

Vehicle Technology Division & Admission

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- approval withdrawn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*27070*00

1.	Trade name or mark of the device	:	Vinjet
2.	Manufacturer's name for the type of device	:	WJ2030-0229;WJ2035-0229
3.	Manufacturer's name and address	:	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)
4.	If applicable, name and address of the manufacturer's representative	:	
5.	Submitted for approval on	:	November 20, 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	:	January 08, 2019
8.	Number of test report issued by that service	:	87-R6-211/19-00
9.	Concise description		
	Category	:	1, 1a, 1b, 2a, 2b, 5, 6 . ⁽²⁾
	Number, category	:	9 LEDs, Non-replaceable light source
	Function(s) produced by an interdependent lamp forming part of an interdependent lamps system	:	not applicable

P.O. Box 777 2700 AT Zoetermeer The Netherlands Tel. + 31 (0)79 345 83 02 E-mail typeapproval@rdw.nl www.rdw.nl Type-approval Department



Direction-indicator-component R6-01 v9.00

Approval number: E4*6R01/29*27070*00

	Voltage and wattage	:	12V, 2.36W
	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	:	see information folder for more details
	Application of an electronic light source control gear/variable intensity control		
	(a) being part of the lamp(b) being not part of the lamp	:	yes/no ⁽¹⁾ 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)	:	Version 1 and Version 3: yes/no ⁽¹⁾ Version 2 and Version 4: 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	:2	22-JAN-2019
15.	Signature	:	J.J.G. van Schaik RDW

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

Г

: November 20, 2018

1. Specification data

	Туре	WJ2030-0229;WJ2035-0229						
Par	rt number	umber WJ2030-0229-05; WJ2035-0229-05; WJ2030-0229-10; WJ2035-0229-10						
		Variant 1: WJ2030-0229-05; WJ2035-0229-05; with smoky gray outer lens						
			Version 1: WJ2030-0229	9-05; non-sequential activation	n			
Ţ	7		Version 2: WJ2035-02	29-05; sequential activation				
N N	ariants	Varia	nt 2: WJ2030-0229-10;W	J2035-0229-10; with red ou	ter lens			
			Version 3: WJ2030-0229	9-10; non-sequential activation	n			
			Version 4: WJ2035-02	29-10; sequential activation				
Б	unction	Rear direction	Stop Jamp	Pour position lamp	Powersing lamp			
Г	unction	indicator	Stop lamp	Real position famp	Reversing lamp			
Emi	tted colour	Amber	Red	Red	White			
Datad	Voltage			12V				
Rated	Wattage	2.36W	2.55W+0.96W	0.24W+0.24W	16W			
Applica	ble Regulation	R6.01	R7.02		R23.00			
	(UN)	Category 2a	Category R1Y-S1Y		Category AR			
NT 1	1	0 LEDa	Fixed part: 15 LEDs*	Fixed part: 9 LEDs				
Number	and category of	9 LEDS	Moveable part: 9 LEDs		One, W16W			
filament la	mp(light source)							
	Filament lamp				1			
	category &	Marked on Housing						
Location	Rated voltage							
of marking	Trade mark	VINJET		Marked on Housing				
	Approval mark	Marked on Lens						
I	Remark							

2. Construction and material

Construction	Material		Remarks		
			Variant 1: Smoky gray		
			Rear direction indicator &		
Outer lens	PMMA	Variant 2	Stop lamp &		
		v ariant 2	Rear position lamp: Red		
			Reversing lamp: Clear		
Inner lens	PC		Reversing lamp: Clear		
Reflector	PC+ABS	Aluminum coating			
Housing	ABS		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 Xingtan Town,				
		Shunde District, 523825 Foshan City, Guangdong Province China (PRC)				
4. Name and address of representative	:	Not applicable				

of manufacturer

This information document consists of 10 pages.

Note*: For fixed part, stop lamp contain 15 LEDs and shared 9 LEDs with the rear position lamp.



