

Shangyu Groupstar Electric Appliance Co., Ltd.

July 7, 2014

RDW 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 type approval according to:

Function	ECE approval number	EEC approval number
Front position lamp	E4-7R-028630	---

Trade name or trade mark : 

Manufacturer's name for type of device : LCL1101W

Name and address of manufacturer : Shangyu Groupstar Electric Appliance Co., Ltd.
Wufu Industrial Park, Shangyu City,
Zhejiang Province, P.R. China

We herewith declare that we have not applied and will not apply for approval with another Contracting Party of the ECE for the same type of product. Nor has any other member state granted a corresponding approval.

Sincerely

Signature:



.....
Name: Mr. Xie Xinmiao / General Manager





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- ~~approval withdrawn~~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 device pursuant to Regulation number 7.

Approval number: E4-7R-028630

Extension number:00

Approval mark:



- | | | | |
|----|--|---|--|
| 1. | Trade name or mark of the device | : | |
| 2. | Manufacturer's name for the type of device | : | LCL1101W |
| 3. | Manufacturer's name and address | : | Shangyu Groupstar Electric Appliance Co., Ltd.
Wufu Industrial Park, Shangyu City,
Zhejiang Province, P.R. China |
| 4. | If applicable, name and address of the manufacturer's representative | : | --- |
| 5. | Submitted for approval on | : | July 7, 2014 |
| 6. | Technical service responsible for conducting approval tests | : | TÜV Rheinland Kraftfahrt GmbH
Technologiezentrum Verkehrssicherheit
Am Grauen Stein
D-51105 Köln (Poll) |
| 7. | Date of report issued by that service | : | July 14, 2014 |
| 8. | Number of report issued by that service | : | 87-R7-674/14-00 |



9. Concise description
- 9.1 By category of lamp : Front position lamp, category A
- For mounting either outside or inside or both : outside / ~~inside/both~~ ⁽¹⁾
- Colour of light emitted : ~~red~~ /white⁽¹⁾
- Number and category(ies) of filament lamp(s) : 4 LEDs, non-replaceable light sources
- Voltage and wattage : 12V 0.3W
- 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⁾
- (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⁾
- 9.2 Function(s) produced by an interdependent lamp forming part of an interdependent lamp system
- Front position lamp : ~~yes~~/no ⁽¹⁾
- R1 Rear position lamp : ~~yes~~/no ⁽¹⁾
- R2 Rear position lamp : ~~yes~~/no ⁽¹⁾
- S1 Stop lamp : ~~yes~~/no ⁽¹⁾
- S2 Stop lamp : ~~yes~~/no ⁽¹⁾
- S3 Stop lamp : ~~yes~~/no ⁽¹⁾
- S4 Stop lamp : ~~yes~~/no ⁽¹⁾
- End-outline marker lamp : ~~yes~~/no ⁽¹⁾
10. Position of the approval mark : on the lens
11. Reason(s) for extension (if applicable) : ---
12. Approval : granted/~~extended/refused/withdrawn~~ ⁽¹⁾
13. Place : Zoetermeer



14. Date : 31-JUL-2014

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
-Test report

⁽¹⁾ Strike out what does not apply.

Application date : July 7, 2014

1. Specification data

Type		LCL1101W	
Function		Front position lamp	
Emitted color		White	
Rated	Voltage	12V (Input range: 10V – 30V)	
	Wattage	0.3W	
Applicable Regulation (ECE)		R7.02 Category A	
Number and category of filament lamp(light source)		4LEDs, Non-replaceable light source	
Location of marking	Rated Voltage and Wattage	Marked on Housing	
	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

