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THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

Rev 8/ 99



COMMUNICATION CONCERNING THE APPROVAL GRANTED OF A TYPE OF DIRECTION INDICATOR PURSUANT TO REGULATION NO 6.01

Approval No: 015028

- 1. Trade name or mark of the device: JUNYAN
- 2. Manufacturer's name for the type of device: HU205-02-1
- 3. Manufacturer's name and address:

JUN YAN INDUSTRIAL Company Limited No.121, Wencheng Road Tainan Hsien Taiwan Republic of China

- 4. If applicable, name and address of the manufacturer's representative: Not applicable
- 5 Submitted for approval on: 3 August 2007
- 6. Technical service responsible for conducting the approval tests: Vehicle Certification Agency
- 7. Date of report issued by that service: 27 September 2007
- 8. Number of report issued by that service: EAH182594



Concise description: Category: 1

Number and category of filament lamp(s): 1 x PY21W

Geometrical conditions of installation and relating variations, if any: Not applicable

Only for limited mounting height of equal to or less than 750 mm above the ground: No

- 10. Position of the approval mark: On the lens
- 11. Reason(s) for extension (if applicable): Not applicable
- 12. Approval: GRANTED
- 13. Place: BRISTOL
- 14. Date 15 October 2007

15. Signature: 8 ten

A.W.STENNING Product Certification

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.



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THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

Rev 8/02



COMMUNICATION CONCERNING THE APPROVAL GRANTED OF A TYPE OF DEVICE PURSUANT TO REGULATION NO: 7.02

Approval No: 025028

- 1. Trade name or mark of the device: JUNYAN
- 2. Manufacturer's name for the type of device: HU205-02-1
- 3. Manufacturer's name and address:

JUN YAN INDUSTRIAL Company Limited No.121, Wencheng Road Tainan Hsien Taiwan Republic of China

4.

If applicable, name and address of the manufacturer's representative: Not applicable

- 5 Submitted for approval on: 3 August 2007
- 6. Technical service responsible for conducting the approval tests: Vehicle Certification Agency
- 7. Date of report issued by that service: 27 September 2007
- 8. Number of report issued by that service: EAH182594



Concise description: By category of lamp: A

For mounting either outside or inside or both: Outside

Colour of light emitted: White

Number and category of filament lamp(s): 3 x LED, 12V 0.5W

Special supply voltage: 12 Volts

Application of additional supply system: No

Switched power supply: Not applicable

Geometrical conditions or installation and relating variations if any: Not applicable

Only for limited mounting height or equal to or less than 750mm above the ground: No

10. Position of the approval mark: On the lens

11. Reason(s) for extension (if applicable): Not applicable

- 12. Approval: GRANTED
- 13. Place: BRISTOL
- 14. Date: 15 October 2007
- 15. Signature:



A.W. STENNING Product Certification

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.

EAH182594



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THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

Rev 9/93



COMMUNICATION CONCERNING THE APPROVAL GRANTED OF A TYPE OF HEADLAMP PURSUANT TO REGULATION NO 112.00

Approval No: 005028

- 1. Trade name or mark of the device: JUNYAN
- 2. Manufacturer's name for the type of device: HU205-02-1
- 3. Manufacturer's name and address:

JUN YAN INDUSTRIAL Company Limited No.121, Wencheng Road Tainan Hsien Taiwan Republic of China

- 4. If applicable, name and address of the manufacturer's representative: Not applicable
- 5. Submitted for approval on: 3 August 2007
- 6. Technical service responsible for conducting the approval tests: Vehicle Certification Agency
- 7. Date of report issued by that service: 27 September 2007
- 8. Number of report issued by that service: EAH182594



9. Concise description:

Category as described by the relevant marking: HC for passing beam and HR for driving beam

Number and category(ies) of filament lamp(s): 2 x H1 12V 55W for passing beam and driving beam

- 10. Approval mark position: On the lens
- 11. Reason(s) for extension of approval: Not applicable
- 12. Approval: GRANTED
- 13. Place: BRISTOL
- 14. Date: 15 October 2007
- 15. Signature:

A.W. STENNING Product Certification

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.

EAH182594





Vehicle Certification Agency

Far East Office



2007

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英國車輛驗證局遠東辦事處 建維驗證

VCA REFERENCES		
Test Report Number	EAH182594	
Number of Pages	10	
Number of Annexes	3	

TEST DETAILS	
Subject	Headlamp
Specific Requirements	ECE Reg. 6.01, 7.02 and 112.00.
Duration	2007/8/3~9/1
Technical Service	Integrated Service of Quality Assessment for Vehicle Certification Agency
VCA Representative	ARTHUR C. H. CHANG
Manufacturer's Representative	Alan Tsai
Reason for Test	Type of Approval

MANUFACTURER DETAILS	
Manufacturer's Name	JUN YAN INDUSTRIAL Co., Ltd.
Manufacturer's Address	No.121, Wencheng Road, Tainan Hsien, Taiwan, Republic of China
Premise of Manufacturing	Same As Above
Model Type & description	HU205-02-1
Category	1 for Front Direction Indicator,
	A for Front Position Lamp,
	HC for Passing beam and
	HR for Driving beam.
CONCLUSION	The submitted samples are tested in accordance with
	Specific Requirements and found in compliance with all aspects.
	Signature:

archer Chang

Name:ARTHUR C.H. CHANGPosition:COE of ISOQADate:27 September 2007

LIST OF ANN	EXES	POVAL AUTH	
Annex	Total page	Subject	Reference
1	1	Information document	
2	2	Drawings	HU205-02-1
2	2	РНОТО	HU205-02-1
3	10	Test Record	07-0257

60, Yong Long Road, Da-Li, Taichung, Taiwan, ROC \\Nt-s\data\client/JUN YAN 瘸陽EAH182594\5028 R6-112 HU205-02-1 Test Report.doc Page 1 of 11 Tel:886-4-24061011 Fax:886-4-24060419 E-mail:isoqa@autotestinglab.com http://www.autotestinglab.com



ECE REGULATION NO. 6

Item	Parameter	RESULTS	VES/NO
5.	GENERAL SPECIFICATIONS	REDUETO	TESINO
5.1.	Each device supplied shall conform to the specifications set forth in paragraphs 6. and 8. below.		YES
5.2.	The devices must be so designed and constructed that under normal conditions of use and		
	notwithstanding the vibrations to which they may be subjected in such use, their satisfactory operation		YES
	remains assured and they retain the characteristics prescribed by this Regulation.		
5.3.	Light source module		N/A
5.3.1.	The design of the light source module(s) shall be such that even in darkness the light source		
	module(s) can be fitted in no position, but the correct one.		<u>N/A</u>
5.3.2.	The light source module(s) shall be tamperproof.		N/A
6.	INTENSITY OF LIGHT EMITTED		
< · ·			

6.1. The light emitted by each of the two devices supplied must be in the case of the direction indicators of categories 1, 1a, 1b, 2a, 2b, 3 and 4 in the reference axis, in the case of **Please see Record** direction indicators of categories 5 and 6 in direction A according to annex 1 of not less than the minimum intensity and of not more than the maximum intensity specified below: **No.07-0257 attached**

D		Minimum	Maximum values in cd when used as					
מן	irection indicator	intensities	Single	Lamp (single) marked "D"	Total for the Assembly of two lamps(see			
	of category	cd	lamp	(see paragraph 4.2.2.3.)	paragraph 4.2.2.3.)	S1	S2	
1		175	700 ³	490 ³	980 ³	234.0	259.4	YES
1a		250	800 ³	560 ³	1120 3			N/A
1b		400	860 ³	600 ³	1200 ³			N/A
2a		50	350	350	350			N/A
2b	by day	175	700 ³	490 ³	980 ³			N/A
	by night	40	120 ³	84 ³	168 ³			N/A
3	towards the front	175	700 ³	490 ³	980 ³			N/A
	towards the rear	50	200	140	280			N/A
4	towards the front	175	700 ³	490 ³	980 ³			N/A
	towards the rear	0.6	200	140	280			N/A
5		0.6	200	140	280			N/A
6		50	200	140	280			N/A

The installation of front direction indicators of various categories in power-driven vehicles and their trailers is provided for in the Regulations concerning the installation of lighting and lightsignalling devices (Regulations Nos. 48 and 53).