LEFT HAND



FOR FIXED PART



FOR MOVEABLE PART







SECTION A-A



SECTION B-B



SECTION C-C



RIGHT HAND





FOR MOVEABLE PART



FOR FIXED PART







SECTION A-A



SECTION B-B



SECTION C-C



Circuit Diagram

FOR FIXED PART





Rear position lamp: 9 LEDs, 12V 0.24W

Stop lamp: 15 LEDs, 12V 2.55W





Version 1/ Version 3: Non-sequential activation of direction indicator light source

Rear direction indicator: 9 LEDs, 12V 2.36W









Rear direction indicator: 9 LEDs, 12V 2.36W



FOR MOVABLE PART



Rear position lamp: 9 LEDs, 12V 0.24W Stop lamp: 9 LEDs, 12V 0.96W





Manufacturer Type : Winjet Bright Auto Lighting Co., Ltd. : WJ2030-0229;WJ2035-0229

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.



TÜVRheinland

Test Report No.: 87-R6-211/19-00

Manufact Type	Manufacturer: Winjet Bright Auto Lighting Co., Ltd.Type: WJ2030-0229;WJ2035-0229						
0. Genera	al information						
0.1.	Trademark or trade name of the lamp	VINJET					
0.2.	Manufacturer's name for the type of the lamp	: WJ2030-0229;WJ2035-0229					
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 date of issue date of last amendment	: WJ2030-0229;WJ2035-0229-00 : November 20, 2018 :					
1. Test of	oject(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: WJ2030-0229;WJ2035-0229 Variant 1: WJ2030-0229-05; WJ2035-0229-05; with smoky gray outer lens Version 2: WJ2035-0229-05; sequential activation Variant 2: WJ2030-0229-10;WJ2035-0229-10; with red outer lens Version 4: WJ2035-0229-10; sequential activation					
	Remark	: 9 LEDs 12V 2.36W, 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	: December 20, 2018-December 21, 2018					
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.					

Engineering Centre Shanghai TÜV Rheinland (Shanghai) Co., Ltd. No. 177, 179, 189, Lane 777, West Guangzhong Road, Shanghai, P.R. China





Manufacturer	Winjet Bright Auto Lighting Co., Ltd.	
Туре	WJ2030-0229;WJ2035-0229	

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.
		The flash of direction indicator is produced by sequential activation of its light source, the variation finished in 130 ms after the beginning of the ON cycle, the ratio of horizontal to the vertical sides of rectangle which circumscribing the apparent surface is 6.6, complies with the requirement as prescribed in Para. 5.6. of the Regulation.
		The lamp containing more than one light source complies with

Engineering Centre Shanghai TÜV Rheinland (Shanghai) Co., Ltd. No. 177, 179, 189, Lane 777, West Guangzhong Road, Shanghai, P.R. China





Manufacturer	: Winjet Bright Auto Lighting Co., Ltd.
Туре	: WJ2030-0229;WJ2035-0229

Variant 1:

Results of photometric tests of the rear direction indicator, category 2a (tested with 13.5V)

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	70.42	500	50
sample no. 2	72.21	500	50

measured after 30 minutes burning period when all light sources lit

distribution of the intensity of the lamps in [cd]								
horizontal angle		L20º	L10º	L5⁰	V	R5⁰	R10º	R20º
vertical angle	U10º	-	-	10	-	10	-	-
required	U5⁰	5	10	-	35	-	10	5
minimum	Н	-	17.5	45	50	45	17.5	-
intensity	D5⁰	5	10	-	35	-	10	5
	D10º	-	-	10	-	10	-	-
vertical angle	U10º	-	-	17.93	-	20.21	-	-
	U5⁰	8.708	27.14	-	46.81	-	37.49	16.58
sample no. 1	Н	-	32.84	57.96	66.92	68.08	48.16	-
	D5⁰	9.288	35.55	-	65.88	-	46.80	19.91
	D10º	-	-	43.28	-	48.64	-	-
vertical angle	U10º	-	-	20.62	-	16.87	-	-
	U5⁰	16.15	40.09	-	50.23	-	29.17	12.98
sample no. 2	Н	-	43.18	65.33	68.16	59.34	35.06	-
	D5⁰	15.27	42.17	-	53.91	-	31.96	10.58
	D10º	-	-	23.58	-	20.95	-	-

	sample no. 1	sample no. 2	allowable maximum	required minimum
maximum intensity [cd]	72.91	74.39	500	-
minimum intensity in the fields defined in Annex 1 of the Regulation [cd]	0.494	0.547	-	0.3

Typprüfstelle Fahrzeuge/Fahrzeugteile TÜV Rheinland Kraftfahrt GmbH Am Grauen Stein, 51105 Köln, Germany Designation: RDWT-CEB-01 Engineering Centre Shanghai TÜV Rheinland (Shanghai) Co., Ltd. No. 177, 179, 189, Lane 777, West Guangzhong Road, Shanghai, P.R. China





