



Vehicle Administration Centre has, on the application of Oy Talmu Ab, located in Salo, by virtue of the Decree on Carrying into Effect the Agreement Concerning the Adoption of Uniform Conditions of Approval and Reciprocal Recognition of Approval for Motor Vehicle Equipment and Parts, § 2, decided to grant the ECE approval for the motor vehicle reversing lamp, model Talmu 14 1179-240, 14 1179-230 and Hella 2ZR 964 169-03 manufactured by the applicant, carrying approval number 2311 Extension 1, and complying with the ECE regulations No. 23/00 as specified in the enclosed Approval Certificate and Drawings No. 014025-00 and 014145-00.

The lamp devices marked with the approval number must correspond to the devices examined in tests on which this approval decision is based on. The approval can be cancelled if it is found that the lamp devices carrying the approval number do not comply with the requirements of ECE Regulations No. 23/00.

Helsinki, on the 8th of July 1998.

Head of Unit

Martti Lahti

Inspection Engineer

Ismo Ronkainen

Charge FIM 1000,-

Oy Talmu Ab
24100 Salo

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2311

COMMUNICATION

concerning:

~~APPROVAL GRANTED~~
APPROVAL EXTENDED
~~APPROVAL REFUSED~~
~~APPROVAL WITHDRAWN~~
~~PRODUCTION DEFINITELY DISCONTINUED~~

of a type of reversing lamp

pursuant to Regulation No. 23/00

Approval No. 2311

Extension No. 1

1. Trade name or mark of the device: Talmu 14 1179-240, 14 1179-230
Hella 2ZR 964 169-03
2. Manufacturer's name for the type of device: reversing lamp 1179
3. Manufacturer's name and address: Oy Talmu Ab
FIN-24100 Salo, Finland
4. If applicable, name and address of the manufacturer's representative: -
5. Submitted for approval on: 3.7.1998
6. Technical service responsible for conducting approval tests: VTT AUTOMATION
Product Technology / Environmental Testing
P.O. Box 13051
FIN-02044 VTT, Finland
7. Date of test report: 22.6.1998
8. Number of test report: AUT/TES/77/98





9. Concise description:

Number and category of
filament lamp(s)

one lamp, P21W

10. Position of the approval mark:

on the lens, see drawings No. 014024-00

11. Reason(s) for extension
(if applicable):

new surface treatment for reflector,
change of illuminating surface area

12. Approval

~~granted/refused, extended/withdrawn~~

13. Place:

Helsinki

14. Date:

8.7.1998

15. Signature:

Martti Lahti
Head of Unit



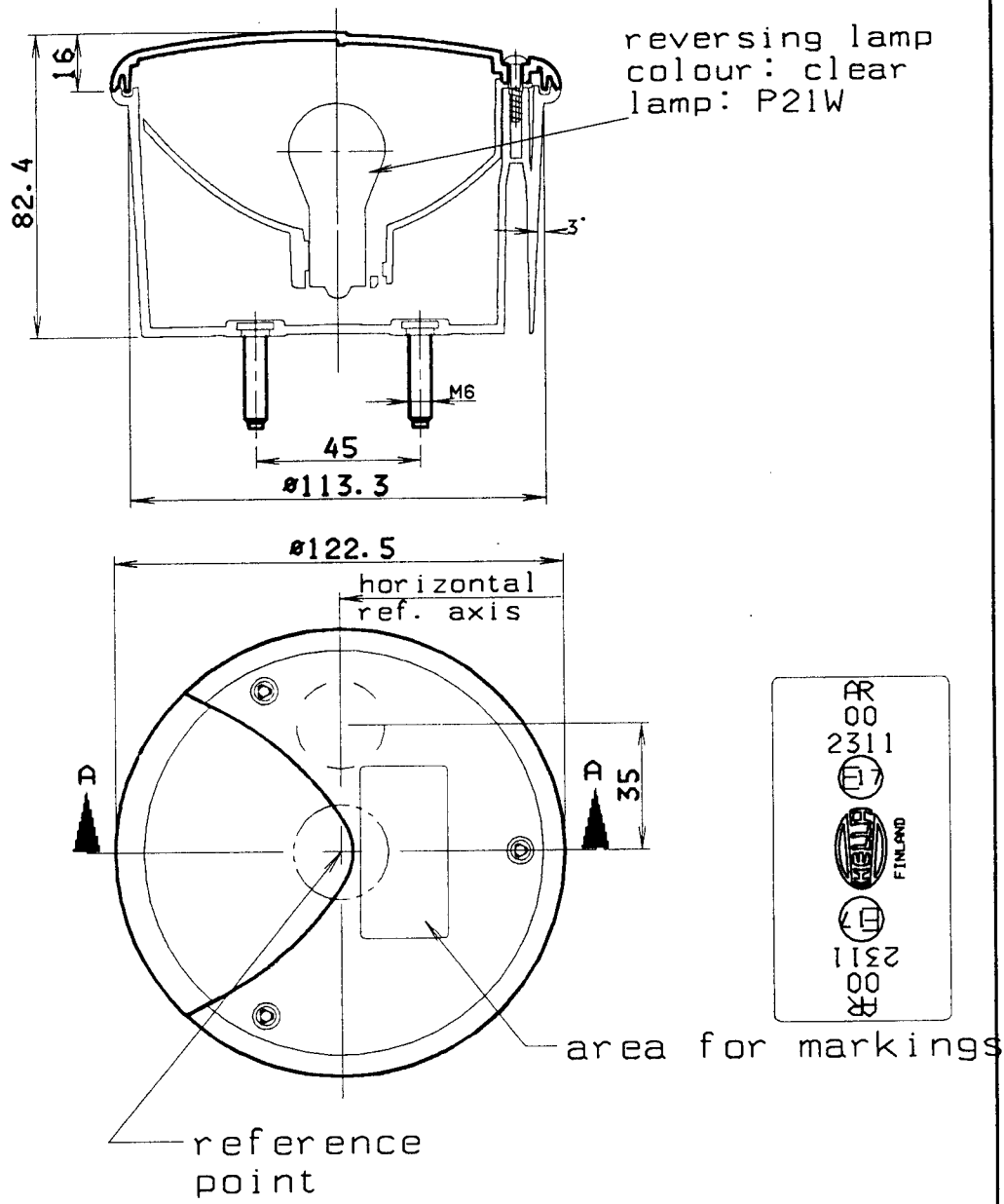
The list of documents deposited with the Administrative Service which has granted approval is annexed to this communication and may be obtained on request

