

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- ~~approval withdrawn~~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 6.

Approval number: E4*6R01/29*62548*00

1. Trade name or mark of the device : **Vinstar® & AILEAD®**
2. Manufacturer's name for the type of device : V-170740
3. Manufacturer's name and address : Shenzhen Vinstar Photoelectricity Co., Ltd.
8F, 2Block, Haitianlanyu Industrial Park, 5# 2nd Shilong
Industrial Road, Shiyan Town, Bao'an District, Shenzhen
518108 China (PRC)
4. If applicable, name and address of the
manufacturer's representative : ---
5. Submitted for approval on : December 3, 2018
6. Technical service responsible for conducting
approval tests : TÜV Rheinland Kraftfahrt GmbH
Technologiezentrum Verkehrssicherheit
Am Grauen Stein
D-51105 Köln (Poll)
7. Date of test report issued by that service : May 08, 2019
8. Number of test report issued by that service : 87-R6-755/19-00
9. Concise description
Category : ~~1, 1a, 1b, 2a, 2b, 5, 6~~⁽²⁾
Number, category : 24 LEDs, non-replaceable light source
Function(s) produced by an interdependent
lamp forming part of an interdependent lamps
system : not applicable
Voltage and wattage : 12V, 3.3W

Approval number: E4*6R01/29*62548*00

- 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 : refer to the information folder for more details
- 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⁾
- Sequential activation of light sources (see paragraph 5.6. of this Regulation) : ~~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 Approval : granted/~~extended/refused/withdrawn~~ ⁽¹⁾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 : 24 May 2019
15. Signature :




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.

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

Application date : December 3, 2018

1. Specification data

Type	V-170740	
Part Number	V-170741; V-170742; V-170743; V-170744; V-170745; V-170746; V-170747; V-170748; V-170749; V-170750; V-170751; V-170752; V-170753; V-170754; V-170755; Ford Escape; Ecosport; Kuga	
Function	Side Direction Indicator	
Emitted colour	Amber	
Rated	Voltage	12V
	Wattage	3.3W
Applicable Regulation (UN)	R6.01 Category 5	
Number and category of filament lamp(light source)	24 LEDs, Non-replaceable light source	
Location of marking	Rated voltage	Marked on Housing
	Trade mark	 Marked on Lens
	Approval mark	Marked on Lens

2. Construction and material

Construction	Material	Remarks
Outer Lens	PC	Smoky Gray
Reflector	PCB Plate	Yellow
Housing	ABS+PC	-
Electrical wiring	Copper covered with insulation	-

3. Name and address of manufacturer : Shenzhen Vinstar Photoelectricity Co., Ltd.
8F, 2Block, Haitianlanyu Industrial Park, 5# 2nd Shilong Industrial Road,
Shiyan Town, Bao'an District, Shenzhen 518108 China (PRC)