³ The total value of maximum intensity for an assembly of two or more lamps is given by multiplying by 1.4 the value prescribed for a single lamp, except for category 2a.

When an assembly of two or more lamps having the same function is deemed to be, for the purpose of installation on a vehicle, a "single lamp" (following the definition of Regulation No. 48 and its series of amendments in force at the time of application for type approval), this assembly shall comply with the minimum intensity required when one lamp has failed, and, all the lamps together shall not exceed the admissible maximum intensity (last column of the table).

In the case of a single lamp containing more than one light source:

(i) all light sources which are connected in series are considered to be one light source;

(ii) the lamp shall comply with the minimum intensity required when any one light source has failed. However, for front or rear direction indicator lamps designed for only two light sources, 50 per cent of the minimum intensity in the axis of reference of the lamp shall be considered sufficient, provide that a note in the communication form states that the lamp is only for use on a vehicle fitted with an operating tell-tale which indicates when any one of these two light sources has failed.

(iii) when all light sources are illuminated the maximum intensity specified for a single lamp may be exceeded provided that the single lamp is not marked "D" and the maximum intensity specified for an assembly of two or more lamps (last column of the table) is not exceeded.

- 6.2. Outside the reference axis, within the regular field specified in the arrangement diagrams in annex 1 to this Regulation, the intensity of light emitted by each of the two devices supplied must :
- 6.2.1. In each direction corresponding to the points in the relevant table of luminous-intensity distribution reproduced in annex 4 to this Regulation, be not less than the minimum please see Record specified in paragraph 6.1. above multiplied by the percentage specified in the said table for the direction in question;
 Please see Record No.07-0257 attached
- 6.2.1.1. In divergence from paragraphs 6.2. and 6.2.1., for category 4 and 5 direction indicators, to the rear, a minimum value of 0.6 cd is required throughout the fields specified in annex 1;

6.2.2. In no direction within the area from which the indicator lamp is visible, exceed the **Please see Record No.**

<u>N/A</u>

YES

YES

N/A





<u>Please see Record No.</u> 07-0257 attached YES

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6.2.3.

Moreover,

6.2.3.1.	Throughout the field	ds defin	ned in the diagrams in anno	ex 1, the intensity of light emitted must	t	
	be not less than 0.7 ad	fordor	inco of ontone 11			
	not less than 0.7 cd	for dev	ice of category 1b,	2. A topping the		<u>N/A</u>
	front and for those	of cates	gory 2b by day:	, 5, 4 towards the	<u>Please see Record</u>	
					No.07-0257 attached	<u>YES</u>
	it shall not less than	0.07 0	d for device of estacor 21	her winter		
6.2.3.2.	For devices for cates	ories 1	and 2b by night and, to the	b by hight; e front for devices of categories 3 and 4.		<u>N/A</u>
	the intensity of the li	ight emi	itted outside the zone defin	ed by the measuring points $\pm 10^{\circ}$ H and		N/A
[$\pm 10^{\circ} \text{ V} (10^{\circ}\text{-field}) \text{ r}$	nust not	exceed the following value	es:	-	
1	Direction indicator of	0:1	Maximum values in	n cd outside the 10°-field	_	
	category	lamn	Lamp (single) Marked "D" (see paragraph 4 2 2 3)	Total for the assembly of two lamps(see		
	2b by night	100	70	140		N/A
	1, 3 and 4	400	280	560		N/A
	Between the bound	aries of	f the 10°-field (\pm 10° H	and \pm 10° V) and 5°-field(\pm 5°H and		
	$\pm 5^{\circ}$ V), the maximu	m adm	issible values of the inter	sities are linearly increased up to the		<u>N/A</u>
6.2.3.3.	For devices of categor	v la an	d 1h the intensity of the lig	the emitted outside the zone defined by the		
	measuring points $\pm 15^{\circ}$	H and ±	$= 15^{\circ} V (15^{\circ}-field)$ shall not exc	ceed the following values :		N/A
	Direction		Maximum values in	n cd outside the 15°-field		
	indicator of	Single	Lamp (single) Marked	Total for the assembly of two lamps(see		
	category	lamp	"D"(see paragraph 4.2.2.3.)	paragraph 4.2.2.3.)		
	la lb	400	280	350		N/A
L	Between the bound	aries of	the 15° -field (± 15° H a	1 = 500 and $\pm 15^{\circ}$ V) and 5°-field ($\pm 5^{\circ}$ H and		<u>N/A</u>
	$\pm 5^{\circ}$ V), the maximum	m admi	issible values of the inten	sities are linearly increased up to the		N/A
(004	values as defined in	paragra	uph 6.1.;			
6.2.3.4.	The provisions of j	paragra	ph 2.2. of annex 4 to the	his Regulation on local variations of		YES
6.3.	In general the intensit	ies shall	be measured with the light s	source(s) continuously alight		1LO
	However dependin	a on th	a construction of the de	source(s) continuously anglit.		<u>YES</u>
	emitting diodes (LE)	D). or t	he need to take precaution	s to avoid overheating it is allowed to		NI/A
	measure the lamps in	1 flashi	ng mode.	is to avoid overheating, it is anowed to		<u>IN/A</u>
	This must be achiev	ed by s	witching with a frequency	of $f=1.5\pm0.5$ Hz with the pulse width		NI/A
	greater than 0.3s, me	ble filon	at 95 per cent peak light in	ntensity.		IN/A
	flux during on time.		ient lamps, uie mament lam	ps shall be operated at reference luminous		YES
	In all other cases the ve	oltage as	required in paragraph 7.1.1.	shall be switched with a rise time and fall		
	time shorter than 0.01s	; no over	rshoot is allowed			<u>N/A</u>
	In the case of measu	rements	s taken in flashing mode the	he reported luminous intensity shall be		N/A
6.4.	In the case of devices of c	ategory 2	b the time that elapses between a	electrical supply being switched on and the light		
	output measured on the re	eference a	xis to reach 90 per cent of the va	lue measured in accordance with paragraph 6.3.		
	above shall be measured for	or both th	e day and the night conditions of	use. The time measured for the night condition of		<u>N/A</u>
65	Anney 4 referred to	in n	aragraph 6.2.1 above a	iver portioulors of the measurement		
0.0.	methods to be used.	o m p	aragraph 0.2.1. above, g	ives particulars of the measurement	Please see Record	VEC
					No.07-0257 attached	TLO
7.	TEST PROCEDUR	E				
7.1.	All measurements sha	ll be ma	de with an uncoloured or an	mber-coloured standard filament lamp of	PV21W standard bulb	
	the category prescribe	d for the	e device, the supply voltage	e being to so regulated as to produce the	FIZIW Standard Dub	YES
711	All measurements on	x prescr	ibed for that category lamp.	ship light and (film of the state	used	
/.1.1.	other) shall be made a	at 6.75V	. 13.5V or 28.0V respectiv	rely rely		N/A
	In the case of light sour	ces supp	lied by a special power supply	y, the above test voltage shall be applied to		
	the input terminals of	that pow	ver supply. The test laborator	ry may require from the manufacturer the		N/A
72	special power supply ne	eded to	supply the light sources.	which on addition 1 4 :		
	to obtain the night-ti	me inte	nsity, the voltage annlied	to the system for measuring the night-	15 OCT 2007	
	time intensity shall b	e that	which was applied to the	filament lamp for measuring the day-	1 001 200/]	<u>N/A</u>
4	time intensity.	1	64 112			
7.3	The limits of the an	narent	or the additional device will be	defined by special provisions.	A A	N/A
	device shall be detern	nined.	surface in uncetion of in	tereference axis of a light-signalling	PROVAL AUTHOR	YES
					OVAL AU	

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COLOUR OF LIGHT EMITTED

8.

