

# **CERTIFICATE Of Type Approval**

No: **0077-00009**

According to the

Test Report No. **EAH177944 00 0003**

ISOQA hereby certifies the samples with following details are complied with the related requirements :

**Daytime Running Lamp of ECE R87**



Model No. **SJ-286E**

Make: **MYCARR LIGHTING TECHNOLOGY CO., LTD.**

Address: **1, Lane 174, Jung Young Road, Chang Hwa Hsiang  
Taiwan, Republic of China**

**Signed by**

**Date of approval: 2007/4/25**

*Arthur Chang*

**Arthur C. H. Chang**

**Expiry Date: 2007/7/25**

**Chief Executive Officer**

**Integrated Service of Quality Assessment**

**This certificate is applicable to samples tested only.**

***This certificate is not a stand-alone document. The certificate has to be used together with the Certificate of Conformity of Production.***

E1/ E11/DOT/SAE  
Made in Taiwan  
Approved by ISOQA  
台灣生產、建維驗證



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THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

Rev 1/03



COMMUNICATION CONCERNING THE APPROVAL GRANTED OF A  
TYPE OF DAYTIME RUNNING LAMP PURSUANT TO ECE REGULATION  
NO: 87

Approval No: 00 0003

1. Trade name or mark of the device:  
Trade name: SIJ  
Trade mark: 
2. Manufacturer's name for the type of device: SJ-286E
2. Manufacturer's name and address:  
MYCARR LIGHTING TECHNOLOGY COMPANY LIMITED  
1, Lane 174, Jung Young Road  
Chang Hwa Hsiang  
Taiwan  
Republic of China
4. If applicable, name and address of the manufacturer's representative: Not applicable
5. Submitted for approval on: 11 April 2007
6. Technical service responsible for conducting approval tests: Vehicle Certification Agency
7. Date of test report issued by that service: 17 April 2007
8. Number of test report issued by that service: EAH177944





9. Concise description:

Number and category of filament lamps: 5 x LED 12V 7.6W & 24V 4.5W

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

10. Position of the approval mark: On the lens

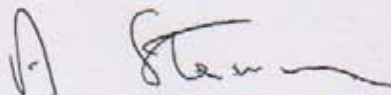
11. Reason(s) for extension (if applicable): Not applicable

12. Approval GRANTED

13. Place: BRISTOL

14. Date: 25 APRIL 2007

15. Signature:



A. W. STENNING  
Head of Product Certification

16. The following documents, bearing the approval number shown above, are available on request:

EAH177944

<sup>3/</sup> For daytime running lamps with non-replaceable light sources indicate the number and total wattage of the light sources used.





Vehicle Certification Agency

Far East Office

英國車輛驗證局遠東辦事處



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#### VCA REFERENCES

Test Report Number EAH177944  
Number of Pages 3  
Number of Annexes 3

#### TEST DETAILS

Subject Daytime Running Lamp details listed as Category  
Specific Requirements ECE Reg. 87.00  
Duration 2007/4/11~12  
Technical Service Integrated Service of Quality Assessment for  
Vehicle Certification Agency  
VCA Representative ARTHUR C. H. CHANG  
Manufacturer's Representative JACK SHY  
Reason for Test Type of Approval

#### MANUFACTURER DETAILS

Manufacturer's Name MYCARR LIGHTING TECHNOLOGY COMPANY LIMITED  
Manufacturer's Address 1, Lane 174, Jung Young Road, Chang Hwa Hsiang,  
Taiwan, R.O.C.  
Premise of Manufacturing Same As Above  
Model Type & description SJ-286E  
Category RL for Daytime Running Lamp.

#### CONCLUSION

The submitted samples are tested in accordance with  
Specific Requirements and found in compliance with all  
aspects.

