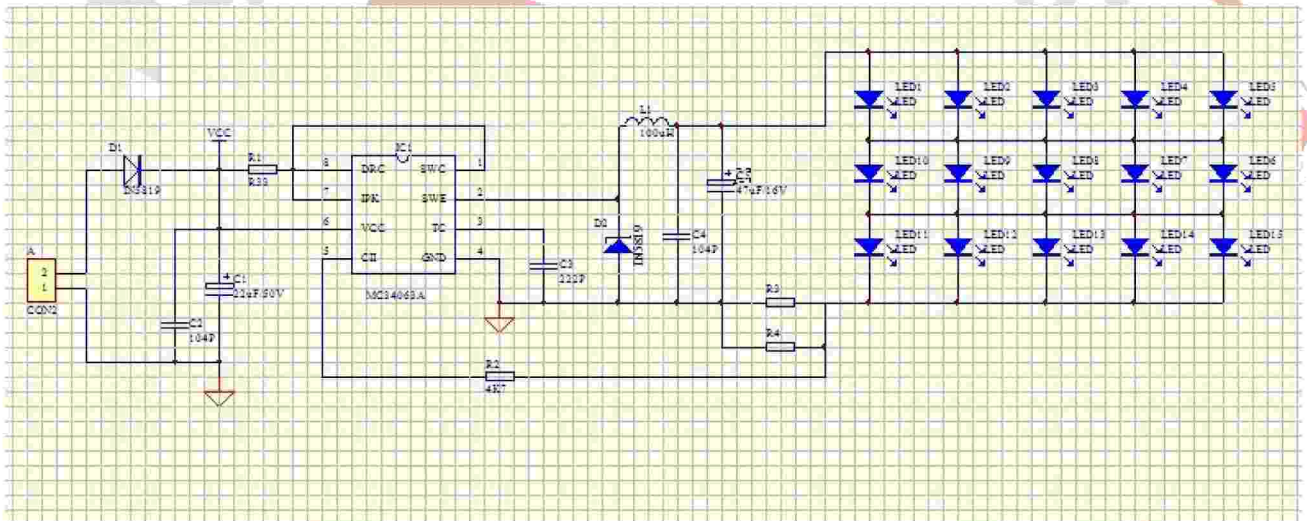
3. Name and address of manufacturer : Shangyu Groupstar Electric Appliance Co., Ltd.
Wufu Industrial Park, Shangyu City, Zhejiang Province, People's Republic of China

4. Name and address of representative of manufacturer : Not applicable

This information document consists of 3 pages.







12V 1.8W (Input range 10V~30V)

15LEDs, Non-replaceable light source



Typ / Type : LTL1000A

Hersteller / Manufacturer : Shangyu Groupstar Electric Appliance Co., Ltd.

Prüfbericht Test Report

Gemäß dem Übereinkommen über die Annahme Einheitlicher Technischer Vorschriften für Radfahrzeuge, Ausrüstungsgegenstände und Teile, die in Radfahrzeuge(n) eingebaut und/oder verwendet werden können, und die Bedingungen für die gegenseitige Anerkennung von Genehmigungen, die nach diesen Vorschriften erteilt wurden

Agreement concerning the adoption of uniform technical prescriptions for the wheeled vehicles, equipment and parts which can be fitted and/or be used on wheeled vehicles and the conditions for reciprocal recognition of approvals granted on the basis of these prescriptions

Uniform provisions concerning the approval of direction indicators for power-driven vehicles and their trailers

ECE-R6

zuletzt geändert

as last amended

01 series of amendment, Supplement 17

Genehmigungsstand <i>Approval status</i>	
Genehmigungsnummer <i>Number of approval</i>	
ECE	---

Structure of report :

1. Test object(s) and general test information
2. Test minutes
3. Remarks concerning tested object(s)
4. Appendices
5. Statement of conformity

Typ / Type : LTL1000A

Hersteller / Manufacturer : Shangyu Groupstar Electric Appliance Co., Ltd.

