

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- ~~approval withdrawn~~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 front fog lamp pursuant to Regulation number 19.

Approval Number: E4*19R04/01*190561*01

1. Trade name or mark of the device : 
2. Type of the device : WJ30-0079E
3. Manufacturer's name for the type of device : WJ30-0079E
4. Manufacturer's name and address : WINJET BRIGHT AUTO LIGHTING CO., LTD.
No.2, 3rd Street, New Technological Industrial Zone Xingtang
Town, Shunde District, 523825 Foshan City, Guangdong
Province, China(PROC)
5. If applicable, name and address of the
manufacturer's representative : ---
6. Submitted for approval on : November 08, 2017
March 27, 2019
7. Technical service responsible for conducting
approval tests : TÜV Rheinland Kraftfahrt GmbH
Technologiezentrum Verkehrssicherheit
Am Grauen Stein,
D-51105 Köln (Poll)
8. Date of report issued by that service : May 24, 2018
April 02, 2019
9. Number of report issued by that service : 87-R19-715/18-00
87-R19-666/19-00
10. Consize description
- 10.1 Class as described by the relevant marking : B, ~~B/~~, ~~BPL~~, ~~B/PL~~, ~~F3~~, ~~F3/~~, ~~F3PL~~, ~~F3/PL~~
- 10.2 Number and category(ies) of filament lamp(s) : One H1, filament lamp type
- 10.3 LED module : ~~yes~~ / no⁽¹⁾



Approval Number: E4*19R04/01*190561*01

- And for each LED module a statement whether : ~~yes~~ / ~~no~~⁽¹⁾
it is replaceable or not
- 10.4 LED module or light generator specific : not applicable
identification code
- 10.5 Application of electronic light source control : ~~yes~~ / ~~no~~⁽¹⁾⁽²⁾
gear
- Supply to the light source : not applicable
- Specification of the light source control gear : not applicable
- Input voltage⁽³⁾ : not applicable
- In the case of an electronic light source control : not applicable
gear not being part of the lamp
- Output signal specification : not applicable
- 10.6 Colour of light emitted : ~~white~~ / selective yellow⁽¹⁾
- 10.7 Luminous flux of the light source (see : ~~yes~~ / ~~no~~⁽¹⁾
paragraph 5.9.) greater than 2,000 lumen
- 10.9 Luminous intensity is variable : ~~yes~~ / ~~no~~⁽¹⁾
- 10.9 The determination of the cut-off gradient was : ~~10m~~ / ~~25m~~⁽¹⁾
carried out at (if measured)
11. Position of approval mark : on the lens
12. Reason(s) for extension (if applicable) : 1). Addition of new variant with selective yellow lens
13. Approval : ~~granted~~ / extended / ~~refused~~ / ~~withdrawn~~⁽¹⁾
14. Place : Zoetermeer
15. Date : 15 April 2019
16. Signature :
- 

Uwe Löbig
17. The list of documents deposited with the Administrative Service which has granted approval is annexed to this communication and may be obtained upon request.
- Information document
 - Test report

(1) Strike out what does not apply.

(2) The voltage specifications shall include the tolerances or voltage range as specified by the manufacturer and verified by this approval.

(3) The parameters of the input voltage including duty cycle, frequency, pulse shape and peak voltage shall be included

Note: This class B front lamp is intended as replacements for fitting to vehicles in use before July 26, 2012

Application date : March 27, 2019

Reason of extension : 1) Addition of new variant with selective yellow lens

1. Specification data

Type	WJ30-0079E	
Variants	Variant 1: WJ30-0079E with clear out lens Variant 2: WJ30-0079E-11 with smoky gray out lens <u>Variant 3: WJ30-0079E-12 with selective yellow out lens</u>	
Function	Front Fog Lamp	
Emitted colour	White or <u>Selective Yellow</u>	
Rated	Voltage	12V
	Wattage	55W
Applicable Regulation (UN)	R19.04 Category B ⁽¹⁾	
Number and category of filament lamp(light source)	One, H1	
Location of marking	Filament lamp category	Marked on Housing
	Trade mark	 Marked on Lens
	Approval mark	Marked on Lens