Test report No AUT/TES/77/98
Drawings No. 014024-00
014145-00

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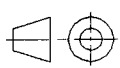


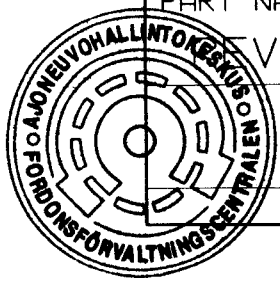
2311



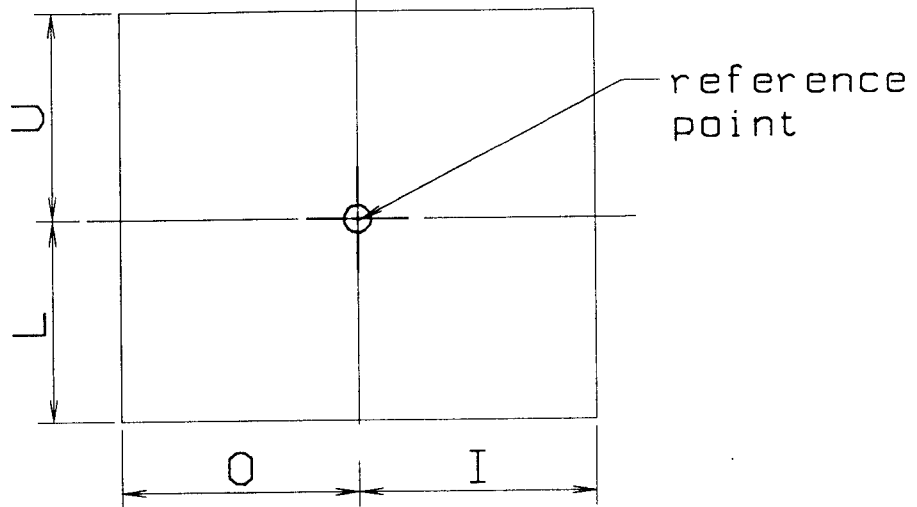
Talmu product number: 14 1179-240 with fixing screws
 " " : 14 1179-230 without " "
 Hella " " : 2ZR 964 169-03

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E 17

SCALE	1:2	DATE	NAME	 OY TALMU AB FINLAND	2311	
ISO-E		DRAWN	26.01.1998		EHA	MODE H
		EXAM.				
		GROUP		TUKE	MCADAM	
PART NAME					MODE	
REVERSING LAMP 1179					H	
DRAWING NO					ISO-A	
014024-00					4	
MCADAM						



Determining the lower, upper and lateral limits of the illuminating surface of the lamp device.
 According to European DIRECTIVE 91/663/EEC, Annex I
 "Installation of lightning and light-signalling devices",
 clause 1.9.2.
 According to ECE regulation 48/01
 "Installation of lightning and light-signalling devices",
 clause 2.9.2.



Function	upper limit (U) mm	lower limit (L) mm	outer limit (O) mm	inner limit (I) mm
Reversing lamp	36	39	41	50


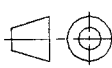
Belongs drw. no: 014024-00

See test report VTT AUT/TES/77/98

Replacing drw. no. 014080

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E 17

SCALE	—	DATE	NAME	 OY TALMU AB FINLAND	2311	
ISO-E		DRAWN	EXAM.		DRAWING NO 014145-00	MODE H
		GROUP	TUKE			
PART NAME					ISO-A	
REVERSING LAMP 1179					4	
ILLUMINATING SURFACE					MCADAM	

