

- INGRESS PROTECTION EVALUATION AND SELF DECLARATION -

Virtual Sun - A7 luminaire product

This document certifies that the product detailed above to which this declaration relates, conforms to the relevant parts of the following standard.

BS EN 60529:1992

Specification for degrees of protection provided by enclosures (IP code)

UNIT RATED TO IP54

IP54:

Describes the level of protection that the enclosure provides in preventing access to hazardous parts and the ingress of solid foreign objects larger than 1mm, and the protection of the equipment within the enclosure against ingress of water from below ceiling level.

The enclosure is also resistant to steam.

The above is evidenced by way of video footage and photographs (see below)

Notes:

Protection to IP44 is only guaranteed for a horizontal installation provided the outer edge of the enclosure's trim is sealed against a flat ceiling using a water resistant caulking agent.

For the test, water was sprayed directly against the enclosure from all angles for a period of 20 minutes.

Steam was directed at the unit using a wallpaper stripper placed approximately two feet from the enclosure for a period of 60 minutes.

Upon completion of both tests the unit was dismantled and checked for signs of water ingress. There were no indications of water penetrating the enclosure.

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Witnessed by: Sean Flynn, MSc, MIEE

Position: CTO



WATER SPRAY TEST

- Water sprayed onto enclosure for a period of 20 mins -



STEAM TEST

- Steam directed against enclosure for 60 mins -
(sample clips)