Signature:

Name: ARTHUR C H CHANG  
Position: COE of ISOQA  
Date: 17 April 2007

#### LIST OF ANNEXES

Annex	Total page	Subject	Reference
1	1	Information document	SJ-286E
2	3	Drawings	SJ-286E
		PHOTO	
3	3	Test Record	07-0134
4			








## ECE REGULATION NO.87

Item	Parameter	RESULTS	YES/NO
6.	<b>GENERAL SPECIFICATIONS</b>		
6.1.	Each lamp shall conform to the specifications set forth in the paragraphs below.		<u>YES</u>
6.2.	Daytime running lamps shall be so designed and constructed that in normal use, despite the vibration to which they may then be subjected, they continue to function satisfactorily and retain the characteristics prescribed by this Regulation.		<u>YES</u>
6.3.	Light source module		<u>N/A</u>
6.3.1.	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 other position, but the correct one.		<u>N/A</u>
6.3.2.	The light source module(s) shall be tamperproof		<u>N/A</u>
7.	<b>INTENSITY OF LIGHT</b>		
7.1.	The intensity of the light emitted by each lamp shall not be less than 400 cd in the axis of reference.	<b>S1</b> <u>534.70 (12V)</u> <u>507.50 (24V)</u>	<b>S2</b> <u>513.30 (12V)</u> <u>607.10 (24V)</u> <u>YES</u>
7.2.	Outside the reference axis, in each direction corresponding to the points in the light distribution table reproduced in annex 3 to this Regulation, the intensity of the light emitted by each lamp shall be not less than the product of the minimum specified in paragraph 7.1. above by the percentage specified in the said table for the direction in question.		<u>YES</u>
7.3.	The intensity of the light emitted shall be not more than 800 cd in any direction.	<u>Please see Record No. 07-0134 attached.</u> <u>YES</u>	
7.4.	In the case of a lamp containing more than one light source the lamp shall comply with the minimum intensity required when any one light source has failed and when all light sources are illuminated the maximum intensity shall not be exceeded.		<u>YES</u>
8.	<b>ILLUMINATING SURFACE</b>		
	The area of the illuminating surface shall be not less than 40 cm <sup>2</sup> .	<u>40.5 cm<sup>2</sup></u>	<u>YES</u>
9.	<b>COLOUR OF LIGHT</b>		
	The colour of the light emitted inside the field of the light distribution grid defined at paragraph 3. of annex 3 shall be white. It shall be measured by using a source of light at a colour temperature of 2856 K (corresponding to illuminant A of the International Commission on Illumination, CIE). However, for lamps equipped with nonreplaceable light sources (filament lamps and other), the colorimetric characteristics should be verified with the light sources present in the lamp, in accordance with paragraph 10.2. of this Regulation.	<u>Please see Record No. 07-0134 attached.</u> <u>YES</u>	
	The colour of the light emitted inside the light distribution grid defined at paragraph 5. of annex 3 must be within the limits of the trichromatic co-ordinates prescribed in annex 4 to this Regulation. Outside this field no sharp variation of colour shall be observed.		
10.	<b>TEST PROCEDURE</b>		
10.1.	All measurements shall be carried out with a colourless standard filament lamp of the category indicated for the daytime running lamp adjusted to produce the reference luminous flux specified for this category of filament lamp.	<u>LED made at 13.5V &amp; 28.0V</u>	<u>YES</u>
10.2.	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. 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 manufacturer the special power supply needed to supply the light sources.		<u>N/A</u> <u>YES</u>
10.3.	The limits of the apparent surface in the direction of the reference axis of a light signalling device shall be determined		<u>YES</u>
11.	<b>HEAT RESISTANCE TEST</b>		
11.1.	The lamp must be subjected to a one-hour test of continuous operation following a warm-up period of 20 minutes. The ambient temperature shall be 23°C+ 5°. The filament lamp used shall be a filament lamp of the category specified for the lamp, and shall be supplied with a current at a voltage such that it gives the specified average power at the corresponding test voltage. However, for lamps equipped with non-replaceable light sources (filament lamps and other), the test shall be made with the light sources present in the lamp, in accordance with paragraph 10.2. of this Regulation.		<u>YES</u>
11.2.	Where only the maximum power is specified, the test shall be carried out by regulating the voltage to obtain a power equal to 90% of the specified power. The specified average or maximum power referred to above shall in all cases be chosen from the voltage range of 6, 12 or 24 V at which it reaches the highest value; for lamps equipped		<u>YES</u>









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with non-replaceable light sources (filament lamps and other) the test conditions set in paragraph 10.2. of this Regulation shall be applied.

