



THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

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APPROVAL REFUSED ⁽¹⁾/ APPROVAL WITHDRAWN ⁽¹⁾/ PRODUCTION DEFINITELY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



Approval No: 112R-017591

Extension No: 02

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
Triple-R 1000 Elite2
Triple-R 1000 Standard with Position Light (RRRPL)
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 and 11 August 2016
6. Technical service responsible for conducting approval tests: Vehicle Certification Agency
7. Date of report issued by that service: as before and 14 September 2016

MSS370919

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



8. Number of report issued by that service: As before (MSR337113, MSR348744) and MSS370919

9. Brief description:

Category as described by the relevant marking: ⁽²⁾

50 00R ↔ PL (for Triple-R 1000)

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

37.5 03HR ↔ PL (for Triple-R 1000 Elite2)

30 03HR PL (for Triple-R 1000 Standard with Position Light (RRRPL))

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 ⁽¹⁾

Triple-R 1000 and TRIPLE-R 1000 Standard with Position Light (RRRPL)

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

Triple-R 1000 Competition-Optic and TRIPLE-R 1000 Elite2

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).

Triple-R 1000 Elite2

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 2.6 Amps

TRIPLE-R 1000 Standard with Position Light (RRRPL)

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 2.6 Amps

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

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

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

- 10. Approval mark position: On the left-bottom corner of the glass lens
- 11. Reason(s) for extension of approval: To cover
 - 1) Addition of new Variants Triple-R 1000 Elite2 and Triple-R 1000 Standard + Position Lamp (RRRPL)
 - 2) Performance of new 112R test session on addition Variants
 - 3) Update of the Information Document

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 Approval ~~GRANTED/EXTENDED/REFUSED/WITHDRAWN~~⁽¹⁾

13. Place: BRISTOL

14. Date: 20 OCTOBER 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,	
	-->	<-->				---	<-->		---	<-->	
Cl,	Cl,	Cl,	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,	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,						
	---	<-->		---	<-->						