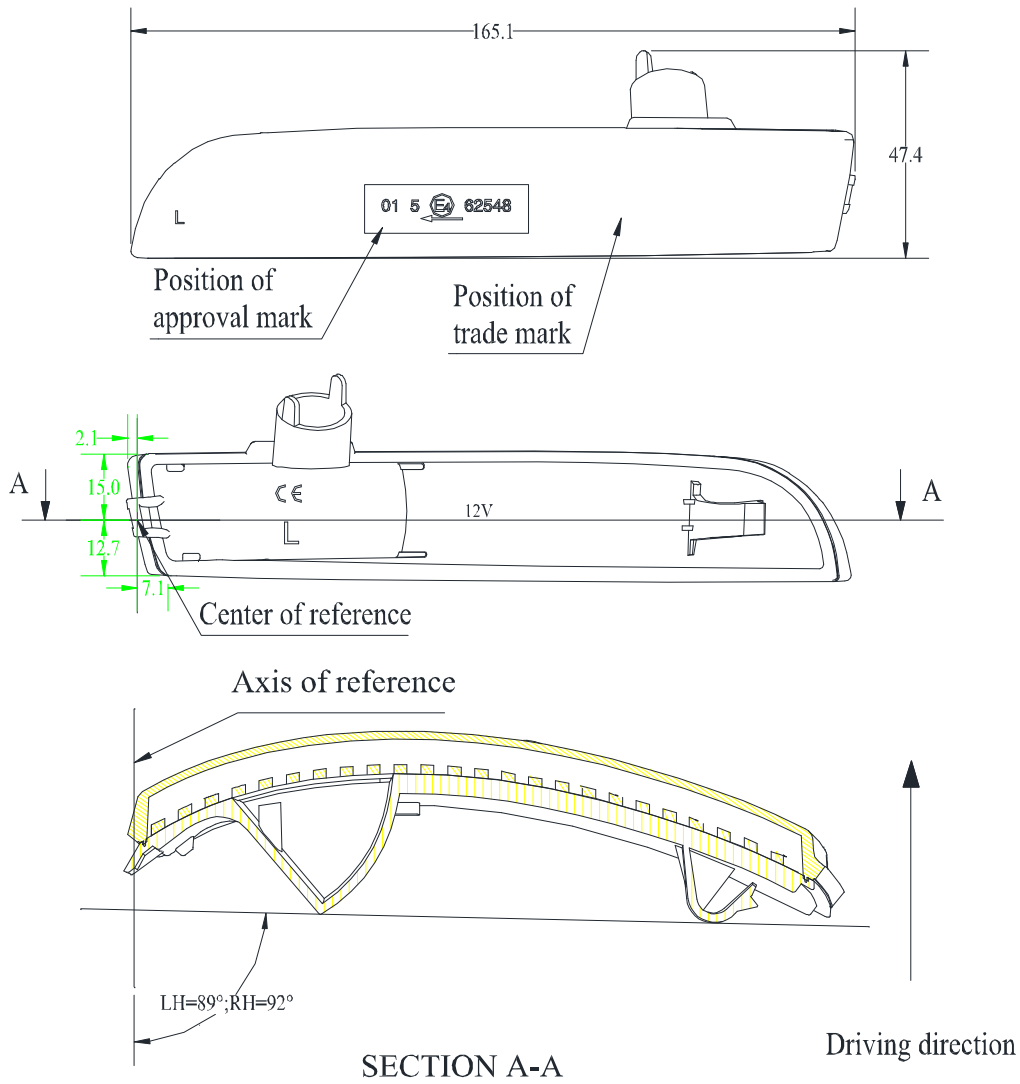
4. Name and address of representative : Not applicable
of manufacturer

This information document consists of 3 pages.

Note: The lamp can't be sequential activate.

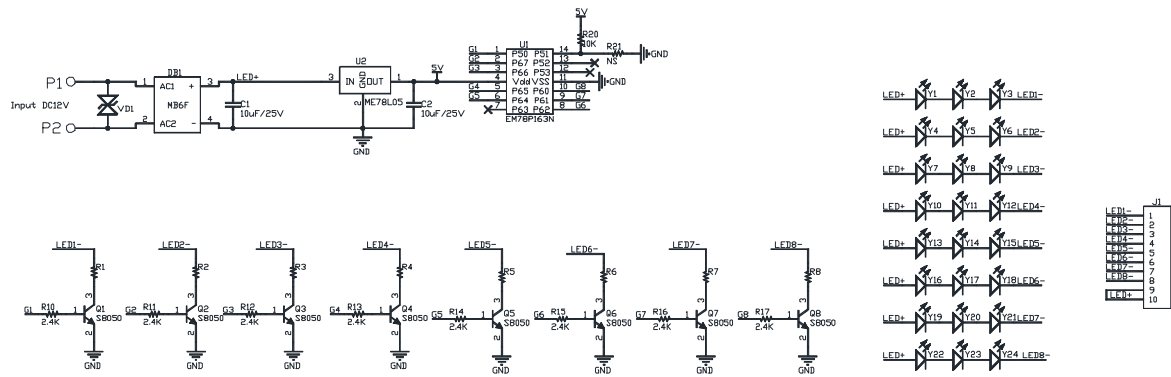


NOTE: THIS DRAWING SHALL BE APPLIED FOR ONLY LEFT HAND AND RIGHT HAND SHALL BE SYMMETRIC EXCEPT FOR MARKINGS.



Approval mark	
<p>$a \geq 5\text{mm}$</p>	<p>$a \geq 5\text{mm}$</p>
LEFT SIDE DEVICE	RIGHT SIDE DEVICE

CIRCUIT DIAGRAM



Side Direction Indicator: 12V 3.3W

24 LEDs, Non-replaceable light source



Manufacturer : Shenzhen Vinstar Photoelectricity Co., Ltd.
Type : V-170740



TEST REPORT

according to UN-Regulation

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

UN Regulation No.6

including all amendments until

**series of Amendments: 01
Supplement 29**

Approval status
UN - Approval : ---

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

The Test Report shall be reproduced and published in full by the client only. It shall however be reproduced partially with the written permission of the Testing Laboratory only.