The colour of light emitted inside the field of the light distribution grid defined in paragraph 2 of annex 4 shall be within the limits of the co-ordinates prescribed in annex 5 to this Regulation. Out side the field, no sharp variation of color shall be observed.

<u>YES</u>



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ECE REGULATION NO.7

Item	Parameter		RESULTS	YES/NO
5 .1	GENERAL SPECIFICATIONS			
5.1	Each device supplied shall conform to the specification set forth in paragraphs 6 a	and 8 below.		YES
5.2	The devices must be so designed and constructed that in normal cond	itions of use, and		
	notwithstanding the vibrations to which they may be subjected in such us	e, their satisfactory		YES
53	operation remains assured and hey retain the characteristics prescribed by this Re	gulation.		
5.5	approved end-outline marker lamps	leemed being also		YES
5.4	Front and rear position (side) lamps which are grouped or combine	ed or reciprocally		120
	incorporated may also be used as end-outline marker lamps.	A of feetprocarry		YES
5.5	Position (side) lamps, which are reciprocally incorporated with another function	n, using a common		
	light source, and designed to operate permanently with an additional system to re	gulated the intensity		N/A
551	of the light emitted, are permitted.	* A.		
5.5.1.	However, in the case of rear (side) position lamp reciprocally incorporated the device shall either	with a stop lamp,		
	(i) be a part of a multiple light source arrangement or			
	(i) be intended for use in a vehicle equipped with a failure monitoring system for	or that function		<u>N/A</u>
	In either case, a note shall be made within the communication document	s that function.		
5.6.	Light source module			NI/A
5.6.1.	The design of the light source module(s) shall be such that even in c	larkness the light		
	source module(s) can be fitted in no other position, but the correct one.			N/A
5.6.2.	The light source module(s) shall be tamperproof			N/A

6. INTENSITY OF LIGHT EMITTED

6.1. If the reference axis, the light emitted by each of the two devices supplied must be of not less than the minimum intensity and of not more than the maximum intensity specified below:

in mensity	and	ornot	more	man	the	maximum	intensity	specified belo	W:
and the second second second second		3			2				

	Minimum		Maximum values in a	ed when used as			
<u>1/</u>	Intensities cd	Single lamp	Lamp (single) marked "D" (paragraph 4.2.2.6.)	Total for the assembly of two or more lamps	S1	S2	
6.1.1 Front position (side) lamps, Front end-outline marker lamp	4	60 <u>2</u> /	42 <u>2</u> /	42 <u>2</u> /			<u>N/A</u>
6.1.2 Front position (side) lamps, Incorporated in headlamp	4	84 <u>2</u> /			<u>6.7</u>	<u>6.2</u>	YES
6.1.3 Rear position (side) lamps Rear end-outline marker lamp	4	12 <u>2</u> /	8.5 <u>2</u> /	17 <u>2</u> /			<u>N/A</u>
6.1.4 Stop-lamps							
6.1.4.1 with 1 level of intensity (category S1)	60	185 <u>2</u> /	130 <u>2</u> /	260 <u>2</u> /			<u>N/A</u>
6.1.4.2 with 2 levels of intensity(category S2)							<u>N/A</u>
6.1.4.2.1 by day	130.	520 <u>2</u> /	366 <u>2</u> /	728 2/			N/A
6.1.4.2.2. by night	30.	80 <u>2</u> /	56 <u>2</u> /	112 2/			N/A
6.1.4.3 Stop-lamps of category 3	25.	80	55	110			<u>N/A</u>

Note to table

1/ The installation of the devices referred to above in power-driven vehicles and their trailers is provided for in the Regulations concerning the installation of lighting and light-signalling devices (Regulations Nos. 48 and 53).

 $\underline{2}$ / The total value of maximum intensity for an assembly of two or more lamps is given by multiplying by 1.4 the value prescribed for a single lamp.

When an assembly of two or more lamps having the same function is deemed to be, for the purpose of installation on a vehicle, a "single lamp" (following the definition of Regulation No. 48 and its series of amendments in the force at the time of application for type approval), this assembly shall comply with the minimum intensity required when one lamp has failed, and all the lamps together shall not exceed the admissible maximum intensity(last column of the table) In the case of a single lamp containing more than one light source:

(i) all light sources which are connected in series are considered to be one light source;
(ii) the lamp shall comply with the minimum intensity requird shwn any one light source has failed. However, for lamps designed for only two light sources, 50 per cent of the minimum intensity in the axis of reference of the lamp shall be considered sufficient, provided that a note in the communication form states that the lamp is only for use on a vehicle fitted with an operating tell-tale which indicates when any one of these two light sources has failed.
(iii) when all light sources are illuminated the maximum intensity specified for a sigle lamp may be exceeded provided that the single lamp is not marked "D" and the maximum intensity specified for an assembly of two or more lamps (last column of the table) is not exceeded.



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		Vehicle Certification Age	ncy	19			Α
		Far East Office					
	V	英國車輛驗證局遠東辨	事處	建	維	驗	證
	6.2.	Outside the reference axis an within the angular fields defined in the diagrams in annex 1 to this Regulation, the intensity of the light emitted by each of the two devices supplied must	3				YES
	6.2.1.	In each direction corresponding to the points in the light distribution table reproduced in annex 4 to this Regulation, be not less than the product of the minimum specified in paragraph 6.1. above by	Please	see	Record	No.	YES
	6.2.2.	In no direction within the space from which the light-signalling device is visible, exceed the maximum specified in paragraph 6.1 above:	<u>07-025</u> Same	as ab	ove.		YES
	6.2.3.	However, a luminous intensity of 60 cd shall be permitted for rear position (side) lamps reciprocally incorporated with stop-lamps (see paragraph 6.1.3. above) below a plane					<u>N/A</u>
	6.2.4. 6.2.4.1.	forming an angle of 5° with and downward form the horizontal plane; Moreover., Throughout the fields defined in the diagrams in annex 1, the intensity of the light					
		emitted must be not less than 0.05 cd for front and rear position (side) lamps and end-outline marker	S1		S2		
		lamps, not less than 0.3 cd for stop-lamps with one level of intensity, and	<u>0.1</u>		<u>0.1</u>		YES
		for stop-lamps with two levels of intensity					<u>N/A</u>
	() ()	0.3 cd by day and. 0.07 cd by night;					N/A
	6.2.4.2.	If a rear position (side) lamp is reciprocally incorporated with a stop-lamp, the ratio between the luminous intensities actually measured of the two lamps when turned on simultaneously at the intensity of the rear position (side) lamp when turned on alone should be at least $5:1$ in the field delimited by the straight horizontal lines passing through $\pm 5^{\circ}$ V and the straight vertical lines passing through $\pm 10^{\circ}$ H of the light distribution table. If the stop-lamp has two levels of intensity, this requirement must be satisfied when the night condition is switched on:					<u>N/A</u>
		If the rear position (side) lamp or the stop lamp or both contain more than one light source and are considered as a single lamp as defined in note 2 of the table in paragraph 6.1 above, the values to be considered are those obtained with all sources in operation.					<u>N/A</u>
	6.2.4.3.	The provisions of paragraph 2.2. of annex 4 to this Regulation on local variations of intensity must be observed.					YES
	6.3.	The intensities shall be measured with the filament lamp(s) continuously alight and, in the case of devices emitting selective-vellow or red light, in coloured light.	White I	light e	mitted.		YES
	6.4.	In the case of a stop-lamp providing two levels of intensity the time that elapses between electrical supply being switched on and the light output measured on the reference axis to reach 90% of the value measured in					
		accordance with paragraph 6.3. above shall be measured for both the day and the night conditions of use. The time measured for the night condition of use shall not exceed that measured for the day condition of use.					<u>N/A</u>
	6.5.	Annex 4, to which reference is made in paragraph 6.2.1. above, gives particulars of the methods of measurement to be used.					<u>YES</u>
	7. 7.1.	TEST PROCEURE All measurements, photometric and colorimetric shall be made with a colourless standard					
		filament lamp of the category prescribed for the device, the supply voltage being so regulated as to produce the reference luminous flux required for that category of lamp.					<u>N/A</u>
	7.1.1.	In the case of a system with more than one intensity, the reference luminous flux prescribed for the specific category of filament lamp shall be applied to the greatest intensity					<u>N/A</u>
	7.1.2.	All measurements, photometric and colorimetric, on lamps equipped with non-replaceable light sources (filament lamps and other) shall be at 6.75 V. 13.5 V or 28.0 V respectively.	LED m	ade at	t 13.5V		YES
	7.1.3.	In the case of light sources supplied by a special power supply, the above test voltages shall be applied to the input terminals of that power supply. The test laboratory may require from the			8		N/A
	7.2.	manufacturer the special power supply needed to supply the light sources. However, in the case of stop-lamp for which an additional system is used to obtain the night-time intensity the voltage supply the light sources.					
	2/ The fin	which was supplied to the system for measuring the day-time intensity shall be that which was supplied to the filament lamp for measuring the day-time intensity. 2/					<u>N/A</u>
	7.3.	Where a rear position (side) lamp is reciprocally incorporated with a dual-intensity stop-lamp and is desimpted to compute output with an additional system shall be defined by special provisions.					
		measurement of the light emitted shall be performed with the same voltage supplied to the system as usual if combined to the format term and the light emitted shall be performed with the same voltage supplied to the system as		-			N/A
3	7.3.1.	Where a position (side) lamp is reciprocally incorporated with another lamp, and is designed to operate personally with an additional personal to approximate a second sec			A		
		light emitted, measurement of the light emitted shall be performed at 6.75 V, 13.5 V or 28 V respectively, where the additional system is near a fine during					<u>N/A</u>
4	7.3.2.	Where the additional system is not part of the device, then the tests shall be performed at the rated secondary design voltage applied to the light source.		15	OCT 20	107	
ľ	7.4.	from the manufacturer the additional system needed to regulate the light source. The vertical and horizontal outlines of the illuminating surface of a light signaling device shall		Eff.		E.	<u>N/A</u>
		be determined and measured in relation to the centre of reference.		APPRO	VAL AUTH	SPI	YES
					Charles and the second second		