11.3.

After the lamp has been stabilized at the ambient temperature, no distortion, deformation, cracking or colour modification shall be perceptible. In case of doubt the intensity of light according to paragraph 7. above shall be measured. At that measurement the values shall reach at least 90% of the values obtained before the heat resistance test on the same device.

YES



# MYCARR LIGHTING TECHNOLOGY COMPANY LIMITED

新傑汽車用品有限公司

## Information Document

for Initial

application to ECE Homologation

of Model Number

SJ-286E

items	Details	Initial	Extension	00	Remark
1.	VCA				
1.1	Job Number	EAH177944			
1.2	Approval Number	00 0003			
2.	Manufacturer				
2.1	Name	MYCARR LIGHTING TECHNOLOGY COMPANY LIMITED			
2.2	Address	1, Lane 174, Jung Young Road , Chang Hwa Hsiang , Taiwan , Republic of China			
2.3	Trade name or mark	SIJ			
3.	Product				
3.1	Model Number	SJ-286E			
3.2	Intended functions	Charteristic			
3.2.1	Daytime Running Lamp (Reg. 87)	Category	RL		
		Bulb	LED 12V 7.6W & 24V 4.5W		
		Color of light	White		
		Color of lens	Clear		
4.	Drawings	SJ-286E			





A

B

C

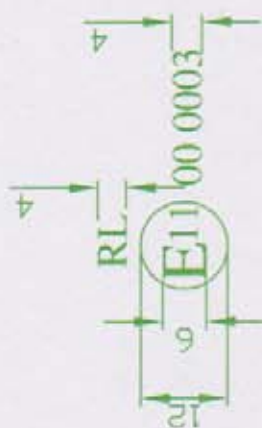
D

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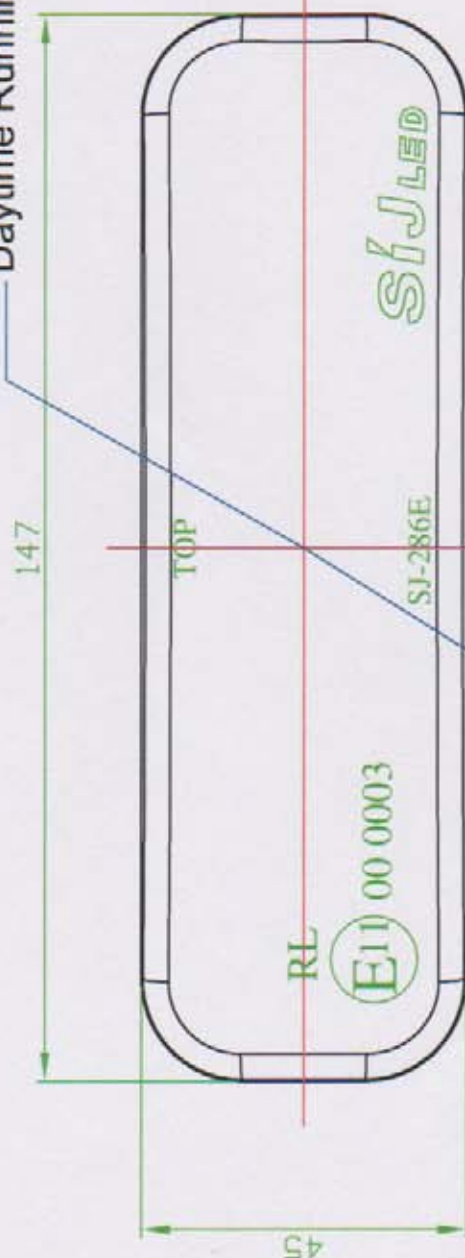
3

