

## TEST CERTIFICATE

**CLIENT:** Victory Lighting (UK) Limited  
Unit 3  
Eastman way  
Hemel Hempstead  
Hertfordshire  
HP2 7DU

**CERTIFICATE NUMBER** 11368/01 – Issue 1

**CUSTOMER ORDER NUMBER** 10930

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**DATE OF RECEIPT**

30 September 2013

**TEST ITEM(S)**

Description	Model Number	Serial Number
Infra-Red Patio Heater	HLW 15	Not Serialised

**TEST SPECIFICATION / ISSUE**

BS EN 60529, 1992, IP66 Category 1

**DATE OF TEST**

30 September – 01 October 2013

**TEST(S) APPLIED**

Protection against Solid Foreign Objects: Dust-tight

Initially the HLW 15 Patio Heater was examined for apertures and openings allowing penetration of a 1mm diameter probe applied with a force of 1N.

The Patio Heater was placed into the centre of a turbulent dust chamber. Prior to and during testing a vacuum of 19.9mbar was applied to the electrical enclosure on the unit, the airflow was below measurable therefore an 8 hour test was required. 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: 24 °C / 51% rh

Protection against Powerful Water Jets

The HLW 15 Patio Heater was placed into the water test area, it was allowed to temperature stabilise until the temperature differential between the water and the unit was less than 5°C.

During testing the unit was powered and operational. The unit was then subjected to water from all directions for a period of 3 minutes; the test conditions were as follows:

Flow rate: 100 l/min

Nozzle: IPX6 compliant

Duration: 3 minutes

Temp/Humidity: 16.5°C /65% rh

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### RESULT(S) OF TEST

#### IP6X

There were no apertures permitting entry with a 1mm diameter probe into the electrical enclosure when using a force of 1N.

On completion of the test excess dust was removed by light brushing to allow inspection. No conspicuous damage was noticed on the exterior of the unit, there was no visible dust ingress into the electrical enclosure of the Patio Heater.

#### IPX6

The HLW 15 patio heater remained powered and operational throughout the water testing.

On completion of the water test excess water was removed to allow inspection; there was no visible water ingress into the electrical enclosure of the Patio Heater.

### COMPLIANCE

The HLW 15 Infra-Red Patio Heater conforms to the standard required by BS EN 60529, 1992, IP66 Category 1.

### TEST PHOTOPGRAPHS



**Figure 1 – HLW 15 after IP6X dust test**



**Figure 2 - HLW 15 during IPX6 Water Test**



Approved by .....  
G J Spicer, MEng  
Technical Director

Date: 09 October 2013