Test object(s) and general test information

1.1. Test object(s)

identification number : LTL1000A

version : ---

1.2. General test information

1.2.1. Order issued by : ---
(if different from manufacturer)

1.2.2. Test object / test vehicle received : not applicable
on

1.2.3. Test date : April 1, 2010

1.2.4. Test site : Shangyu Groupstar Electric Appliance Co., Ltd.
Zhejiang, China

1.2.5. Remark : The results of the test refer exclusively to the object(s)
mentioned under point 1.1 of this report.

Typ / Type : LTL1000A

Hersteller / Manufacturer : Shangyu Groupstar Electric Appliance Co., Ltd.

2. Test minutes

2.1. Test facilities : The test facilities are in compliance with the requirements of the Regulation.

2.2. Test results : The type has been examined according to the amendments mentioned in appendix 0.

An actual test of the type was not required. The results of the previous tests are still valid.

Markings : The trade mark is marked clearly legible and indelible on the lens.

The filament lamp type or rated voltage and wattage is clearly legible and indelible marked on the base of the lamp.

Space for the approval mark and for additional symbols is provided on the lens of the lamp.

2.3. General specifications : The lamps are designed and made that under normal use their satisfactory operation is ensured and they retain the required characteristics.

The colour of the light emitted is within the limits of the coordinates for amber prescribed in Annex 5 of the Regulation.

2.4. Photometric tests : The light emitted was obtained by means of an standard lamp of the category stated in Appendix L-9 or 13.5V/28V for non-replaceable light source, producing the required luminous flux.

The light distribution angles and levels of intensity have been measured in accordance with Annex 4 of the regulation, based on the manufacturer's indication of the centre of reference and axis of reference.

Typ / Type : LTL1000A

Hersteller / Manufacturer : Shangyu Groupstar Electric Appliance Co., Ltd.

Results of photometric tests of the **rear direction indicator; category 2a**

distribution of the intensity of the lamps [cd]								
horizontal angle		L20°	L10°	L5°	V	R5°	R10°	R20°
vertical angle	U10°	-	-	78.54	-	78.29	-	-
	U5°	47.95	70.63	-	123.80	-	69.57	31.21
sample 1	H	-	71.52	123.70	160.10	101.00	70.31	-
	D5°	39.03	71.21	-	121.60	-	68.75	26.41
	D10°	-	-	75.37	-	78.72	-	-
vertical angle	U10°	-	-	62.12	-	77.84	-	-
	U5°	24.74	61.21	-	93.87	-	86.73	42.05
sample 2	H	-	77.37	88.06	133.40	150.80	107.00	-
	D5°	23.87	78.86	-	106.90	-	83.80	44.71
	D10°	-	-	94.14	-	81.59	-	-

	sample 1	sample 2	allowable maximum	required minimum
maximum intensity [cd]	165.70	156.08	500	50
minimum intensity in the fields defined in annex 1 of the regulation [cd]	1.07	0.87	-	0.3

Typ / Type : LTL1000A

Hersteller / Manufacturer : Shangyu Groupstar Electric Appliance Co., Ltd.

Results of photometric tests of the **rear direction indicator; category 2a**

- one light-source failure

distribution of the intensity of the lamps [cd]									
horizontal angle		L20°	L10°	L5°	V	R5°	R10°	R20°	
vertical angle	U10°	-	-	101.80	-	103.30	-	-	
	U5°	40.06	72.67	-	141.70	-	77.94	42.22	
	sample 1	H	-	76.59	93.73	127.90	117.40	78.98	-
	D5°	34.40	75.80	-	106.70	-	78.62	38.15	
	D10°	-	-	72.61	-	66.90	-	-	
vertical angle	U10°	-	-	68.01	-	82.98	-	-	
	U5°	25.18	60.87	-	104.80	-	93.38	49.99	
	sample 2	H	-	63.65	78.47	118.50	152.70	94.38	-
	D5°	25.48	62.34	-	95.35	-	84.55	49.35	
	D10°	-	-	77.68	-	91.69	-	-	

	sample 1	sample 2	allowable maximum	required minimum
maximum intensity [cd]	146.66	158.04	500	50
minimum intensity in the fields defined in annex 1 of the regulation [cd]	1.07	0.86	-	0.3