2

1



Daytime Running Lamp



Center of reference(LED)



\*字高0.3mm  
\*未標註拔模角1°  
\*未標註圓角R0.5

\*LOGO 及刻字於公模仁

客戶 customer	圖名 appellation	圖號 type number	材料 materials	PMMA	版次 order	暫時發行 modify matter	日期 date
表面 exteriority	模穴 mold cave	審核 assure	製圖 draftman	投影 sxiography	材料號 materials number	修改事項 modify matter	日期 date
圖號 graph number	數量 amount	比例 proportion	單位 module	日期 date	第三角法	公差	公差
01	01	1:1	mm	96.04.17	SJ-286E	***	SJ-286-01
						0.5 - 5 ±0.1	41 - 100 ±0.2
						5 - 20 ±0.12	101 - 200 ±0.12
						21 - 40 ±0.15	201 - 400 ±0.3



A

B

C

D

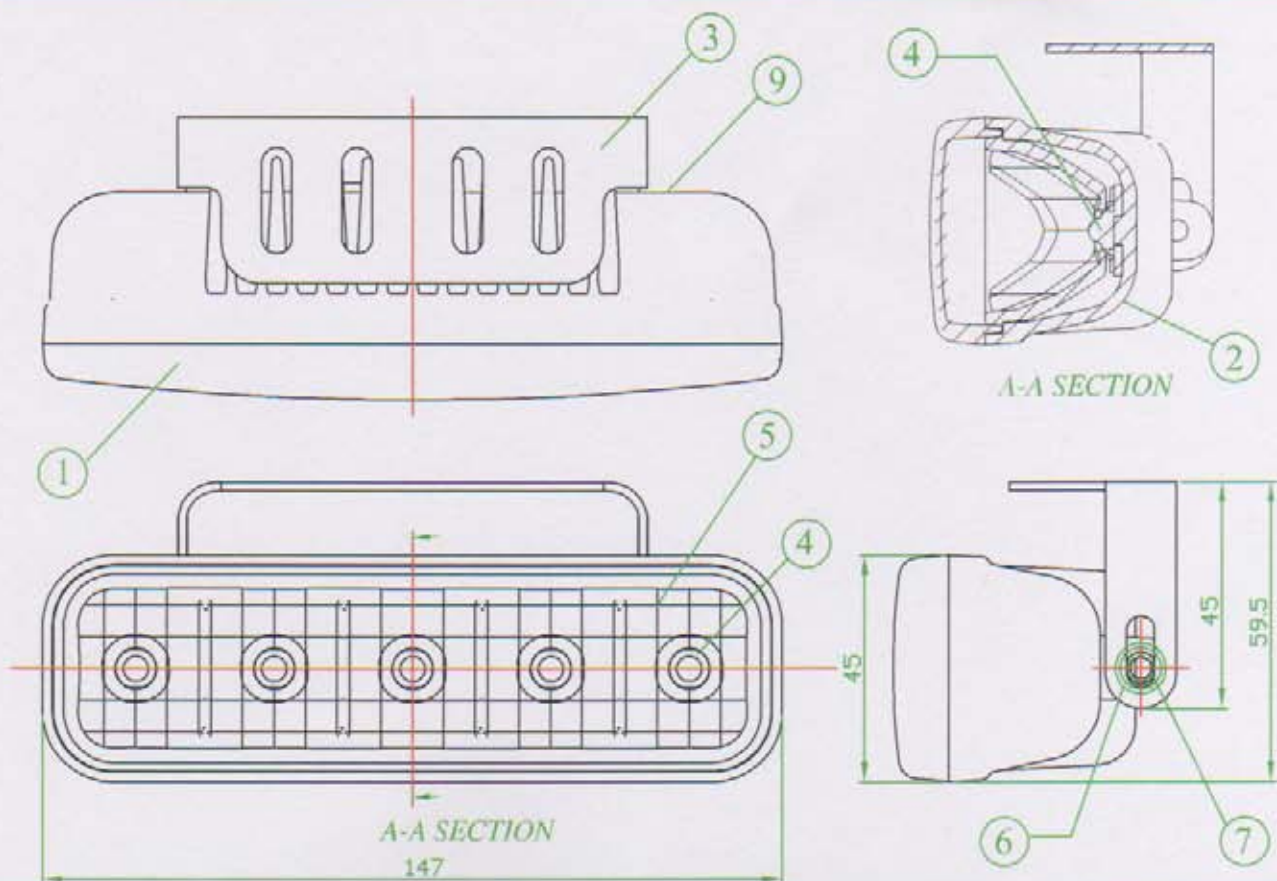
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3

