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Kowloon, Hong Kong

Our reference: DIM-HW-22-T025

Issue date: 18 February 2022

The luminaire supplied by you was inspected on 16 February 2022 and the results were presented as follows;

Description of luminaire: "DIMON" LED Outdoor Spot Light F-SPAMY Series IP66 self-contained emergency Light

Complete set model: F-SPAMY-8W; F-SPAMY-9W; F-SPAMY-10W ;  
F-SPAMY-11W; F-SPAMY-12W; F-SPAMY-13W;  
F-SPAMY-14W; F-SPAMY-15W; F-SPAMY-16W;  
F-SPAMY-17W ; F-SPAMY-18W; F-SPAMY-19W;  
F-SPAMY-20W; F-SPAMY-21W; F-SPAMY-22W;  
F-SPAMY-23W; F-SPAMY-24W ; F-SPAMY-25W;  
F-SPAMY-26W; F-SPAMY-27W ; F-SPAMY-28W;  
F-SPAMY-29W; F-SPAMY-30W ; F-SPAMY-31W;  
F-SPAMY-32W; F-SPAMY-33W;F-SPAMY-34W;  
F-SPAMY-35W; F-SPAMY -35W ; F-SPAMY-36W ;  
F-SPAMY-37W; F-SPAMY-38W; F-SPAMY-39W;  
F-SPAMY-40W ; F-SPAMY-41W; F-SPAMY-42W;  
F-SPAMY-43W; F-SPAMY-44W; F-SPAMY-45W;  
F-SPAMY-46W; F-SPAMY-47W ; F-SPAMY-48W;  
F-SPAMY-49W; F-SPAMY-50W; F-SPAMY-51W;  
F-SPAMY-52W; F-SPAMY-53W; F-SPAMY-54W ;  
F-SPAMY-55W; F-SPAMY-56W; F-SPAMY-57W ;  
F-SPAMY-58W; F-SPAMY-59W; F-SPAMY-60W ;  
F-SPAMY -62W ; F-SPAMY-65W ;F-SPAMY-70W

Input: AC 220V +/-10% 50Hz

Power cables: The power cables extended outside the enclosure of the self-contained emergency luminaire

Case: The case is made of Aluminum Alloy and Glass diffuser

Investigations requested: Test on luminaire to comply with part B12 of FSD regulation PPA104 (5<sup>th</sup> revision) and B3 of FSD regulation PPA 104(A) (5<sup>th</sup> revision)

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## Test results

For the flammable parts of the luminaire, a small piece was cut out. The sample was placed in the hot-wire test chamber to carry out the hot wire test.

The hot wire test equipment we used complies with IEC60695-2-10:2013 and the test was carried out according to the procedures described in IEC60695-2-10:2013 with a hot wire temperature of 850°C.

Test results for flammable parts: The test sample ignited under the hot wire, but when the hot wire withdrew from the sample, the flame extinguished within 30 s. There were no burning drops falling down from the sample.

The luminaire passed the resistance to flame and ignition at a temperature of 850°C as stipulated in clause 13.3.2 of IEC 60598-1:2020, clause 22.16 of BS EN 60598-2-22:2014+A1:2020 and IEC60695-2-10:2013. The luminaire complied with relevant sections of BS 5266-1:2016 and BS EN 1838:2013 Therefore it passed part B12 of FSD regulation PPA104 (5<sup>th</sup> revision) and part B3 of FSD regulation PPA 104(A) (5<sup>th</sup> revision).



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This is to certify that the above test was conducted at the laboratory of Department of Building Environment and Energy Engineering of The Hong Kong Polytechnic University with reference to the Agreement signed by both parties.