



THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

COMMUNICATION CONCERNING THE APPROVAL GRANTED <sup>(4)</sup>/ APPROVAL EXTENDED <sup>(1)</sup>/  
APPROVAL REFUSED <sup>(4)</sup>/ APPROVAL WITHDRAWN <sup>(1)</sup>/ PRODUCTION DEFINITELY  
DISCONTINUED <sup>(4)</sup> OF A TYPE OF HEADLAMP PURSUANT TO REGULATION NO 112.01



Approval No: 112R-017591

Extension No: 01

1. Trade name or mark of the device:  
Lazer Lamps Ltd
2. Manufacturer's name for the type of device:  
Triple-R 1000  
  
Variants: Triple-R 1000  
Triple-R 1000 Competition-Optic
3. Manufacturer's name and address:  
  
Lazer Lamps Ltd  
2 Pages Old Mill  
Tamworth Road  
Hertford  
SG13 7DG  
United Kingdom
4. If applicable, name and address of manufacturer's representative: Not applicable
5. Submitted for approval on: As before 28 August 2015 and 22 December 2015
6. Technical service responsible for conducting approval tests:  
Vehicle Certification Agency

MSR348744

An executive agency of the Department for Transport  
June 2015 Revision 2



7. Date of report issued by that service: As before 07 September 2015 and 19 January 2016

8. Number of report issued by that service: As before MSR337113 and MSR348744

9. Brief description:

Category as described by the relevant marking: <sup>(2)</sup>

50 00R ↔ PL ( for Triple-R 1000 )

40 00R ↔ PL ( for Triple-R 1000 Competition-Optic )

Number and category(s) of filament lamp(s): Not applicable

Reference luminous flux used for the principal passing beam (lm): Not applicable

Principal passing beam operated at approximately (V): 12/24 V

Measures according to paragraph 5.8. of this Regulation: According to 5.8.1 method B

Number and specific identification code(s) of LED module(s) and for each LED module a statement whether it is replaceable or not: YES/NO <sup>(1)</sup>

Triple-R 1000

with no. 8 LED module made by Cree, Inc. code XPLAWT-00-0000-000BV20E3

Triple-R 1000 Competition-Optic

with no. 8 LED module made by Cree, Inc. code XPLAWT-H0-0000-000LU50E3

Number and specific identification code(s) of electronic light source control gear(s):

Triple-R 1000

No. 1 Drive current for the LEDs is controlled by the LED driver "LED5000" as manufactured by "ST Microelectronics". Drive current for the LEDs is set as 2.96 Amps at 61% duty cycle (1.81A average) with a tolerance of +/-0.1 Amps.

Triple-R 1000 Competition-Optic

No. 1 Drive current for the LEDs is controlled by the LED driver "LED5000" as manufactured by "ST Microelectronics". Drive current for the LEDs is set as 2.96 Amps at 29% duty cycle (PWM freq. 200Hz).

Total objective luminous flux as described in paragraph 5.9. exceeds 2,000 lumen: YES/NO/DOES NOT APPLY <sup>(1)</sup>.

The adjustment of the cut-off has been determined at: ~~40 m/25 m/does not apply~~ <sup>(1)</sup>.

The determination of the minimum sharpness of the "cut-off" has been carried out at: ~~40 m/25 m/does not apply~~ <sup>(1)</sup>

10. Approval mark position: On the left-bottom corner of the glass lens

11. Reason(s) for extension of approval:  
 \* addition of new Variant Triple-R 1000 Competition-Optic  
 \* perform of a new R112 test session on added Variant  
 \* upgrade of the Information Document ref. MSR337113 with last rev. on 22.12.2015

12. Approval ~~GRANTED/EXTENDED/REFUSED/WITHDRAWN~~<sup>(1)</sup>

13. Place: BRISTOL

14. Date: 20 JANUARY 2016

15. Signature:  D LAWLOR  
 Head of Technical Standards & Legislation

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.

Any remarks:

Approval to Reg.112.01 Consolidated to Supplement 1 (Revision 2, Amend.2).

Headlamp including Driving beam and so designed to meet both LH and RH traffic.  
 The lamp is designed for fitment on either the lamp hand or right hand vehicle side.

The headlamp does not contain an adjustable reflector. Alignment of the headlamp is controlled by an adjustable mount to the vehicle.

(1) Strike out which does not apply.

(2) Indicate the appropriate marking selected from the list below:

C,	C,	C,	R,	R PL	CR,	CR	CR,	C/R,	C/R,	C/R,
	----->	<-----				----->	<-----	----->	<-----	<----->
C/,	C/,	C/,	C PL,	C PL,	C PL,	CR PL,	CR PL	CR PL		
	----->	<-----		----->	<-----		----->	<-----		
C/R PL	C/R PL	C/R PL	C/PL	C/PL	C/PL					
	----->	<-----		----->	<-----					
HC,	HC	HC,	HR,	HR PL,	HCR,	HCR,	HCR,	HC/R,	HC/R,	HC/R,
	----->	<-----				----->	<-----	----->	<-----	<----->
HC/,	HC/,	HC/,	HC PL,	HC PL,	HC PL,	HCR PL	HCR PL,	HCR PL,		
	----->	<-----		----->	<-----		----->	<-----		
HC/R PL,	HC/R PL,	HC/R PL,	HC/PL,	HC/PL,	HC/PL,					
	----->	<-----		----->	<-----					