2

1





10									
9	透氣貼布		XXXX	XXX	1				
8	華司		M5	鐵	2				
7	M5 內六角螺絲		M5	XXX	2				
6	華司		XXXX	鐵板	2				
5	反射杯		XXXX	橡膠	1				
4	LED		1w	XXX	5				
3	鐵腳架		XXXX	鐵	1				
2	底座		XXXX	鋁合金	1				
1	LENS		XXXX	玻璃	1				
No	名	稱	Part no.	Spec.	Material	q'ty	remark		
△				製品重量			第3角法	尺 度	1:2
△				一般公差	✓				
△				CAD NAME			單位		
△				SJ-286E			mm		
△				名	NAME	白晝燈			
△				稱					
△				番	PART NO.	SJ-286E			
△				號					
修訂版次	更改位置	Date	改訂事項	Approve					
審核		製圖		日期		新傑汽車用品有限公司 Mycarr AUTO ACCESSORIES CO.,LTD.			

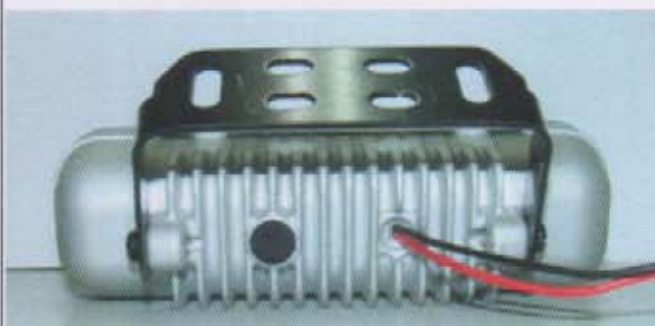


**MYCARR LIGHTING TECHNOLOGY COMPANY LIMITED**  
**SJ-286E**

**Front View**



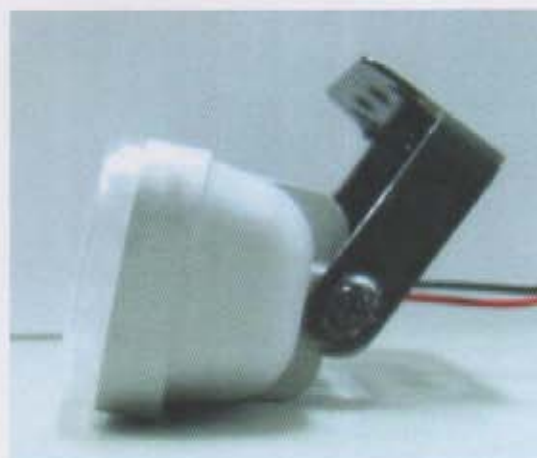
**Rear View**



**Top View**



**Side View**







# 建維品質驗證有限公司

## Integrated Services of Quality Assessment

### Testing and Certification Body to Specific Product and System Standards

#### photometric measurements test record

Record No.	07- 0134	Reference	EAH177944 87 00 0003
Requirement	ECE R.87 Clause7 Annex 3	Function	Daytime Running Lamp (Reg. 87)
Subject	SJ-286E	Date	11/4/2007

