



TÜV SÜD Product Service, Octagon House,
Concorde Way, Segensworth North, Fareham,
Hampshire, United Kingdom, PO15 5RL
Tel: +44 (0) 1489 558100
Website: www.tuv-sud.co.uk

COMMERCIAL-IN-CONFIDENCE

STATEMENT OF TEST

CLIENT	Daniamant Limited Unit 3. The Admiral Park Airport Service Road Portsmouth, Hampshire United Kingdom PO3 5RQ	DOCUMENT	75950185 SoT 07 Issue 1
		CLIENT'S ORDER NUMBER	PC0002130, dated 25.05.2021

INCOMING RELEASE NOTE	Not Released
DATE OF RECEIPT	8 February 2021
EQUIPMENT UNDER TEST (EUT)	Liferaft Internal and External Light Unit
MODEL/PART NUMBERS(S)	RL7
SERIAL NUMBERS(S)	Sample № 31
TEST SPECIFICATION / ISSUE / DATE	EN 60945:1992 +A2:2013 Tables III, VIII and clauses 14.2.7 (IPX7) & 14.2.8 (IPX8).
DEVIATIONS FROM THE STANDARD	None
DATE OF TEST	11 and 12 February 2021

TEST(S) DESCRIPTION Protection Against the Ingress of Water by Immersion (IPX7 & IPX8)

The following test is required by the specification:

1. Weigh the unit before the test. Switch the unit to ON and confirm the light operates correctly (50 to 70 flashes per minute). The EUT is immersed in fresh water and is switched OFF during the test.
2. Test IPX7:
The unit temperature shall be within 5°C of the water temperature. Install the EUT into the pressure vessel and immerse the unit 1 m below the surface of fresh water and for a period of 30 min.
3. Test IPX8:
Install the EUT into the pressure vessel and immerse the unit below the surface of fresh water. Provide a positive pressure to that equivalent to an immersion at 5 m. Immersion shall be for a period of 30 min (minimum).
4. On completion of each test re-weigh the unit. Examine for any signs of water ingress. Confirm the light unit operates satisfactorily.

RESULT(S) OF TEST

The test requirements were satisfied for both tests. No water ingress was observed following a visual examination after each test. The weight of the unit was unchanged after each test, and the light unit operated correctly after each test (unchanged at 60 flashes per minute).

This certificate relates only to the actual item/items tested.

Further details of the tests are included in the full test report 75950185 Report 01.

Measurement Uncertainty Decision Rule

Determination of conformity with the specification limits is based on the decision rule according to IEC Guide 115:2007, clause 4.4.3 and 4.5.1.

Approved by

G M Stephens
Authorised Signatory

Date 27 May 2021