7.6. In the case of a category S3 stop lamp, which is intended to be mounted inside the vehicle, a sample plate or sample plates (in case of different possibilities) as supplied (see paragraph 2.2.5) shall be positioned in front of the lamp to be tested, in the geometrical position(s) as described in the application drawing(s) (see paragraph 2.2.1.).

N/A

8. COLOUR OF LIGHT EMITTED

The colour of light emitted inside the field of the light distribution grid defined in paragraph 2 of annex 4 shall be within the limits of the co-ordinates prescribed in annex 5 to this Regulation. Out side the field, no sharp variation of color shall be observed.

YES

2007

PROVAL A



	Venicle Certification Age	ncy	Δ
	Far East Office		
	英國車輛驗證局遠東辦	毒。建維驗	證
	ECE REGULATION I	NO. 112	
Item	Parameter	Results	YES/NO
5.1.	Each sample shall conform to the specifications set forth in paragraphs 6. to 8. below.		VES
5.2.	Headlamp shall be so made as to retain their prescribed photometric characteristics and to remain it	n	VES
5.2.1.	Bood working order when in normal use, in spite of the vibrations to which they may be subjected. Headlamps shall be fitted with a device enabling them to be so adjusted on the vehicles as t	0	TLO
	comply with the rules applicable to them. Such a device need not be fitted on units in whic the reflector and the diffusing lens cannot be separated, provided the use of such unites i confined to vehicles on which the headlamp setting can be adjusted by other means.	h s	YES
	Where a headlamp providing a passing beam and a headlamp providing a driving beam each equipped with its own filament lamp, are assembled to form a composite unit th adjusting device shall enable each optical system individually to be duly adjusted.	ь, е	YES
5.2.2.	However, these provisions shall not apply to headlamp assemblies whose reflectors are indivisible.	2.	N/A
5.3.	The headlamp shall be equipped with filament lamp(s) approved according to Regulation	1	
	No. 37. Any Regulation No. 37 filament lamp may be used, provided that no restriction on the application is made in the table of contents of Regulation No.37. 6/	1	<u>YES</u>
<u>6/</u> HIR1 with the	and/or H9 filament lamps shall only be permitted to produce passing beam in conjunction installation of headlamp cleaning device(s) conforming to Regulation No 45 In addition	1	
with resp	bect to vertical inclination, the provision of paragraph 6.2.6.2.2. of Regulation No.48 0	ļ	N/A
apply as	amendments, shall not be applied when theses lamps are installed. This restriction shall long as there is no general agreement on the use of levelling devices and headlamp cleaner	l	
with resp 5.4.	ect to the level of the performance of the headlamp. The components by which a filament lamp is fixed to the reflector shall be so made that		
E E	even in darkness, the filament lamp can be fixed in no position but the correct one. $\underline{71}$.	,	YES
5.5.	The filament lamp holder shall conform to the characteristics given in IEC Publication 61-2, thin edition, 1969. The holder data sheet relevant to the category of filament lamp used, applies.	1	YES
<u>71</u> A head	llamp is regarded as satisfying the requirements of this paragraph if the filament lamp can be easily headlamp and the positioning lugs can be correctly fitted into their alots even in deduces.	Y	YES
5.6.	Headlamps designed to satisfy the requirements both of right-hand and left-hand traffic		
	may be adapted for traffic on a given side of the road either by an appropriate initia setting when fitted on the vehicle or by selective setting by the user. Such initial o	1	
	selective setting may consist, for example, of fixing either the optical unit at a given angle on the vehicle or the filament lamp at a given angle in relation to the optical unit la a		
	cases, only two different and clearly distinct settings, one for right-hand and one for left	For one traffic system	
	hand traffic, shall be possible, and the design shall preclude inadvertent shifting from one setting to the other or setting in an intermediate position. Where two different setting	only	<u>N/A</u>
	positions are provided for the filament lamp, the components for attaching the filament	t	
	filament lamp will be held in position with the precision required for headlamps designed		
	for traffic on only one side of the road. Conformity with the requirements this paragraph shall be verified by visual inspection and, where necessary by a test fitting	U	
5.7.	Complementary tests shall be done according to the requirements of annex 4 to ensure that is use there is no successive changes in a horse of the successive changes in the su	Please see Record	
	that in use there is no excessive change in photometric performance.	No.07-0257 attached	YES
5.8.	If the lens of the headlamp is of plastic material, test shall be done according to the requirements of annex 6.		YES
5.9.	On headlamps designed to provide alternately a driving beam and a passing beam, or a passing heam and/or a driving heam designed to become head lighting any machanical		
	electromechanical or other device incorporated in the headlamp for these purposes shall		N/A
5.9.1.	be so constructed that: the device is strong enough to withstand 50,000 operations without suffering damage		
592	despite the vibrations to which it may be subjected in normal use;		N/A
5.7.2.	passing beam according to paragraph 6.2.5.; in addition, on headlamps designed to		N/A
	provide a passing and/or a driving beam to become a bend lighting, a minimum illumination of at least 5 lux shall be fulfilled in test point 25V (VV line, D75 cm).		11/4
5.9.3.	either the passing beam or the driving beam shall always be obtained without any possibility of the mechanism stopping in between two position:		N/A
5.9.4.	the user cannot, with ordinary tools, change the shape or position of the moving parts.	1 5 OCT 2007	N/A
6.	ILLUMINATION		
6.1	General provisions	TADA ARIT	
6.1.1.	Headlamp shall be so made that they give adequate illumination without dazzle when emitting the passing beam, and good illumination when emitting the driving beam.	ROVAL AUTHO	YES

60, Yong Long Road, Da-Li, Taichung, Taiwan, ROC \\Nt-s\data\clientJUN YAN 瘸陽\EAH182594\5028 R6-112 HU205-02-1 Test Report.doc Page 8 of 11 Tel:886-4-24061011 Fax:886-4-24060419 E-mail:isoqa@autotestinglab.com http://www.autotestinglab.com