Table of standard light distribution

10°			20	20	20				
5°	10	20		70		20	10		
0°	25	70	90	100	90	70	25		
5°	10	20		70		20	10		
10°			20	20	20				
	20°	10°	5°	0°	5°	10°	20°		

H

V

Test point	minimum	S. 1	S. 2	Result	maximum
10U 5L	80	115.20	360.00	T T	800
10U H	80	130.60	417.20	T T	800
10U 5R	80	126.90	383.00	T T	800
5U 20L	40	80.40	105.30	T T	800
5U 10L	80	170.30	335.80	T T	800
5U V	280	347.50	534.20	T T	800
5U 10R	80	225.50	358.90	T T	800
5U 20R	40	97.30	115.00	T T	800
H 20L	100	101.00	101.90	T T	800
H 10L	280	288.90	323.20	T T	800
H 5L	360	438.40	444.70	T T	800
H V	400	534.70	513.30	T T	800
H 5R	360	503.60	473.10	T T	800
H 10R	280	371.10	348.00	T T	800
H 20R	100	147.40	111.90	T T	800
5D 20L	40	133.30	76.46	T T	800
5D 10L	80	365.20	200.00	T T	800
5D V	280	613.80	373.90	T T	800
5D 10R	80	439.20	228.80	T T	800
5D 20R	40	186.70	81.50	T T	800
10D 5L	80	438.70	128.60	T T	800
10D H	80	527.90	146.00	T T	800
10D 5R	80	498.80	138.10	T T	800

Tested by Arthur C. H. Chang

Signature

*Arthur Chang*

Approved by Arthur C. H. Chang

Signature

*Arthur Chang*



EAH177944

R87-00 0003 SJ-286E Test Record R87-C7-A3(12V) page 1 of 1

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# 建維品質驗證有限公司

## Integrated Services of Quality Assessment

### Testing and Certification Body to Specific Product and System Standards

#### photometric measurements test record

Record No.	07- 0134	Reference	EAH177944 87 00 0003
Requirement	ECE R.87 Clause7 Annex 3	Function	Daytime Running Lamp (Reg. 87)
Subject	SJ-286E	Date	21/4/2007

Table of standard light distribution

10°			20	20	20			
5°	10	20		70		20	10	
0°	25	70	90	100	90	70	25	
5°	10	20		70		20	10	
10°			20	20	20			
	20°	10°	5°	0°	5°	10°	20°	

H

V

Test point	minimum	S. 1	S. 2	Result	maximum
10U 5L	80	215.30	302.40	T T	800
10U H	80	256.80	346.60	T T	800
10U 5R	80	229.50	301.70	T T	800
5U 20L	40	82.50	110.30	T T	800
5U 10L	80	251.70	319.70	T T	800
5U V	280	417.90	529.50	T T	800
5U 10R	80	262.50	327.00	T T	800
5U 20R	40	77.48	125.80	T T	800
H 20L	100	106.50	149.30	T T	800
H 10L	280	335.90	386.40	T T	800
H 5L	360	449.20	531.00	T T	800
H V	400	507.50	607.10	T T	800
H 5R	360	465.50	536.60	T T	800
H 10R	280	341.70	393.20	T T	800
H 20R	100	108.00	158.70	T T	800
5D 20L	40	93.70	126.10	T T	800
5D 10L	80	298.80	328.70	T T	800
5D V	280	466.20	519.10	T T	800
5D 10R	80	313.60	324.80	T T	800
5D 20R	40	94.60	123.60	T T	800
10D 5L	80	280.40	257.00	T T	800
10D H	80	324.80	281.80	T T	800
10D 5R	80	293.30	249.40	T T	800