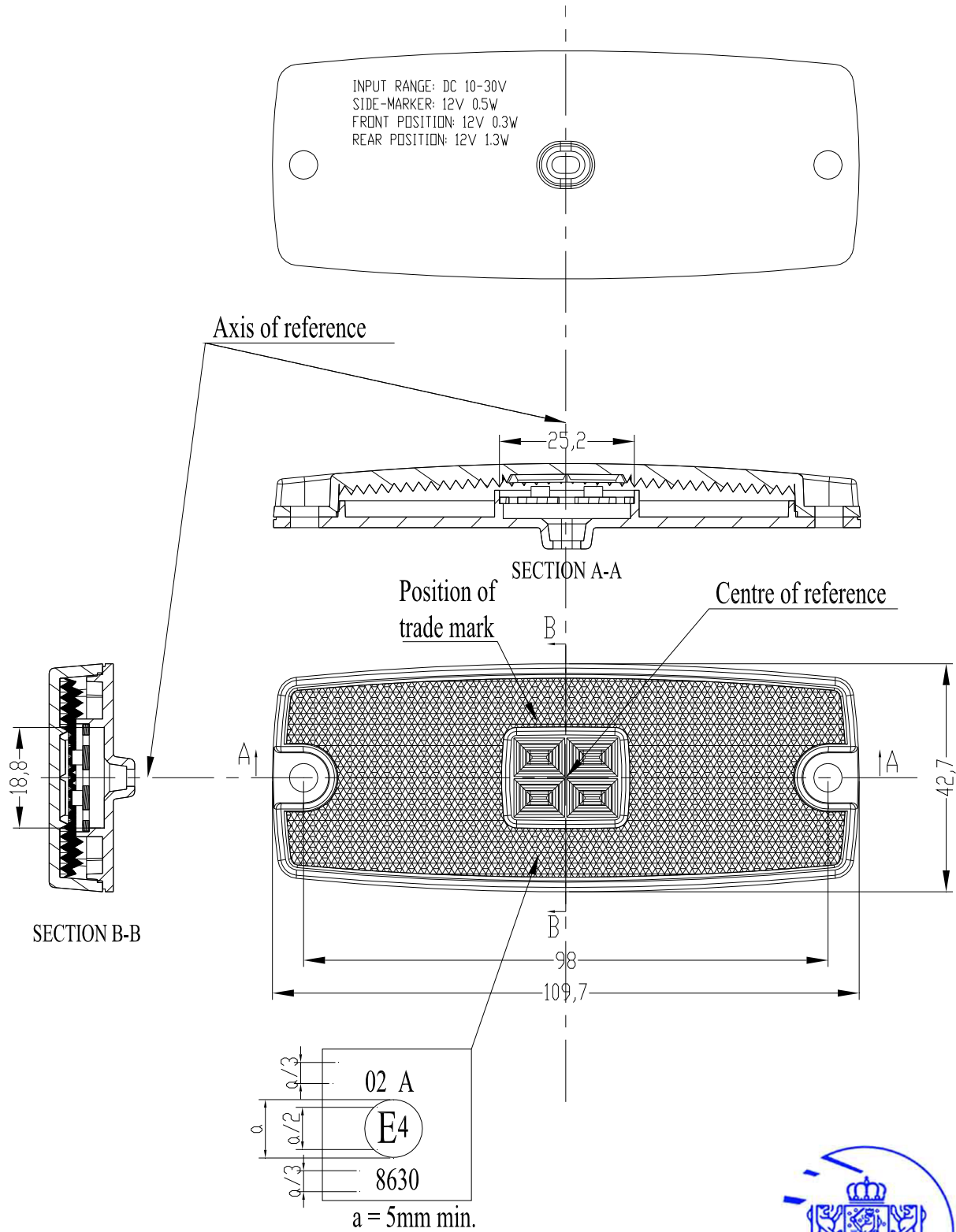
Construction	Material	Remarks
Outer lens	PC	Clear
Housing	ABS	White
Electrical wiring	Copper covered with insulation	---

3. Name and address of manufacturer : Shangyu Groupstar Electric Appliance Co., Ltd.
Wufu Industrial Park, Shangyu City,
Zhejiang Province, P.R. China