Manufacturer : Shenzhen Vinstar Photoelectricity Co., Ltd.
 Type : V-170740

0. General information

- 0.1. Trademark or trade name of the lamp : **Vinstar® & AILEAD®**
- 0.2. Manufacturer's name for the type of the lamp : V-170740
- 0.3. Name and address of the manufacturer : Shenzhen Vinstar Photoelectricity Co., Ltd.
 8F, 2Block, Haitianlanyu Industrial Park, 5# 2nd Shilong Industrial Road, Shiyan Town, Bao'an District, Shenzhen 518108 China (PRC)
- 0.4. Name and address of manufacturer's authorized representative : ---
- 0.5. No. of information folder : V-170740-00
 date of issue : December 3, 2018
 date of last amendment : ---

1. Test object(s) and general test information

- 1.1. Test object(s)
 - 1.1.1. ~~Vehicle~~ / object
 - Commercial description : Not Applicable
 - Type(s) /variant(s) /version(s) : V-170740
 - Remark : 24 LEDs 12V 3.3W, non-replaceable light source
 - 1.1.2. Condition of ~~vehicle(s)~~ / Object(s) : new, ~~used~~, ~~pretested~~
- 1.2. Worst case selection : The determination of the worst case was done according to internal procedures of the Technical Service (QMA 1.301.005, section 6.2.2.2.).
 - 1.2.1. Test date : May 06, 2019
 - 1.2.2. Test site : Automotive Component Testing Center of Ningbo No. 99, Jingu South Road, Yinzhou Investment & Business Incubation, 315104, Ningbo, P.R. China
 - 1.2.3. Remark : The results of the test refer exclusively to the object(s) mentioned under point 1.1 of this report.



Manufacturer : Shenzhen Vinstar Photoelectricity Co., Ltd.
 Type : V-170740

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

 The rated voltage 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 AMBER as prescribed in Para.8 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.



Manufacturer : Shenzhen Vinstar Photoelectricity Co., Ltd.
 Type : V-170740

Results of photometric tests of the **side direction indicator, category 5** (tested with 13.5V)

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

	sample no. 1	sample no. 2	allowable maximum	required minimum
maximum intensity in the fields defined in annex 1 of the regulation [cd]	4.294	4.873	280	---
minimum intensity in the fields defined in annex 1 of the regulation [cd]	0.804	0.890	---	0.6

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

	sample no. 1	sample no. 2	allowable maximum	required minimum
maximum intensity in the fields defined in annex 1 of the regulation [cd]	4.081	4.635	280	---
minimum intensity in the fields defined in annex 1 of the regulation [cd]	0.764	0.847	---	0.6

2.5. Colour test

: The CIE trichromatic coordinates of the light emitted by lamp are within the limits for amber prescribed in the paragraph 2.29. of the Regulation No.48.

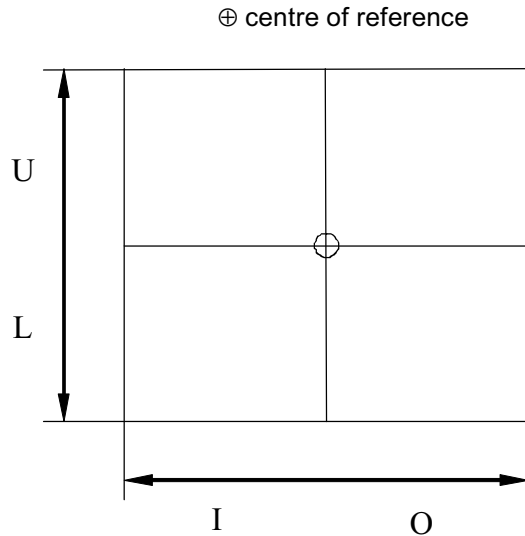
Chromatic coordinates	Reference axis	
	sample no. 1	sample no. 2
x	0.5528	0.5513
y	0.4277	0.4288



Manufacturer : Shenzhen Vinstar Photoelectricity Co., Ltd.
 Type : V-170740

2.6. 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]
Side direction Indicator	14	12	6.5	2

2.7. Explanatory note : Not applicable



Manufacturer : Shenzhen Vinstar Photoelectricity Co., Ltd.
Type : V-170740

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

Information folder no. : V-170740-00


5. Statement of conformity

The in point 0.5. mentioned information folder and the type described in that comply with the requirements mentioned on page 1.

With regard to the required level of performance to be achieved, the tested items were representative for the type to be approved (see point 1.2).

The mentioned test results refer to the vehicle(s)/object(s) described under point 1.1. of this report.

Engineering Centre Shanghai, May 08, 2019
EY/TY



Emma Yu
Expert Technical Service



Manufacturer : Shenzhen Vinstar Photoelectricity Co., Ltd.
Type : V-170740

List of modifications

Appendix 0

Correction of : ---

Modification of : ---

Addition of : ---

Deletion of : ---