	(1)	Vehicle Co	ertifica	tion Agen	ncy S		Δ							
		Far	East C	Office										
V		英國車輛	驗證局	遠東辦事	處建	維驗	證							
6.1.2.	The illumination produced by forwards of the headlamp and	y the headlamp shall be deterr d at right angles to its axes as s	nined by mean of a	vertical screen set up 25 m			YES							
6.1.3.	The headlamps shall be of designed for a rated volta	checked by means of an unage of 12V. During the che	ncolored standard ecking of the head	l (etalon) filament lamp llamp, the voltage at the	LIA Chandand	hull used								
(14	terminals of the filament flux as indicated at the	lamp shall be regulated s relevant data sheet of l	so as to obtain the Regulation No.	he reference luminous 37.	ni Standard	buib usea	TES							
6.1.4.	he headlamp shall be paragraph 6 with at 1 submitted with the head	considered acceptable east on e standard (étal dlamp.	if it meets the on) filament lan	requirements of this mp, which may be			<u>YES</u>							
6.2. 6.2.1.	Provisions concerning passing beams The passing beam must produce a sufficiently sharp "cut-off" to permit a satisfactory adjustment with its aid. The "cut-off" must be a horizontal straight line on the side opposite to the direction of the traffic for which the headlamp is intended; on the other side, it must not extend beyond either the broken line HV, H ₁ , H ₄ formed by a straight line HV, H ₁ marking a 45° angle with the horizontal and the straight line H ₁ , H ₄ , 25 cm above the straight line hh. or the straight line HV, H ₃ , inclined at an angle of 15° above the horizontal (see annex 3). A "cut-off" extending beyond both line HV, H ₄ and line H ₂ , H ₄ and resulting from a combination of the two above possibilities shall in no circumstances be permitted. The headlamp shall be so aimed that :													
0.2.2.1.	the left-hand of the screen	8 / is horizontal and, in the raffic the "cut-off" on the right	nents of right-hand e case of headlam	d traffic, the "cut-off" on ps designed to meet the			YES							
8/ The tes least 5° or	st screen must be sufficien n either side of the line vy.	tly wide to allow examination	ation of the "cut-	off" over a range of at			YES							
6.2.2.2.	this horizontal part of the annex 3):	"cut-off" is situated on th	he screen 25 cm l	below the level hh (see			YES							
6.2.2.3.	the "elbow" of the "cut-of	ff" is on line vv. 9 /					YES							
<u>9</u> / If the b the manne	beam does not have a cut-o er which best satisfies the	ff with a clear "elbow", th requirements for illumin	e lateral adjustm ation at points 7	ent shall be effected in 5R and 50R for right-			YES							
hand traff 6.2.3.	ic and for points 75L and 5 When so aimed, the hea	50L for left-hand traffic. Idlamp need, if its appro-	val is sought sol	lely for provision of a										
	passing beam, <u>10</u> / compliand 6.2.9. below;	y only with the requirement	nts set out in para	agraphs 6.2.5. to 6.2.7.			<u>N/A</u>							
	if it is intended to provid the requirements set out i	le both a passing beam ar n paragraphs 6.2.5. to 6.2	nd a driving beam .7. and 6.3.	n, it shall comply with			YES							
<u>10</u> /Such a	special "passing beam" head Where a headlamp so aime	llamp may incorporate a drived does not meet the require	ving beam not sub	ject to requirements.	-	db	N/A							
0.2.1.	and 6.3., its alignment ma laterally by more than 1° (=	by be changed, provided the $= 44 \text{ cm}$ to the right or left	at the axis of the	e beam is not displaced		ČA \	YES							
11/ The li	the "cut-off", the headlamp	may be partially occulted in	order to sharpen t	the "cut-off".										
vertical rea	lignment. The latter is limite	ad only by the requirements	of paragraph 6.3.	However, the horizontal	150	ICT 2007	YES							
to headlam	ups intended to meet the requ	irements of this Regulation	only for provision	of a passing beam).	EF.	2	120							
0.2.3.	requirements :	a on the screen by the p	bassing beam sha	all meet the following	APPROV	AL AUTHORI	YES							
	Point on mea	suring screen	Required il	lumination in lux		AL AC								
	right hand traffic	left hand traffic	headlamp	headlamp	Sample 1	Sample 2								
	Point B 50 L	Point B 50 R	≤ 0.4	≤ 0.4	0.3	0.2	YES							
	″ 75 R	" 75 L	≥6	≥ 12	13.1	12.3	YES							
	″ 75 L	″ 75 R	≤ 12	≤12	1.5	0.7	YES							
	″ 50 L	″ 50 R	≤15	≤15	4.7	4.8	YES							
	″ 50 R	″ 50 L	≥6	≥ 12	15.4	19.0	YES							
	″ 50 V	″ 50 V	-	≥6	<u>13.6</u>	12.1	YES							
÷	″ 25 L	" 25 R	≥ 1.5	≥2	2.7	2.7	YES							
	″ 25 R	″ 25 L	≥ 1.5	≥2	2.2	2.8	YES							

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≤0.7

>2

≤ 0.7

≥3

Any point in zone III

Any point in zone IV

<u>0.7</u>

4.1

<u>0.7</u>

<u>3.9</u>

<u>YES</u>

YES

	Vehicle Certification Age	ncy S		Δ
	Far East Office			
	女田市打队城日、吉市城-	市中 建分	准龄	巡
	一 央國	事處 廷:	非一败	正
		1		
	Any point in zone I ≤ 20 $\leq 2E$ */ */E is the actually measured value in points 50R respectively 50L	<u>18.8</u>	<u>17.8</u>	<u>YES</u>
6.2.6.	There shall be no lateral variations detrimental to good visibility in any of the zones I, I	I,		YES
6.2.7.	The illumination values in zones "A" and "B" as shown in figure C in annex 3 shall be checked by the measurement of the photometric values of points 1 to 8 on this figure	<u>e Please see Re</u>	cord	VES
	these values shall lie within the following limits: 1+2+3>0.3 lux and	[°] <u>No.07-0257 at</u>	tached	<u>TES</u>
	$4 + 5 + 6 \ge 0.6$ lux, and	<u>0.4</u> 0.6	0.6	YES
	$0.7 \text{ lux} \ge 7 \ge 0.1 \text{ lux}$ and $0.7 \text{ lux} \ge 8 \ge 0.2 \text{ lux}$	0.2	0.2	YES
<u>12</u> / Illun	$0.7 \tan 2 \approx 20.2 \tan 2$	<u>0.3</u>	0.3	YES
exceed 0. 6.2.8.	7 lux. Headlamps designed to meet the requirements of both right-hand and left-hand traffi	c		YES
	must, in each of the two setting positions of the optical unit or of the filament lamp, meet the requirements set forth above for the corresponding direction of traffic.	t		N/A
6.2.9.	The requirements in paragraph 6.2.5. above shall also apply to headlamps designed t provide bend lighting and/or that include the additional light source referred to i	o n		N/A
6.2.9.1.	paragraph 6.1.10.2. If bend lighting is obtained by:			
6.2.9.1.1.	swiveling the passing beam or moving horizontally the kink of the elbow of the cut-of the measurements shall be carried out after the complete headlamp assembly has bee	· ·		N/A
6.2.9.1.2.	reaimed horizontally, e.g. by means of a goniometer; moving one or more optical parts of the headlamp without moving horizontally the kin	ξ.		<u>IN/A</u>
	of the elbow of the cut-off, measurements shall be carried out with these parts being i their extreme operating position;	1		<u>N/A</u>
6.2.9.1.3.	means of one additional light source without moving horizontally the kink of the elbow of the cut-off, measurements shall be carried out with this light cource activated.	f		<u>N/A</u>
6.2.10.	Only one principal light sources permitted for each passing beam headlamp. However, maximum of two additional light sources are permitted as follows:	a		
6.2.10.1.	One additional light source inside the passing beam headlamp according to Regulation No.37 may be used to contribute to bend lighting.	1		
6.2.10.2.	One additional light source according to Regulation No.37, inside the passing beam headlamp, may be used for the purposes of generating infrared radiation. It shall only b			
	activated at the same time as the principal light source. In the event that the principal light source fails, this additional light source shall be automatically switched off.	t		
6.2.10.3.	In the event of failure of an additional light source, the headlamp shall continue to fulfit the requirements of the passing beam.	1		
6.3.	Provisions concerning driving beams			
6.3.1.	In the case of a headlamp designed to provide a driving beam and a passing beam measurements of the illumination produced on the screen by the driving beam shall be taken	, 1		
	with the same headlamp alignment as for measurements under paragraphs 6.2.5. to 6.2.7 above; in the case of a headlamp providing a driving beam only, it shall be so adjusted that	t		VEC
	the area of maximum illumination is centred on the point of intersection of lines hh and vv such a headlamp need meet only the requirements referred to in paragraph 6.3, where more	sta		TES
())	than one light source is used to provide the driving beam, the combined functions shall be used to determine the maximum values of the illumination (E_M) .			
6.3.2.	The illumination produced on the screen by the driving beam shall meet the following requirements.	15 007	2007	YES
0.3.2.1.	The point of intersection (HV) of lines hh and vv shall be situated within the isolux 80% of maximum illumination.			YES
	circumstances exceed 240; in addition in the case of a combined passing and driving bodiement this	CIT ADD	NORT	YES
	maximum value shall not be more than 16 times the illumination measured for the massing beam at point 75R (or 75L).	PROVALA	JUL	N/A
6.3.2.1.1.	The maximum intensity (I_M) of the driving beam expressed in thousands of candelas shall be calculated by the formula ; $I_M = 0.625 E_M$	34.8	37.2	YES
6.3.2.1.2.	The reference mark (Γ_M) of this maximum intensity, referred to in paragraph 4.2.2.7 above, shall be obtained by the ratio : $\Gamma_M = I_M/3 = 0.208 F_M$	11.6	12.4	YES
	This value shall be rounded off to the value $7.5 - 10 - 12.5 - 17.5 - 20 - 25 - 27.5 - 30 - 37.5 - 40 - 45 - 50.$	10		YES
6.3.2.2.	Starting from point HV, horizontally to the right and left, the illumination shall be not less than 16 lux for Class A headlamp and 24 lux for Class B headlamp up to a distance of	Please see Re	cord	YES
	1.125 m and not less than 6 lux up to a distance of 2.25 m.	<u>No.07-0257 att</u>	ached	

