



DIMON Technology Limited
Suite 14, 11/F, Cheung Hing Industrial Building
23 Tai Yip Street, Kwun Tong
Kowloon, Hong Kong

Our reference: DIM-HW-24-T046

Issue date: 1 November 2024

The luminaire supplied by you was inspected on 1 November 2024 and the results were presented as follows;

Description of luminaire: "DIMON" emergency luminaire

Complete set model: BOSCA-9W; BOSCA-10W; BOSCA-11W; BOSCA-12W;
BOSCA-13W; BOSCA-14W; BOSCA-15W; BOSCA-16W;
BOSCA-17W; BOSCA-18W; BOSCA-19W; BOSCA-20W;
BOSCA-21W; BOSCA-22W; BOSCA-23W; BOSCA-24W;
BOSCA-25W; BOSCA-26W; BOSCA-27W; BOSCA-28W;
BOSCA-29W; BOSCA-30W; BOSCA-31W; BOSCA-32W;
BOSCA-33W; BOSCA-34W; BOSCA-35W; BOSCA-36W;
BOSCA-37W; BOSCA-38W; BOSCA-39W; BOSCA-40W;
BOSCA-41W; BOSCA-42W; BOSCA-43W; BOSCA-44W;
BOSCA-45W; BOSCA-46W; BOSCA-47W; BOSCA-48W;
BOSCA-49W; BOSCA-50W; BOSCA-51W; BOSCA-52W;
BOSCA-53W; BOSCA-54W; BOSCA-55W; BOSCA-56W;
BOSCA-57W; BOSCA-58W; BOSCA-59W; BOSCA-60W;
BOSCA-61W; BOSCA-62W; BOSCA-63W; BOSCA-64W;
BOSCA-65W; BOSCA-66W; BOSCA-67W; BOSCA-68W;
BOSCA-69W; BOSCA-70W; BOSCA-71W; BOSCA-72W;
BOSCA-73W; BOSCA-74W; BOSCA-75W; BOSCA-76W;
BOSCA-77W; BOSCA-78W; BOSCA-79W; BOSCA-80W;
BOSCA-81W; BOSCA-82W; BOSCA-83W; BOSCA-84W;
BOSCA-85W; BOSCA-86W; BOSCA-87W; BOSCA-88W;
BOSCA-89W; BOSCA-90W

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

Case: The case is made of white coated formed steel body with plastic end covers and opal polycarbonate diffuser

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

DIM-HW-24-T046

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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 IEC60695-2-10:2021 and the test was carried out according to the procedures described in IEC60695-2-10:2021 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 IEC60695-2-10:2021. 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 (5th revision) and part B3 of FSD regulation PPA 104(A) (5th revision).



Dr Hilda Cheung Hiu Dan
Instructor

Department of Building Environment and Energy Engineering



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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.