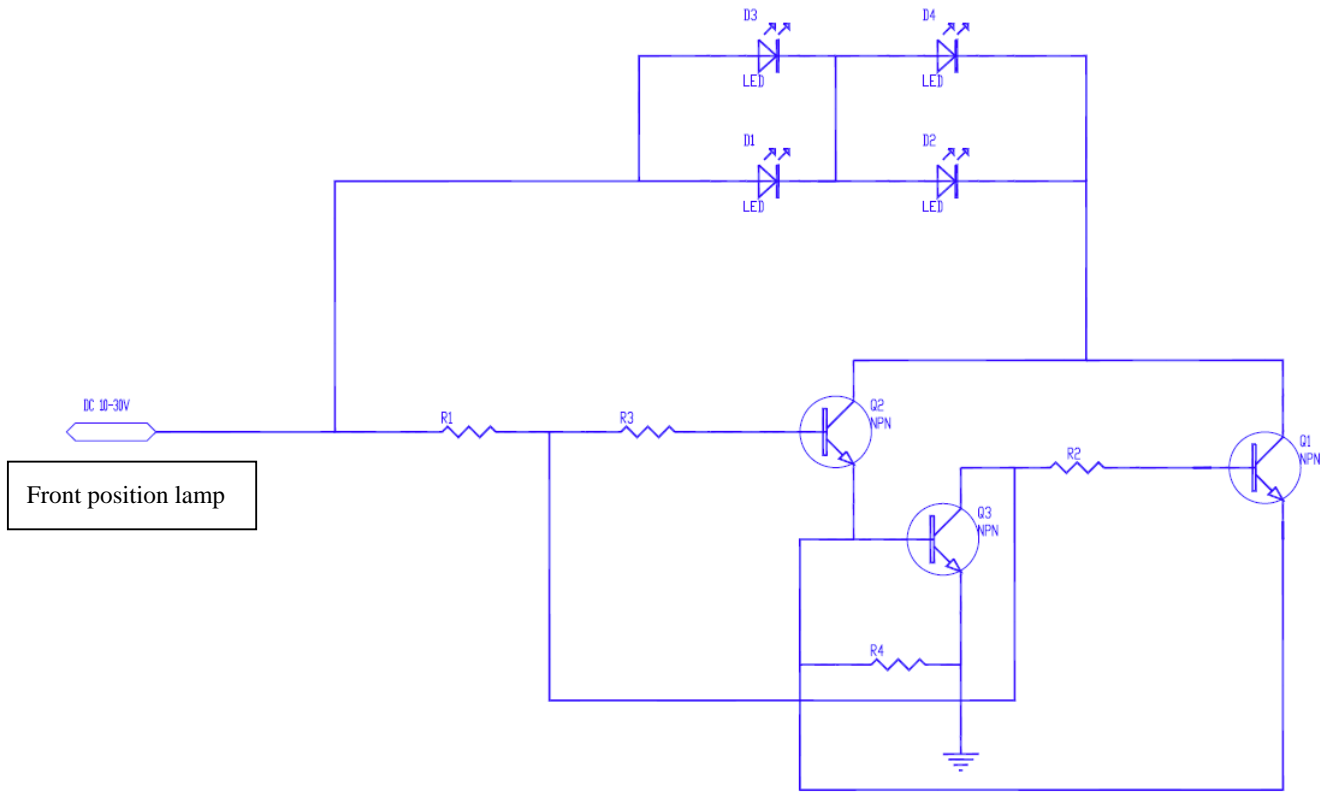
4. Name and address of representative of manufacturer : Not applicable

This information document consists of 3 pages.





CIRCUIT DIAGRAM



Front position lamp

4LEDs, 12V 0.3W, Non-replaceable light source



Manufacturer : Shangyu Groupstar Electric Appliance Co., Ltd.
Type : LCL1101W

TEST REPORT

according to ECE-Regulation

Uniform provisions concerning the approval of front and rear position (side) lamps, stop-lamps and end-outline marker lamps for power-driven vehicles and their trailers

ECE-R7

including all amendments until

**series of Amendments: 02
Supplement 22**

Previously granted
ECE - certificate : ---


Structure of report:

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



Manufacturer : Shangyu Groupstar Electric Appliance Co., Ltd.
Type : LCL1101W

0. General information

- 0.1. Trademark or trade name of the lamp : 
- 0.2. Manufacturer's name for the type of the lamp : LCL1101W
- 0.3. Name and address of the manufacturer : Shangyu Groupstar Electric Appliance Co., Ltd.
Wufu Industrial Park, Shangyu City,
Zhejiang Province, P.R. China
- 0.4. Name and address of manufacturer's authorized representative : not applicable
- 0.5. No. of information folder : LCL1101W-00
date of issue : July 7, 2014
date of last amendment : ---

1. Test object(s) and general test information

- 1.1. Test object(s)
 - identification number : ---
 - version : ---
 - Remark : Light source: Non-replaceable light sources, 4 LEDs
- 1.2. General test information
 - 1.2.1. Order issued by (if different from manufacturer) : ---
 - 1.2.2. Test object / test vehicle received on : not applicable
 - 1.2.3. Test date : July 8, 2014
 - 1.2.4. Test site : Automotive Component Testing Center of Ningbo
No. 99, Jingu South Road, Yinzhou Investment & Business Incubation, 315104, Ningbo,
P.R. China
 - 1.2.5. Remark : The results of the test refer exclusively to the object(s) mentioned under point 1.1 of this report.



Manufacturer : Shangyu Groupstar Electric Appliance Co., Ltd.
 Type : LCL1101W

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 O.~~

~~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 ~~and on the housing~~ of the lamp.

The rated voltage and wattage is clearly legible and indelible marked ~~on the lens and~~ on the housing of the lamp.