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				Far East Office			
		英國	車	朝驗證局遠東辨事	事處	建維驗	證
6.4.	In the case of headla and 6.3 are applicable For verification the for	mp with an a e for each more ollowing proce	djusta unting dure s	ble reflector the requirements of paragraphs 6.2. g position indicated according to paragraph 2.1.3. shall be used:			<u>N/A</u>
6.4.1.	Each applied position centre of the light so then moved into such aiming prescriptions	n is realized of urce and poin h a position t	n the t HV hat th	test goniometer with respect to a line joining the on the aiming screen. The adjustable reflector is e light pattern on the screen corresponds to the $t \in 2, 2, 3$ and $(x \in 2, 3)$.			<u>N/A</u>
6.4.2. 6.4.3.	With the reflector init the relevant photomer Additional tests are n	tially fixed ac tric requirement ade after the	nts of	ng to paragraph 6.4.1., the headlamp must meet paragraphs 6.2. and 6.3; for has been moved vertically $\pm 2^{\circ}$ or at least into			<u>N/A</u>
	the maximum positio adjusting device. Hay for example)	n, if less than ving re-aimed	2°, fro the he	om its initial position by means of the headlamps eadlamp as a whole (by means of the goniometer			<u>YES</u>
	In the corresponding be controlled and lie passing beam : P	opposite dire within the requ oints HV and	ction uire lin 75R (the light output in the following directions shall mits : 75L respectively);	~		<u>YES</u> YES
	driving beam : E	M and point H	V (pe	rcentage of E _M).			YES
	Driving beam: IN	and point H	V (per	centage of I _M).			YES
6.4.4. 6.4.5.	If the applicant has paragraphs 6.4.1. to 6 If the applicant has no	indicated m .4.3. shall be t asked for spe	ore t repeat cial m	han one mounting position, the procedure of ed for all the other positions; ounting positions, the headlamp shall be aimed for			<u>N/A</u>
(5	measurements of para position. The addition its extreme positions (i	graphs 6.2. an al tests of para instead of $\pm 2^{\circ}$	d 6.3. graph) by m	with the headlamps adjusting device in its mean 6.4.3. shall be made with the reflector moved into eans of the headlamps adjusting device.			<u>YES</u>
o.s.	shall be measured by contained within a sq	y means of a uare of 65 mm	photo side.	ed in paragraph 6.2.5. to 6.2.7. and 6.3. above p-receptor, the effective area of which shall be			<u>YES</u>
7.	COLOUR						
7.1.	light of the beams sha	itted shall be v ill be in the fol	white .	expressed in CIE trichromatic coordinates, the	White	light emitted from	YES
	Limit towards blue	X	2	0.310	clear	bulb and clear	
	Limit towards yellow	X	<	0.500	lens.		
	Limit towards green	у	<	0.150 + 0.640 x			
	Limit towards green	у	<	0.440			
	Limit towards purple	У	>	0.050 + 0.750 x			
	Limit towards red	У	2	0.382			
8.	GAUGING OF DISC	COMFORT					
	The discomfort cause	d by the passin	ng bea	m of headlamps shall be gauged. 13/			OK
<u>13</u> / This r	equirement will be the	subject of a re	comn	nendation to administrations .			OK
							<u>un</u>



1 5 OCT 2007

	JUN	N YAN I	NDUSTRIAL Co	Ltd.						
		窑陽管	下業股份有限公司							
		Infor	mation Document							
		1111011	mation Document							
	for Init	tial	application to ECE Homologation	and the second se						
	of Mod	lel Number	HU205-02-1							
items	Details		Initial	Extension- 00 Remark						
1.	VCA									
1.1	Job Number		EAH182594							
1.2	Approval Num	nber	5028							
2.	Manufacturer									
2.1	Name		JUN YAN INDUSTRIAL Co.,							
			Ltd.							
2.2	Address		No.121, Wencheng Road, Tainan							
			Hsien, Taiwan, Republic of China							
2.3	Trade name or	mark	IIINYAN							
			30111111							
3.	Product		Head lamp							
3.1	Model Number HI 1205-02-1									
3.2	Intended									
	functions	Charteristic								
3.2.1	Front Direction	Category	1							
	Indicator	Bulb	PY21W 12V 21W							
	(Reg. 6)	Color of light	Amber							
		Color of lens	Clear							
3.2.2	Front Position	Category	А							
	Lamp (Reg.7)	Bulb	LED 12V 0.5W							
2		Color of light	White							
		Color of lens	Clear							
3.2.2	Passing Beam	Class	В							
	(Reg.112)	Category	HC							
		Bulb	H1 12V 55W							
		Color of light	Clear							
		Color of lens	Clear							
3.2.3	Driving Beam	Class	B							
	(Keg.112)	Category	HR							
		Bulb	H1 12V 55W							
		Color of light	Clear	15 OCT 2007						
	· · · · · · · · · · · · · · · · · · ·	Color of lens	Clear							
1	Descriptor		1111205 02 1	4						
4.	Drawings		HU203-02-1	BOVAL AUTHON						





