



**VCA Headquarters**  
1 The Eastgate Office Centre  
Eastgate Road  
Bristol, BS5 6XX  
United Kingdom

Switchboard: +44 (0) 117 951 5151  
Direct line: +44 (0) 117 952  
Main Fax: +44 (0) 117 952 4103  
Email: [enquiries@vca.gov.uk](mailto:enquiries@vca.gov.uk)  
Web: [www.vca.gov.uk](http://www.vca.gov.uk)


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: 000006

1. Trade name or mark of the device:  
Trade name: SIJ  
Trade mark: 
2. Manufacturer's name for the type of device: SJ-287E
3. 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: 7 July 2008
6. Technical service responsible for conducting approval tests: Vehicle Certification Agency
7. Date of test report issued by that service: 11 August 2008
8. Number of test report issued by that service: EAJ193218



9. Concise description:

Number and category of filament lamps: 4 x LED 12V 4.8W and 24V 4.8W

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: 28 AUGUST 2008

15. Signature: 

A. W. STENNING  
Head of Technical and Quality Group

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

<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 建維驗證

**VCA REFERENCES**

Test Report Number           **EAJ193218**  
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                       **2008/7/7**  
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-287E**  
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:    **11 August 2008**

**LIST OF ANNEXES**

| Annex | Total page | Subject              | Reference |
|-------|------------|----------------------|-----------|
| 1     | 1          | Information document | SJ-287E   |
| 2     | 4          | Drawings<br>PHOTO    | SJ-287E   |
| 3     | 6          | Test Record          | 08-0372   |
| 4     |            |                      |           |







Vehicle Certification Agency

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英國車輛驗證局遠東辦事處



建維驗證

# ECE REGULATION NO.87

| item       | Parameter  | RESULTS  | YES/NO   |
|------------|--|--|--|
| <b>6.</b>  | <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>   |
| 6.4.       | Daytime running lamps, which are reciprocally incorporated with another function, using a common light source, and designed to operate permanently with an electronic light source control gear to regulate the intensity of the light emitted, are permitted  |  | <u>N/A</u>   |
| <b>7.</b>  | <b>INTENSITY OF LIGHT</b>  |  |  |
| 7.1.       | The luminous intensity of the light emitted by each lamp shall not be less than 400 cd in the axis of reference.   | <b>S1</b><br><u>799.30 (12V)</u><br><u>971.00 (24V)</u>      | <b>S2</b><br><u>797.70 (12V)</u><br><u>1044.00 (24V)</u><br><u>YES</u> |
| 7.2.       | Outside the reference axis and within the angular fields defined in the arrangement diagram in Annex 7 to this Regulation, the intensity of the light emitted by each lamp must:   |  | <u>YES</u>   |
| 7.2.1.     | In each direction corresponding to the points in the table of standard light distribution reproduced in Annex 3 to this Regulation, be not less than the minimum specified in paragraph 7.1.above, multiplied by the percentage specified in the said table of the direction in question, and  |  |  |
| 7.2.2.     | not exceed 1,200 cd in any direction the lamp is visible.  |  |  |
| 7.3.       | Moreover, throughout the field defined in the diagram in Annex 7, the intensity of the light emitted must not be less than 1.0 cd.   | <u>Please see Record No. 08-0372 attached.</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>   |
| <b>8.</b>  | <b>ILLUMINATING SURFACE</b>  |  |  |
|            | The area of the apparent surface in the direction of the axis of reference of the lamp shall be not less than 25 cm <sup>2</sup> and not more than 200 cm <sup>2</sup> .   | <u>40.5 cm<sup>2</sup></u>                                   | <u>YES</u>   |
| <b>9.</b>  | <b>COLOUR OF LIGHT</b>   |  |  |
|            | The colour of the light shall be white. It shall be measured under the conditions as prescribed in paragraph 10. below.  |  |  |
|            | The colour must be within the limits of the trichromatic co-ordinates prescribed in Annex 4 to this Regulation   | <u>Please see Record No. 08-0372 attached.</u>               |  |
| <b>10.</b> | <b>TEST PROCEDURE</b>  |  |  |
| 10.1.      | 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, when not supplied by an electronic light source control gear.  |  | <u>N/A</u>   |
| 10.2.      | In the case of a system that uses an electronic light source control gear being part of the lamp 3/, all measurements, photometric and colorimetric, shall be made applying at the input terminals of the lamp a voltage of 6.75 V, 13.5 V or 28.0 V respectively  | <u>LED made at 13.5V &amp; 28.0V</u><br><u>YES</u>           |  |
| 10.3.      | In the case of a system that uses an electronic light source control gear not being part of the lamp the voltage declared by the manufacturer shall be applied to the input terminals of the lamp. The test laboratory shall require from the manufacturer the light source control gear needed to supply the light source and the applicable functions.<br>The voltage to be applied to the lamp shall be noted in the communication form in Annex 1 of this Regulation                             |  | <u>N/A</u><br><u>N/A</u>   |
| 10.4.      | For any lamp except those equipped with filament lamps, the luminous intensities, measured after one minute and after 30 minutes of operation, shall comply with the minimum and maximum requirements. The luminous intensity distribution after one minute of operation can be calculated from the luminous intensity distribution after 30 minutes of operation by applying at each test point the ratio of luminous intensities measured at HV after one minute and after 30 minutes of operation | <u>Please see Record No. 08-0372 attached.</u><br><u>YES</u> |  |
| 10.5.      | The limits of the apparent surface in the direction of the reference axis of a light signalling device shall be determined   |  |  |