Tested by Arthur C. H. Chang

Signature

*Arthur Chang*

Approved by Arthur C. H. Chang

Signature

*Arthur Chang*



EAH177944

R87-00 0003 SJ-286E Test Record

R87-C7-A3(24V) page 1 of 1

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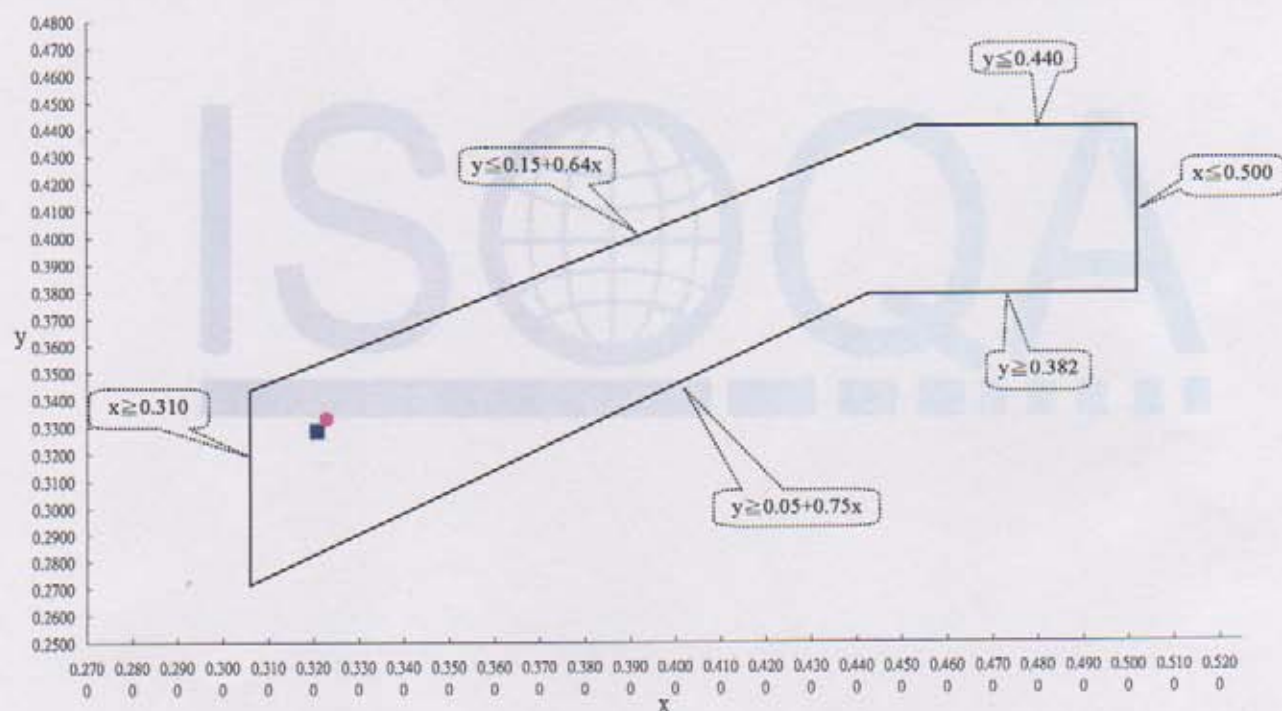
建維品質驗證有限公司

Integrated Services of Quality Assessment  
Testing and Certification Body to Specific Product and System Standards

colors of lights test record					
Record No	07-	0134	Reference	EAH177944	87 00 0003
Requirement	ECE	Clause8 Annex 4	Function	Daytime Running Lamp (Reg. 87)	
Subject	SJ-286E		Date	11/4/2007	

Test point      x      y      x      y  
HV      0.3208    0.3288    0.3230    0.3332

■ sample 1    ● sample 2



Limit towards blue :  $x \geq 0.310$   
Limit towards yellow :  $x \leq 0.500$   
Limit towards green :  $y \leq 0.150 + 0.640x$   
Limit towards green :  $y \leq 0.440$   
Limit towards purple :  $y \geq 0.050 + 0.750x$   
Limit towards red :  $y \geq 0.382$

Tested by Arthur C. H. Chang Signature

Arthur Chang

Approved by Arthur C. H. Chang Signature

Arthur Chang



EAH177944

R87-00 0003 SJ-286E Test Record R87-C8-A4(12V) page 1 of 1

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