Integrated Services of Quality Assessment

建維品質驗證有限公司

Professional Automobile Testing Laboratory and Certification Body

Record No.	07-		0257		77		Refer	ence	EAH1825	94	6/7/	112	502
Requirement	ECE	R6	Clause	e 6.1	Annex	4	Funct	ion	Front Dire	ection I	ndica	tor	(Reg. 6
Subject	HU2	05-02	-1				Date		3/8/2007				(108.0
			Table	of stand	lard ligh	nt distr	ibution		1		349.845		
	10°			20	U-	20	27						
	5°	10	20		70	14	20	10					
	0°	-	35	90	100	90	35		T V				
	5°	10	20		70		20	10					
	10°	0.00	100	20	• •	20	1.0.0		~				
	5 S. 1	20°	10°	5°	0°	5°	10°	20°					
				-	н	-							
		HU2	05-02	-1									
Test point mi	nımum			S. 1					S. 2		Res	ult	maxim
10U 5L	35			76.3					65.5		Т	Т	700
10U 5R	35			71.5				683	75.6		T	т	700
5U 20L	18			40.2					54.9		T	Ť	400
5U 10L	35			141.5				1	17.8		Ť	Ť	700
SU V	123			148.8				-	42.3		Ť	Ť	700
5U 10R	35			115.1					43.1		Ť	Ť	700
5U 20R	18			52.2					45.5		÷.	Ť	400
H 10L	61			224.9				2	36.6		÷.	Ť	700
H 5L	158			238.0				-	250.1		Ť	÷	700
H V	175			234.0	1.1.1.1			-	59 4		÷	÷	700
H 5R	158			225.4				-	249.6		÷	÷	700
H = 10R	61			217.5				-	26 1		÷	÷	700
5D 20L	18			90.5				e - 1	51 4		÷	÷	100
5D 10I	35			208.0				-	25 2		÷	÷	700
SD V	123			201.9				-	33 7		÷	÷	700
5D 10R	35			219.8				1	97 7		÷	÷	700
D 20R	18			83.3				10	01 6		÷	÷	100
10D 5I	35			115 7	man			1	47 4		+	÷	400
	35			126.0					22.6		+	I T	100
ninmum	0.30			0.6					0.4		T	+	400
Mox	0.50			264 0					0.4 74 E		+	-	700
VIAX				201.2				2	.74.5		1/		200
Tests 11	01				C '		-	ho	n		1		KA
lested by	Chen		and a second		Signa	ture		10			1	4.0	0.07
							God	her	11-		1	15	
A manager of lars	Arth	Ir C I	I Cha	na	Signat	11100	un		many		1		

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5028 R6-112 HU205-02-1 Test Record R6-C6.1-A4 page 1 of 1 60, Yong Long Road, Da-Li, Taichung, Taiwan, R.O.C. 台灣省台中縣大里市永隆路 60號 TEL:886-4-24061011 FAX:886-4-24060419 E-MAIL:isoqa@autotestinglab.com

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	colors of lights test record												
Record No.	07-	0257	412	Reference	EAH182594	6/7/112	5028						
Requirement	ECE R6	Clause8	Annex 5	Function	Front Direction	Indicator	(Reg. 6)						
Subject	HU205-02	2-1		Date	3/8/2007								

Requireme	nt	1.8	Mea	surement		
Amber color	of light emitted	Test	Н	U205-02-	1	Remark
Trichromatic Co-o	ordinates	point	S1	S2		
		x=	0.5532	0.5486	←	
limit toward red	y ≧ 0.39	y=	0.4197	0.4245		
limit toward green	y ≦ x-0.12		Т	Т	←	
Limit towards white	y ≧ 0.79-0.67	=	Т	Т		

Tested by

Chen

Signature

Chese archer Chang

Approved by

Arthur C. H. Chang Signature



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Dece 131	P	0000	litet		inca	Sul		-IIIS	ics.	100	010			
Record No.	07-	0257	CI				Refere	ence	EAH	82594	6/	7/112	502	8
Requirement	ECE	R.7	Claus	e6.1.1	Anne	x4	Functi	on	Front	Positio	n La	mp (Re	eg.7)	
Subject	HU2	.05-02	-1 T 11	6	1 1 1		Date		3/8/20	007		100		
	100	1	lable	of star	ndard I	ight c	listribu	tion						
	10°	10	-	20	=0	20								
	5	10	20		70		20	10	+					
	0.	10	35	90	100	90	35			V				
	5	10	20	-	70		20	10	+					
	10	200	100	20	00	20	4.00	0.00	-					
		20	10	5	0-	5	10°	20°						
					Н									
		HU20	05-02-	-1										
Test point m	inimum													
- est point in	minut			S. 1				S	. 2		Re	esult	maxim	um
10U 5L	0.8			6.74				6.	21		Т	Т	84	
10U 5R	0.8			7.14				6.	07		Т	Т	84	
5U 20L	0.4			5.22				5.	84		Т	Т	84	
5U 10L	0.8			6.39				6.	17		Т	Т	84	
5U V	2.8			6.85				6.	27		Т	Т	84	
5U 10R	0.8			6.69				5.	78		Т	Т	84	
5U 20R	0.4			6.49				4.	85		Т	Т	84	
H 10L	1.4			6.27				6.	25		Т	Т	84	
H 5L	3.6			6.55				6.	19		T	т	84	
H V	4			6.69				6.	22		т	т	84	
H 5R	3.6			6.88				5.	96		т	т	84	
H 10R	1.4			6.74				5.	76		т	Т	84	
5D 20L	0.4			5.95				4.	70		т	т	84	
D IOL	0.8			6.57				5.	54		т	т	84	
D V	2.8			6.56				5.9	94		Т	т	84	
D IOR	0.8			6.09				6.	13		Т	Т	84	
D 20R	0.4			5.10				5.	59		Т	Т	84	
IDD SL	0.8			6.04				5.1	75		Т	Т	84	
IUD SR	0.8			6.21				5.4	49		Т	Т	84	
ninmum	0.05			0.08				0.0	07		Т	Т	84	
viax				1.45				6.3	39		Т	T	84 00	-
C	CI					~ •	E ST	1	han			1		Ź
lested by	Chen		Sec. 19			Signa	ture .	4	un			1.		
		C T				~ •		arch	n C	Comp		1	5 OCT	20
approved by	Arthu	ir C. H	I. Char	ıg		Signa	ture -			T		12		

EAH182594 5028 R6-112 HU205-02-1 Test Record R7-C6.1.3-A4 page 1 of 1 60, Yong Long Road, Da-Li, Taichung, Taiwan, R.O.C. 台灣省台中縣大里市永隆路 60 號 TEL:886-4-24061011 FAX:886-4-24060419 E-MAIL:isoqa@autotestinglab.com

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 R7-C8-A5 page 1 of 1

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D 137	PHOLO	0005		-us		
Record No.	07-	025	7		Reference	EAH182594 6/7/112 5028
Requirement	ECE R112	Clau	ise 6 Anne	ex 4	Function	Passing Beam (Reg.112) Driving Beam (Reg.112)
Subject	HU205-02-	1		1.1	Date	3/8/2007
Right Hand	Traffic		14			A Present
Clause 6.2.5				Requir	ed ation in	
Te	est point sam	ple 1	sample2	lux		
В	50 L	0.3	0.2	\leq	0.4	
75	R	13.1	12.3	\geq	12	
75	L	1.5	0.7	\leq	12	
50	L	4.7	4.8	\leq	15	
50	R	15.4	19.0	\geq	12	
50	V	13.6	12.1	\geq	6	
25	L	2.7	2.7	\geq	2	
25	R	2.2	2.8	\geq	2	f
Zo	one III	0.7	0.7	\leq	0.7	
Zo	one IV	4.1	3.9	\geq	3	
Zo	one I	18.8	17.8	\leq	30.7	
Clause 6.2.7			- Constraints on	-		and the second second
40	J <mark>-8</mark> L	0.1	0.1			
41	J-V	0.1	0.1			
40	J-8R	0.1	0.1			
21	J -4 L	0.2	0.2			
21	J-V	0.2	0.3			
21	J-4R	0.2	0.2			
0.1 ≦ H-	-8L	0.2	0.2	\leq	0.7	
0.2 ≦ H-	-4L	0.3	0.3	\leq	0.7	
$0.3 \leq pc$	oint 1+2+3=	0.4	0.3			
0.6 ≦ p	oint 4+5+6=	0.6	0.6		1. 2	
Clause 6.3.2.	1 Sam	ple 1	Sample 2	Min	Max	
Emax		55.6	59.6	48	240	
HV		55.8	58.7	47.6		
Imax		34.8	37.2			
I'm		11.6	12.4	1		A Company of the second se
Clause 6.3.2.	2 Sam	ple 1	Sample 2	Min	Max	
$-2.25m \sim -1.1$.25m	13.8	13.5	6		
$-1.125m \sim +1$.125m	31.7	35.8	24		
+1.125m ~ +2	2.25m	16.1	14.7	6		15 OCT 20
Tested by	Chen			Signa	ture C	hest
Approved by	Arthur C. H	. Cha	ng	Signa	ture	des Chang Chang ADPROVALAUT