2. Construction and material

Construction	Material	Remarks
Outer lens	Glass	Variant 1: Clear/ Textured
		Variant 2: Smoky gray/ Textured
		<u>Variant 3: Selective yellow/ Textured</u>
Inner shield	Iron	Aluminum coating
Reflector/ Housing 1	Iron	Aluminum coating
Housing 2	PBT+TD20	Black
Electrical wiring	Copper covered with insulation	--

3. Name and address of manufacturer : WINJET BRIGHT AUTO LIGHTING CO., LTD.
No.2, 3rd Street, New Technological Industrial Zone
Xingtang Town, Shunde District, 523825 Foshan City,
Guangdong Province, China(PROC)

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

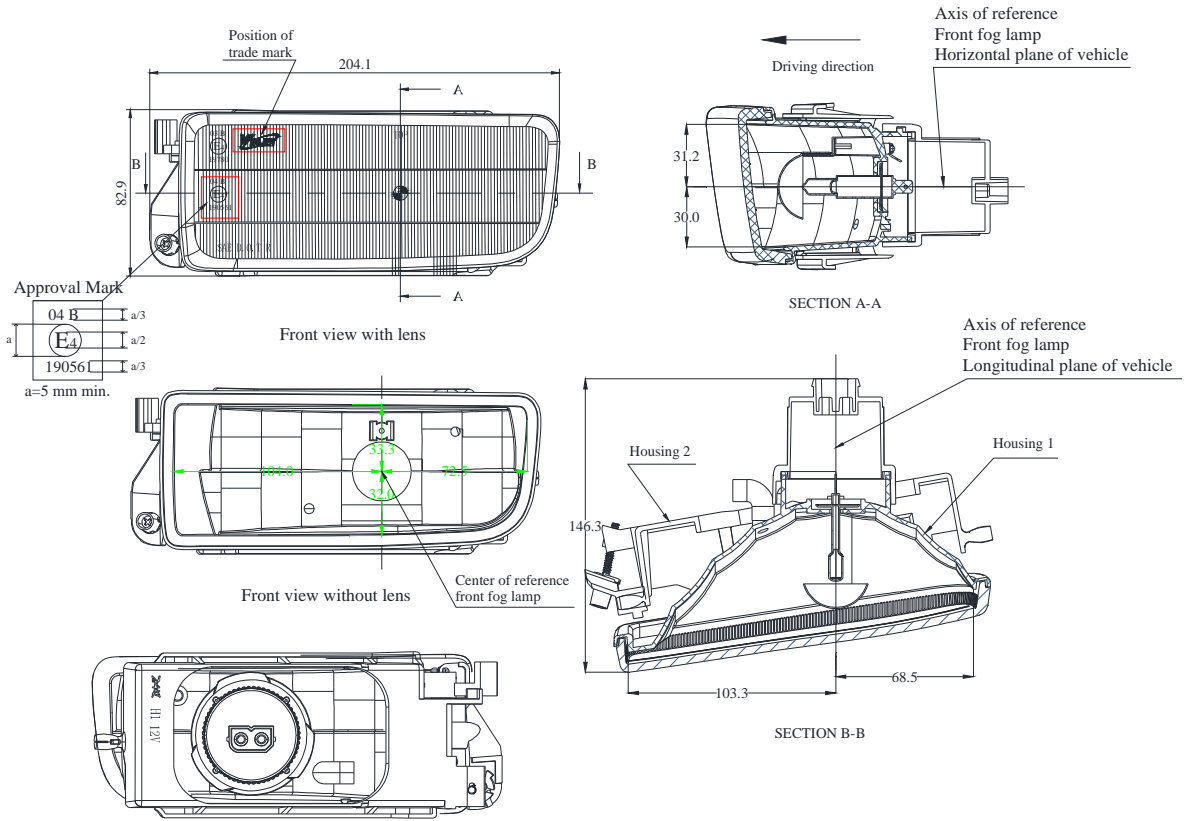
This information document consists of 2 pages.

