

Test Report 95XS0294-00

Haztec International Limited

Vehicle Tests (250 km/h)
with warning lamps
installed on vehicle roof
on
8 December 2009



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Test report: general data of the test

1. Report-No.	: 95XS0294-00		
2. Basis of the test			
- Regulation	:	--	
- Directive	:	--	
- other	:	Vehicle test (250 km/h) with warning lamps installed on vehicle roof	
3. Test sample			
- Manufacturer	:	Haztec International Limited, Leeds	
- Type/Version	:	See Annex 2	
- date of receipt	:	4 December 2009	
- Identification no.	:	See Annex 2	
4. Test rig	adjustment	control	release
person responsible for	: js	: js	: js
result of this check	: ☒ in order	☐ not in order	
5. Other persons, participate in this test	: --		
6. Date and place of the test	: 8 December 2009, D-Papenburg		
7. Remarks	: Tests to show a rigid and safe fixation of the warning lamps up to a vehicle speed of 250 km/h		
8. Result of the test	: s. annex 2		
9. Person handling the test	: Dipl.-Ing. (FH) Jens Scharschön 		
10. Annexes			
1. Used equipment : --	5. Other *		
2. Results : 1 sheet	5.1 Shipping document : --		
3. Photograph * : 13 sheet			
4. List of the persons, working on this test : --			

*delete if not applicable

Annex 2, Sheet 1

1. General

Responsible person	Jens Scharschön ☎: +49 (0)221/806-1570
Test date	8 December 2009
Test track	ATP – Automotive Testing Papenburg; High-Speed-Oval
Weather condition / road condition	No rain; low wind; Temperature 6° - 8° C / damp
Test vehicle	Mercedes Benz CLS, Type 219
Test objects	Warning lamps with magnetic fixation base (diameter ca. 88 mm) to vehicle roof
Test object no. / Type / mass / Fixation to roof	09 058.4 178 / Impact C Beacon 3-3341-M / 0,7 kg / 1 magnetic fixation base 09 058.4 179 / Impact LP Beacon 3-3541 / 1 kg / 1 magnetic fixation base 09 058.4 180 / Mini bar 4-9942 / 2,8 kg / 4 magnetic fixation bases 09 058.4 181 / XP mini Lightbar 90-22000 / 3,35 kg / 4 magnetic fixation bases
Reason for testing	The tests were conducted to show a rigid and safe fixation of the warning lamps at vehicle speeds up to 250 km/h.

2. Tests

2.1 Test Specification

The test samples were installed behind the sun roof in the centre line of the vehicle and secured by wires. The roof panel was in a dry condition.

The initial positions of the magnetic fixation base(s) of the warning lamps were marked.

The tests were conducted with a speed of 250 km/h for a distance of 12,3 km.

Photographs were taken before and after the test.

2.2 Test Results

Test No.	Test object no.	Test Result	Remarks
1	09 058.4 178	Positive, no displacement of warning lamp	--
2	09 058.4 179	Positive, no displacement of warning lamp	--
3	09 058.4 180	Positive, no displacement of warning lamp	--
4	09 058.4 181	Positive, no displacement of warning lamp	Due to curvature of the vehicle roof the rear magnetic fixation bases have no full contact to the roof panel.

The tests are also valid for the following warning lamp types, which differ only in different voltages and colours, but have the same magnetic fixation, shell and mass:

Impact C Beacons 3-3XXX-XX-XX
Impact LP LED Beacons 3-354X-XX-XX
Ultra LED Minibars 4-99XX-X-X
XP Mini Lightbar Range 90-XXXXXX-XX-XX

Photograph – Test vehicle



Photograph – Test object 09 058.4 178



Photograph – pre Test 1



Photograph – after Test 1



Photograph – Test object 09 058.4 179



Photograph – pre Test 2



Photograph – after Test 2



Photograph – Test object 09 058.4 180



Photograph – pre Test 3



Photograph – after Test 3



Photograph – Test object 09 058.4 181



Photograph – pre Test 4



Photograph – after Test 4