EAH1825945028 R6-112 HU205-02-1 Test RecordR112-C6-A4 page 1 of 160, Yong Long Road, Da-Li, Taichung, Taiwan, R.O.C.台灣省台中縣大里市永隆路 60 號TEL:886-4-24061011FAX:886-4-24060419E-MAIL:isoqa@autotestinglab.com

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0.2700 0.2800 0.2900 0.3000 0.3100 0.3200 0.3300 0.3400 0.3500 0.3600 0.3700 0.3800 0.3900 0.4000 0.4100 0.4200 0.4300 0.4400 0.4500 0.4600 0.4700 0.4800 0.4900 0.5000 0.5100 0.5200 X

Limit towards blue : $x \ge 0.310$ Limit towards yellow : $x \leq 0.500$ Limit towards green : $y \le 0.150 + 0.640x$ Limit towards green : $y \leq 0.440$ Limit towards purple : $y \ge 0.050 + 0.750x$ Limit towards red : y ≧ 0.382 15 OCT 2007 White limit according to ECE Regulation PROVAL AU Chen archer Chang Tested by Chen Signature Approved by Arthur C. H. Chang Signature

EAH1825945028 R6-112 HU205-02-1 Test RecordR112-C8-A4(passing) page 1 of 160, Yong Long Road, Da-Li, Taichung, Taiwan, R.O.C.台灣省台中縣大里市永隆路 60 號TEL:886-4-24061011FAX:886-4-24060419E-MAIL:isoqa@autotestinglab.com

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0.2700 0.2800 0.2900 0.3000 0.3100 0.3200 0.3300 0.3400 0.3500 0.3600 0.3700 0.3800 0.3900 0.4000 0.4100 0.4200 0.4300 0.4400 0.4500 0.4600 0.4700 0.4800 0.4900 0.5000 0.5100 0.5200 X

Limit towards blue : $x \ge 0.310$ Limit towards yellow : $x \leq 0.500$ Limit towards green : $y \le 0.150 + 0.640x$ Limit towards green : $y \leq 0.440$ Limit towards purple : $y \ge 0.050 + 0.750x$ 2007 Limit towards red : $y \ge 0.382$ White limit according to ECE Regulation Chen archer Chang Tested by Chen Signature Approved by Arthur C. H. Chang Signature

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 5028 R6-112 HU205-02-1 Test Record
 R112-C8-A4(driving) page 1 of 1

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Additi	iona	al phot	tometri	c measu	remen	ts test 1	record	l for
Record No	07-	025	7	Reference	EAH1825	01 617	7/112	5029
Requirement	ECE	R112 Clau	, 1se 6.4.3	Function	Passing Be (Reg.112)	eam (Reg.112	2) Drivin	g Beam
Subject	HU2	05-02-1	N W	Date	3/8/2007			
Right Hand	Traff	fic						
Clause 6.4.3								
Passing Beam Test HV 75	n point V R	Vertica sample 1 0.66 12.5	lly +2° sample2 0.69 12.0	Test point HV 75R	Vertica sample 1 0.69 14.1	ally -2° sample 2 0.70 12.6	$\begin{array}{c} \text{Requir}\\ \text{illumir}\\ \text{in lux}\\ \leq\\ \geq \end{array}$	red nation 0.7 12
Driving Beam	1		A	PA	P		Dequie	
		Vertica	lly +2°		Vertica	ally -2°	illumin	ation
Test	point	sample 1	sample2	Test point	sample 1	sample 2	in lux	
En HV	nax √	55.6	59.1 56.7	Emax HV	56.0 55.5	59.1 57.3		48 44.8
Tested by		Chnen		Signature	Che	M		
Approved		Arthur C. I	H. Chang	Signature	archer	Chang		

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 1182594
 5028 R6-112 HU205-02-1 Test Record
 R112-C6.4.3 page 1 of 1

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OCT 2007

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Stab	Stability of Photometric Performance test record													
Record No.	07-	0257		Reference	EAH182594 6/7/112	5028								
Requirement	ECE R112	Clause5. 7	Annex 5	Function	Passing Beam (Reg.112) (Reg.112)	Driving Beam								
Subject	HU205-02-	1		Date	21/8/2007									

Clause 1 S	tability 7	Test fo	r Righ	t Hand	Traffic										
	Test sample														
	1	2	1	2	1	2	1	2	1	2					
Point	clean he before	eadlamp clean headlamp discrepancy dirty headlamp after burn in Descrepancy		epancy	requirement										
Emax	56.3	-	53.0	-	6%	-	49.8	-	6%	-	\leq	10%			
HV	0.37	-	0.35		5%	-	0.33	-	7%	-	\leq	10%			
50 R	20.7	6	19.2	- /	7%	-	19.1	-	0%	-	\leq	10%			
B 50 L	0.17	-	0.16		7%	E	0.15		5%	-	\leq	10%			

Clause 2 Change in vertical position of	the CUT-OF	F line under	the infulence of	heat
Point	Contraction of the second			
	Sample 1	Sample 2		When
the absolute value $\triangle rI = r3-r60 $ is less then 1.0mard	OK		Requirement	$1 \text{ mrad} < \triangle rI \leq 1.5 \text{ mrad then the} \\ 2nd \text{ sample shall} \\ be tested.$

Tested by

David Lin

Signature Dancid Lin arches Chang

Approved by

Arthur C. H. Chang

Signature



EAH182594
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 R112-C5.7-A5 page 1 of 1

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The complete headlamp incorporating a lens of plastic material test record								
Requirement	ECE R112 Clause5.8 Annex	x 6 Function	Passing Beam (Reg.112) Driving Beam (Reg.112)					
Subject	HU205-02-1	Date	1/9/2007					

		Complete headlamp			
	Tests	Sample No.		comments	
		1	2		
2.1.	Deterioration (para. 2.6.1.1.) The mixture shall be sparyed until the variation in the diffusion of light on the sample(s) measured by the method described in appendix 2, is such that: \triangle d=(T5-T4)/T2=0.0250±0.0025	X		OK	
2.2.	Photometry (para. 2.6.1.2.) The result shall not ecxeed by more than 30 per cent the maximum values at points B 50 R and HV and not be more than 10 per cent below the minimum vaules prescribed at point 75 L.	X		B 50 L: $0.3075 \le 0.52$ HV: $0.74 \le 0.91$ 75R: 24.65 ≥ 10.8	
2.3.	Adherence (para. 2.6.2.) force adhension: 2 N/(cm of width)=20 per cent tape: at least 25mm wide;pressed for at least five minutesto the surface the tape shall be torn off at a constant speed of 1.5 m/s=0.2m/s the impaired area doesn't exceed 15 percent of the gridded surface		X	OK (The impaired area is less than 15 percent of the gridded surface)	
Teste	ed by Danny Hong	Sig	nature _	Danny Mung	

Approved by Arthur C. H. Chang

Signature

archer Cham 5 OCT 2007

EAH182594 5028 R6-112 HU205-02-1 Test Record R112-C5.8-A6 pagel of 1 60, Yong Long Road, Da-Li, Taichung, Taiwan, R.O.C. 台灣省台中縣大里市永隆路 60 號 TEL:886-4-24061011 FAX:886-4-24060419 E-MAIL:isoqa@autotestinglab.com