Note: ⁽¹⁾This class B front lamp is intended as replacements for fitting to vehicles in use before 26 July, 2012.

Remark: The adjustment system is provided by a device where the lamp is fitted to.



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



Manufacturer : WINJET BRIGHT AUTO LIGHTING CO., LTD.
 Type : WJ30-0079E

TEST REPORT

according to UN-Regulation

UNIFORM PROVISIONS CONCERNING THE APPROVAL OF POWER-DRIVEN VEHICLE FRONT FOG LAMPS

UN-Regulation No.19

including all amendments until

**series of Amendments: 04
 Supplement 01**

Approval status	
UN - Approval	: <u>E4*19R04/01*190561*00</u>

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 : WINJET BRIGHT AUTO LIGHTING CO., LTD.
Type : WJ30-0079E

0. General information

- 0.1. Trademark or trade name of the lamp : 
- 0.2. Manufacturer's name for the type of the lamp : WJ30-0079E
- 0.3. Name and address of the manufacturer : WINJET BRIGHT AUTO LIGHTING CO., LTD.
No.2, 3rd Street, New Technological Industrial Zone
Xingtan Town, Shunde District, 523825 Foshan City,
Guangdong Province, China(PROC)
- 0.4. Name and address of manufacturer's authorized representative : ---
- 0.5. No. of information folder : WJ30-0079E-01
date of issue : March 27, 2019
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) : Type: WJ30-0079E
Variant 1: WJ30-0079E with clear out lens
Variant 2: WJ30-0079E-11 with smoky gray out lens
Variant 3: WJ30-0079E-12 with selective yellow out lens
- Remark : Front fog lamp incorporating a lens made of glass intended as replacements for fitting to vehicles in use before 26 July, 2012.
one H1 12V 55W, filament lamp type

1.1.2. Condition of ~~vehicle(s)~~/ Object(s) : new, ~~used, protested~~

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 14, 2018 March 25, 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 : WINJET BRIGHT AUTO LIGHTING CO., LTD.
 Type : WJ30-0079E

2. Test minutes

- 2.1. Test facilities : The test facilities are in compliance with the requirements of the Regulation.
- 2.2. Test results : The lamp has been tested according the amendments mentioned in Appendix 0. The photometric values were carried over from the basic report.
- 2.2.1 Temperature : 25°C
- 2.2.2 Markings : The trade mark is marked clearly legible and indelible on the lens ~~and on the housing~~ of the lamp.
 The category of filament lamp 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 front fog lamp is designed and made that, under normal use, their satisfactory operation is ensured and they retain the required characteristics.
 The filament lamp can be fixed in no position but the correct one. The filament lamp holder conform to the characteristics stated in the IEC publication No. 60061.
 The construction of the fog lamp complies with the requirements as described in paragraph 5.2..The fog lamp can be adjusted by means of the adjustment system provided for, enabling the correct adjustment on the vehicles as to comply with the requirements applicable to them.
- 2.4. Photometric tests : The light emitted was obtained by means of an uncolored standard lamp of the category stated in paragraph 6.3 producing the required luminous flux.
 The front fog lamp was adjusted so that the cut-off on the screen appeared 1.15° below the line hh.
 The fog lamp beam produces a "cut-off" line symmetrically to the line vv. No variations in illumination detrimental to satisfactory visibility in both of the zones B and C have been observed.
 Illumination measured on the screen (refer to Annex 4 of the Regulation) by means of an uncolored standard lamp producing the required light flux.



