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THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY



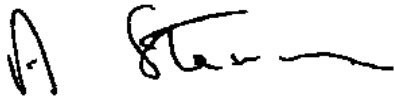
COMMUNICATION CONCERNING THE APPROVAL GRANTED <sup>(1)</sup>/  
~~APPROVAL EXTENDED <sup>(4)</sup>/APPROVAL REFUSED <sup>(4)</sup>/APPROVAL  
WITHDRAWN <sup>(4)</sup>/PRODUCTION DEFINITELY DISCONTINUED <sup>(4)</sup>~~ OF A  
TYPE OF SPECIAL WARNING LIGHT FOR MOTOR VEHICLES,  
PURSUANT TO REGULATION NO 65

Approval No: 65R-000176

1. Special warning lamp ~~/rotating / stationary flashing lamp / directional flashing lamp / complete bar / blue / amber / red~~ <sup>(1)</sup>
2. Special warning lamp has ~~one~~ two levels of intensity <sup>(1)</sup>  
Special warning lamp consists of one separate unit.
3. For special warning lamps having two levels of intensity, indicate the system used to obtain increased intensity at daytime: Electronic switching (internal)
4. Used light source,  
- ~~category of filament lamp~~ <sup>(1)</sup>  
or;  
- gas discharge light source ~~yes~~ /no <sup>(1)</sup>  
or;  
- LED: Yes ~~no~~ <sup>(4)</sup>  
or;  
Light source module: Yes ~~no~~ <sup>(4)</sup>  
Light source module specific identification code: 01-026C134-10
5. Rated voltage of special warning lamp 12 Volts
6. Trade name or mark: WHELAN

EAL232378



7. Manufacturer's name and address:  
Woodway Engineering Limited  
Lower Road  
Barnacle  
Coventry  
CV7 9LD  
United Kingdom
8. If applicable, name and address of manufacturer's representative: Not applicable
9. Submitted for approval on: 08 March 2011
10. Technical service responsible for approval tests BSI Product Services
11. Date of report issued by that service: 22 December 2011
12. Number of report issued by that service: 2477663205
13. Approval GRANTED/~~REFUSED/EXTENDED/WITHDRAWN~~<sup>(1)</sup>
14. Reason(s) of extension (if applicable): Not applicable
15. Place: BRISTOL
16. Date: 26 JANUARY 2012
17. Signature:  A. W. STENNING  
Head Of Technical And Quality Support Group
18. The list of documents filed with the administration service which has granted approval and available on request is annexed to this communication.

(1) Strike out what does not apply.





Woodway Engineering Ltd

## M4A-R65A2 Directional Light Head Technical Information

Lamp Type Number or Part Number: M4A-R65A2

Basic Description of Lamp, including ECE Category:  
Special Warning Lamp, Amber, dual level of intensity.  
ECE Regulation 65, Category 'X', type A, class 2 special warning lights.  
1 lamp module is required to meet the approval. See drawing 6A787.

Manufacturer's Name and Address:  
Woodway Engineering Ltd  
Lower Road  
Barnacle  
Coventry  
CV7 9LD  
United Kingdom

Representative's Name and Address (if applicable):  
n/a

### Lamp Specifications

Lens Optics / Reflector Optics:  
Amber outer optic lens.

Rated voltage: 12 V

Number of bulbs and ECE Reg 37 bulb category or for non-replaceable light sources number and total wattage:  
3 banks of 3 LED discrete surface mount devices. Each bank of 3 LED's are arranged in a series circuit configuration and are activated by an internal electronic flasher (See drawing 6C126-1 & 2).

Total wattage per lamp (average) 8 watts.

Lens material: Polycarbonate

Housing material: Polycarbonate.

Sealing/bonding method and material: n/a

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[www.woodwayengineering.co.uk](http://www.woodwayengineering.co.uk)

Woodway Engineering Limited, Lower Road, Barnacle, Coventry, CV7 9LD, United Kingdom