Space for the approval mark and for additional symbols is provided on the lens (the lens can not be separated from the housing).

- 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 WHITE as prescribed in Annex 5 of the Regulation.

- 2.4. Photometric tests : The light intensity was measured after 1 minute burning period and after 30 minutes burning in reference axis. The distribution of the light intensity after 1 minute burning period was calculated using the ratio of the two described measurements. The light intensity and its distribution are in compliance with the requirement after 1 minute burning period and after 30 minutes burning period.

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.

The front position lamp containing more than one light source, comply with the minimum intensity required when any one light source has failed.



Manufacturer : Shangyu Groupstar Electric Appliance Co., Ltd.
 Type : LCL1101W

Results of photometric tests of the **front position lamp, category A**

measured after **1 minute** burning period when all light sources lit

	light intensity of the lamps in reference axis [cd]	allowable maximum	required minimum
sample no. 1	5.390	140	4
sample no. 2	5.641	140	4

measured after **30 minutes** burning period when all light sources lit

distribution of the intensity of the lamps in [cd]								
horizontal angle		L20°	L10°	L5°	V	R5°	R10°	R20°
vertical angle required minimum intensity	U10°	-	-	0.8	-	0.8	-	-
	U5°	0.4	0.8	-	2.8	-	0.8	0.4
	H	-	1.4	3.6	4	3.6	1.4	-
	D5°	0.4	0.8	-	2.8	-	0.8	0.4
	D10°	-	-	0.8	-	0.8	-	-
vertical angle sample no. 1	U10°	-	-	5.171	-	5.188	-	-
	U5°	4.497	5.079	-	5.252	-	5.049	4.461
	H	-	5.121	5.241	5.251	5.201	5.094	-
	D5°	4.471	5.040	-	5.191	-	5.005	4.470
	D10°	-	-	4.979	-	4.972	-	-
vertical angle sample no. 2	U10°	-	-	5.154	-	5.209	-	-
	U5°	4.510	5.113	-	5.374	-	5.237	4.551
	H	-	5.260	5.422	5.474	5.463	5.383	-
	D5°	4.658	5.211	-	5.470	-	5.322	4.690
	D10°	-	-	5.240	-	5.333	-	-

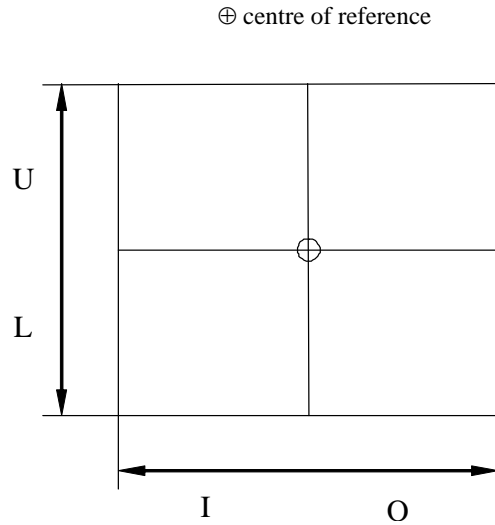
	sample no. 1	sample no. 2	allowable maximum	required minimum
maximum intensity [cd]	5.287	5.491	140	4
minimum intensity in the fields defined in Annex 1 of the Regulation [cd]	0.224	0.236		0.05



Manufacturer : Shangyu Groupstar Electric Appliance Co., Ltd.
 Type : LCL1101W

2.5. Illuminating surface : Vertical and horizontal outlines of the illuminating surface of the light-signalling device in relation to the centre of reference and in accordance with Annex 3 of the Regulation No. 48

Definition of the illuminating surface of the device



function	upper boundary (U) [mm]	lower boundary (L) [mm]	inner boundary (I) [mm]	outer boundary (O) [mm]
Front position	9	9	12	12

2.6. Explanatory note : Not applicable



Manufacturer : Shangyu Groupstar Electric Appliance Co., Ltd.
Type : LCL1101W

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

- 0 List of modifications
- 1 Information folder no. : LCL1101W-00

5. Statement of conformity

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

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

Designation Number: RDW-99050014-06

The test report comprises the pages 1 to 7 and shall not be reproduced except in full without the written approval of the test laboratory.

Engineering Centre Shanghai, July 14, 2014
HH



Heng Huang
Expert Technical Service



Manufacturer : Shangyu Groupstar Electric Appliance Co., Ltd.
Type : LCL1101W

List of modifications

Appendix 0

Correction of : ---

Modification of : ---

Addition of : ---

Deletion of : ---