Manufacturer : WINJET BRIGHT AUTO LIGHTING CO., LTD.
 Type : WJ30-0079E

Results of the photometric tests of the front fog lamp, Class B

Variant 1:

illumination produced on the screen in cd					
Designated lines or zones	Vertical position	Horizontal position	sample no.1	sample no. 2	Illumination required
Line 1	15° U to 60° U	0°	120.6	126.0	≤ 145
Zone A	0° to 1.75° U	5° L to 5° R	166.0	225.5	≥ 85
Zone B	0° to 3.5° U	26° L to 26° R	366.6	499.7	≤ 570
Zone C	3.5° U to 15° U	26° L to 26° R	144.4	209.1	≤ 360
Zone D	1.75° D to 3.5° D	12° L to 12° R	1997	1872	≥ 1700
Zone D	1.75° D to 3.5° D	12° L to 12° R	2969	2745	≤ 11500
Zone E	1.75° D to 3.5° D	12° L to 22° L and 12° R to 22° R	892.3	820.4	≥ 810
Zone E	1.75° D to 3.5° D	12° L to 22° L and 12° R to 22° R	2708	1964	≤ 11500

Variant 2:

illumination produced on the screen in cd					
Designated lines or zones	Vertical position	Horizontal position	sample no.1	sample no. 2	Illumination required
Line 1	15° U to 60° U	0°	109.0	106.2	≤ 145
Zone A	0° to 1.75° U	5° L to 5° R	98.54	107.6	≥ 85
Zone B	0° to 3.5° U	26° L to 26° R	341.2	451.0	≤ 570
Zone C	3.5° U to 15° U	26° L to 26° R	182.7	187.9	≤ 360
Zone D	1.75° D to 3.5° D	12° L to 12° R	1847	1830	≥ 1700
Zone D	1.75° D to 3.5° D	12° L to 12° R	2648	2654	≤ 11500
Zone E	1.75° D to 3.5° D	12° L to 22° L and 12° R to 22° R	926.2	1053	≥ 810
Zone E	1.75° D to 3.5° D	12° L to 22° L and 12° R to 22° R	1692	1903	≤ 11500



Manufacturer : WINJET BRIGHT AUTO LIGHTING CO., LTD.
 Type : WJ30-0079E

Variant 3:

illumination produced on the screen in cd					
Designated lines or zones	Vertical position	Horizontal position	sample no.1	sample no. 2	Illumination required
Line 1	15° U to 60° U	0°	120.7	137.9	≤ 145
Zone A	0° to 1.75° U	5° L to 5° R	302.8	334.4	≥ 85
Zone B	0° to 3.5° U	26° L to 26° R	554.2	562.7	≤ 570
Zone C	3.5° U to 15° U	26° L to 26° R	252.6	229.4	≤ 360
Zone D	1.75° D to 3.5° D	12° L to 12° R	1832	2001	≥ 1700
Zone D	1.75° D to 3.5° D	12° L to 12° R	2911	3074	≤ 11500
Zone E	1.75° D to 3.5° D	12° L to 22° L and 12° R to 22° R	1107	1466	≥ 810
Zone E	1.75° D to 3.5° D	12° L to 22° L and 12° R to 22° R	2710	2594	≤ 11500



Manufacturer : WINJET BRIGHT AUTO LIGHTING CO., LTD.
Type : WJ30-0079E

2.5. Stability of photometric performance of front fog lamps in operation

2.5.1. Stability of photometric performance

2.5.1.1. Clean lamp : The lamp was operated for 12 hours as described in Annex 5 paragraph 1.1.1. of the Regulation.

The visual inspection after this test did not show any distortion, deformation, cracking or change in color of the fog lamp lens.

Variant 1:

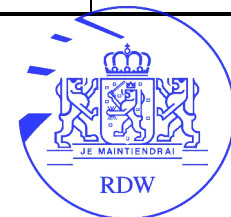
photometric test results (in cd)				
points on screen	initial	end of test	difference in %	allowable difference in %
I_{\max} in Zone D	2969	2856	-3.81	10
H-V	338.6	326.9	-3.46	10

Variant 2:

photometric test results (in cd)				
points on screen	initial	end of test	difference in %	allowable difference in %
I_{\max} in Zone D	2648	2551	-3.66	10
H-V	246.1	236.9	-3.74	10

Variant 3:

photometric test results (in cd)				
points on screen	initial	end of test	difference in %	allowable difference in %
I_{\max} in Zone D	2911	2801	-3.78	10
H-V	448.0	432.4	-3.48	10



Manufacturer : WINJET BRIGHT AUTO LIGHTING CO., LTD.
 Type : WJ30-0079E

2.5.1.2. Dirty lamp

: After preparation as prescribed in Annex 5 paragraph 1.2.1. of the Regulation, and confirmation that the illumination values have dropped to 15% to 20 % of the point of I_{max} in Zone D, the front fog lamp was operated for 1 hour as described in Annex 5 paragraph 1.1.1.

