

## TEST CERTIFICATE

**CLIENT:** TÜV SÜD Product Service  
Octagon House  
Concorde Way  
Fareham  
Hampshire  
PO15 5RL

**CERTIFICATE NUMBER** 21511/01 Issue 01

**CUSTOMER ORDER NUMBER** 2600015218

**TÜV REFERENCE** 75950185

**PAGE 1 of 2**

**DATE OF RECEIPT**

22 February 2021

**EQUIPMENT SUPPLIER**

Daniamant Ltd

**TEST ITEM(S)**

Description	Model №	Serial №	PTL ID
External Lifeboat Light	SL-400	Not Serialised	33569
Internal Lifeboat Light	SL-500	Not Serialised	33570

**TEST SPECIFICATION / ISSUE**

BS EN 60529:1992 +A2:2013 IP6X Category 1

**DATE OF TEST**

24 February 2020

**TEST(S) APPLIED**

Protection Against Solid Foreign Objects, Dust-Tight

Prior to the testing the two units were function tested as per the customers instructions by connecting a 24v power supply. The units performed satisfactorily; the SL400 repeatedly flashed at a rate of approximately 1 per second, the SL500 remained continuously on.

Initially the test items were examined for apertures and openings allowing penetration of a 1mm diameter probe applied with a force of 1N.

Prior to testing a 19.9 mbar vacuum was applied to each unit, the air flow was below measurable on both the SL400 & SL500, therefore a test period of 8 hours was required. Both units were tested simultaneously. The test conditions were as follows:

Dust Grade: BS EN 60529 Talc Test Dust

Concentration: 2 kg/m<sup>3</sup>

Duration: 8 hrs

Temperature/Humidity: 17.9°C / 46.8% rh



Particle Technology Ltd,  
 Station Yard Industrial Estate,  
 Hatton, Derbyshire,  
 DE65 5DU, United Kingdom  
 Tel: +44(0)1283 520365  
 www.particletechnology.com



## TEST CERTIFICATE

**CLIENT:** TÜV SÜD Product Service  
 Octagon House  
 Concorde Way  
 Fareham  
 Hampshire  
 PO15 5RL

**CERTIFICATE NUMBER** 21511/01 Issue 01

**CUSTOMER ORDER NUMBER** 2600015218

**TÜV REFERENCE** 75950185

**RESULT(S) OF TEST**

**PAGE 2 of 2**

IP6X

There were no apertures permitting entry with a 1mm diameter probe when using a force of 1N on either unit under test.

On completion of the test excess dust was removed by light brushing, no conspicuous damage was noticed on the exterior of either unit.

The units were powered prior to internal inspections, and the function checks are reported as satisfactory when a 24v power supply was applied; the SL400 repeatedly flashed at a rate of approximately 1 per second, the SL500 remained continuously on.

As per the customers instructions the units were opened for inspection. This involved a destructive method of removing the top cap of each unit. There was no visible dust ingress into either unit.

The SL-400 and SL-500 Lifeboat lights meets the requirements of BS EN 60529:1992 +A2:2013 IP6X Category 1.

Approved by .....  
 Greg Spicer, MEng  
 Managing Director  
 Date: 12 April 2021