Manufacturer	: Winjet Bright Auto Lighting Co., Ltd.
Туре	: WJ2030-0229;WJ2035-0229

Variant 2:

Results of photometric tests of the rear direction indicator, category 2a (tested with 13.5V)

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	73.08	500	50
sample no. 2	76.94	500	50

measured after 30 minutes burning period when all light sources lit

distribution of the intensity of the lamps in [cd]								
horizontal angle		L20º	L10º	L5⁰	V	R5⁰	R10⁰	R20º
vertical angle	U10º	-	-	10	-	10	-	-
required	U5⁰	5	10	-	35	-	10	5
minimum	Н	-	17.5	45	50	45	17.5	-
intensity	D5⁰	5	10	-	35	-	10	5
	D10º	-	-	10	-	10	-	-
vertical angle	U10º	-	-	18.60	-	24.18	-	-
	U5⁰	11.73	31.57	-	47.03	-	36.09	14.64
sample no. 1	Н	-	36.03	61.02	69.36	67.28	52.43	-
	D5⁰	12.76	36.37	-	66.39	-	48.21	18.96
	D10º	-	-	41.42	-	38.53	-	-
vertical angle	U10º	-	-	22.59	-	20.85	-	-
	U5⁰	17.82	39.52	-	52.65	-	30.87	13.76
sample no. 2	Н	-	44.59	64.28	72.83	73.64	40.50	-
	D5⁰	18.02	46.22	-	54.77	-	34.17	14.59
	D10º	-	-	26.32	-	24.76	-	-

	sample no. 1	sample no. 2	allowable maximum	required minimum
maximum intensity [cd]	74.98	76.99	500	-
minimum intensity in the fields defined in Annex 1 of the Regulation [cd]	0.603	0.632	-	0.3

Typprüfstelle Fahrzeuge/Fahrzeugteile TÜV Rheinland Kraftfahrt GmbH Am Grauen Stein, 51105 Köln, Germany Designation: RDWT-CEB-01 Engineering Centre Shanghai TÜV Rheinland (Shanghai) Co., Ltd. No. 177, 179, 189, Lane 777, West Guangzhong Road, Shanghai, P.R. China





Manufac Type	turer	: Winjet Bright Auto L : WJ2030-0229;WJ203	ighting Co., Ltd. 35-0229				
2.5.	Colour test	: The are 2.2	: The CIE trichromatic coordinates of the light emitted by are within the limits for amber prescribed in the para 2.29. of the Regulation No.48.				
		Va	riant 1:				
]	Chromatic	Reference	ce axis		
			coordinates	sample no. 1	sample no. 2		
			х	0.5741	0.5747		
			у	0.4254	0.4248		
		Va	riant 2	Reference	ce axis		
			coordinates	sample no. 1	sample no. 2		
			x	0.6027	0.6022		
			У	0.3972	0.3977		

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

\oplus centre of reference



function	upper boundary	lower boundary	inner boundary	outer boundary
	(U) [mm]	(L) [mm]	(I) [mm]	(O) [mm]
rear direction indicator	8.5	15	85	72

Typprüfstelle Fahrzeuge/Fahrzeugteile TÜV Rheinland Kraftfahrt GmbH Am Grauen Stein, 51105 Köln, Germany Designation: RDWT-CEB-01





Manufacturer: Winjet Bright AuType: WJ2030-0229;W		: Winjet Bright Auto Lighting Co., Ltd. : WJ2030-0229;WJ2035-0229	
2.7. Explanatory note		: This report describes the examination of the rear directio indicator as a part of a lamp device.	n
		For the examination of the other lamp of the device, refer the following report:	to
		Type of lampTest Report No.Rear position and stop lamp87-R7-212/19-00Reversing lamp87-R23-213/19-00	

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.

: WJ2030-0229;WJ2035-0229-00

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, January 08, 2019 EY/TY

Jama Ju

Emma Yu Expert Technical Service





Manufacturer Type	: Winjet Bright Auto Lighting Co., Ltd. : WJ2030-0229;WJ2035-0229	
List of modifications		Appendix 0
Correction of	:	
Modification of	:	
Addition of	:	
Deletion of	:	