The visual inspection after this test did not show any distortion, deformation, cracking or change in color of the front fog lamp lens.

Variant 1:

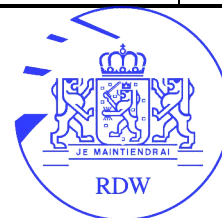
Photometric test results (in cd)				
points on screen	initial	end of test	difference in %	allowable difference in %
I_{max} in Zone D	2856	2753	-3.61	10
H-V	326.9	317.5	-2.88	10

Variant 2:

Photometric test results (in cd)				
points on screen	initial	end of test	difference in %	allowable difference in %
I_{max} in Zone D	2551	2468	-3.25	10
H-V	236.9	229.3	-3.21	10

Variant 3:

Photometric test results (in cd)				
points on screen	initial	end of test	difference in %	allowable difference in %
I_{max} in Zone D	2801	2733	-2.43	10
H-V	432.4	422.7	-2.24	10



Manufacturer : WINJET BRIGHT AUTO LIGHTING CO., LTD.
 Type : WJ30-0079E

2.5.2. Change in vertical position of the cut-off line under the influence of heat : Test result in accordance with paragraph 2 of Annex 5 of the Regulation in milliradians (mrad) (maximum deviation measurement):

Variant 1:

points on screen	sample no. 1	sample no. 2	maximum permissible
r ₃	0.00	--	
r ₆₀	-0.17	--	
r ₁ = r ₃ - r ₆₀	0.17	--	2.0

Variant 2:

points on screen	sample no. 1	sample no. 2	maximum permissible
r ₃	0.00	--	
r ₆₀	-0.17	--	
r ₁ = r ₃ - r ₆₀	0.17	--	2.0

Variant 3:

points on screen	sample no. 1	sample no. 2	maximum permissible
r ₃	0.00	--	
r ₆₀	-0.17	--	
r ₁ = r ₃ - r ₆₀	0.17	--	2.0



Manufacturer : WINJET BRIGHT AUTO LIGHTING CO., LTD.
 Type : WJ30-0079E

2.6. Colour test

: The CIE trichromatic coordinates of the light emitted by the headlamp of variant 1 & variant 2 are within the limits for white and variant 3 are within the limits for selective yellow prescribed in the paragraph 2.29. of the Regulation No.48.

Variant 1:

Chromatic coordinates	[2D-V]	
	sample no. 1	sample no. 2
x	0.4205	0.4227
y	0.4001	0.4006

Variant 2:

Chromatic coordinates	[2D-V]	
	sample no. 1	sample no. 2
x	0.4116	0.4042
y	0.3962	0.3883

Variant 3:

Chromatic coordinates	[2D-V]	
	sample no. 1	sample no. 2
x	0.5123	0.5065
y	0.4464	0.4454

2.7. Explanatory note

: not applicable

2.8. Variants and components

: Variant 1: WJ30-0079E with clear out lens
 Variant 2: WJ30-0079E-11 with smoky gray out lens
 Variant 3: WJ30-0079E-12 with selective yellow out lens



Manufacturer : WINJET BRIGHT AUTO LIGHTING CO., LTD.
Type : WJ30-0079E

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. : WJ30-0079E-01

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, April 02, 2019
DG/ EY/TY



Daniel Gu
Expert Technical Service



Manufacturer : WINJET BRIGHT AUTO LIGHTING CO., LTD.
Type : WJ30-0079E

List of modifications

Appendix 0

Correction of : ---

Modification of : ---

Addition of : 1), new variant with selective yellow lens

Deletion of : ---