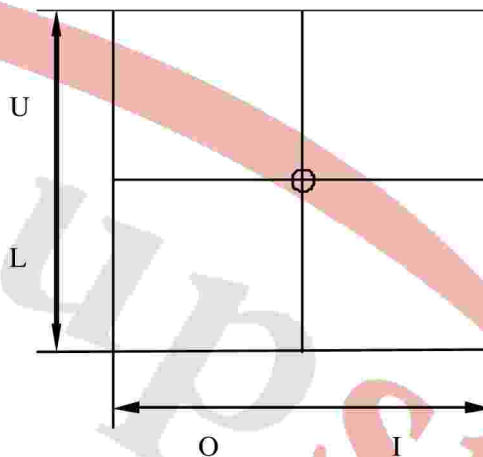
Typ / Type : LTL1000A

Hersteller / Manufacturer : Shangyu Groupstar Electric Appliance Co., Ltd.

2.5. Illuminating surface : Vertical and horizontal outlines of the illuminating surface of the light-signalling device in relation to the centre of reference.

Definition of the illuminating surface of the device

⊕ centre of reference



function	upper boundary (U) [mm]	lower boundary (L) [mm]	inner boundary (I) [mm]	outer boundary (O) [mm]
rear direction indicator	38	38	38	38

2.6. Explanatory note : This grouped lamp was examined according to following Regulation(s)

Typ / Type : LTL1000A

Hersteller / Manufacturer : Shangyu Groupstar Electric Appliance Co., Ltd.

3. Remark concerning tested object(s)

All versions of the lamps as stated in the information document are covered with the tested version(s) and test object(s) respectively.

4. Appendices

L Technical information about the lamp type according to Annex 2 for the communication of the ECE-type approval

0 List of modifications : not attached

1 Information folder no. : LTL1000A - 00

5. Statement of conformity

The information folder and the type described there comply with the requirements in the above mentioned directive/ regulation.

The test laboratory is accredited for the above mentioned tests by the RDW, Vehicle Technology and Information Centre, the Netherlands:

Certification Number: RDW-99050016

The technical report (including appendix L) consists of pages 1 to 8 and shall not be reproduced except in full without the written approval of the testing laboratory.

Essen, den April 1, 2010
IFM/#




Dipl.-Ing. K.-S. Kim

Typ / Type : LTL1000A

Hersteller / Manufacturer : Shangyu Groupstar Electric Appliance Co., Ltd.

**Technical information about the lamp type according to Annex 2
for the communication of the ECE-type approval**

Appendix L

1. Trade name or mark of the device : 
2. Manufacturer's name for the type of device : LTL1000A
3. Manufacturer's name and address : Shangyu Groupstar Electric Appliance Co., Ltd.,
Wufu Industrial Park, Shangyu City, Zhejiang
Province, People's Republic of China
4. If applicable, name and address of manufacturer's representative : not applicable
5. Submitted for approval on : March 30, 2010
7. Date of test report : April 1, 2010
9. Concise description ⁽²⁾ :
Category : 4/1a/1b/2a/2b/3/4/5/6 ⁽¹⁾⁽²⁾
Number, category and kind of light source(s) : 15LEDs, 12V 1.8W, non-replaceable light source
- Voltage and wattage : 12V 1.8W
- 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 : not applicable
- Application of an electronic light source control gear/variable intensity control : not applicable
- (a) being part of the lamp : yes/no ⁽¹⁾
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- Variable luminous intensity : yes/no ⁽¹⁾
10. Location of approval mark : on the lens
11. Reason(s) for extension : not applicable