



To,
Mr. David Ripper
Senior Metrology Engineer
Australian Energy Market Operator Ltd. (AEMO)
Melbourne, VIC 3000

Date: 17 August 2020

Subject: Submission to include 3 lights on the NEM Load Tables

Dear Mr. Ripper,

Advanced Lighting Technologies have been invited by **Queensland Rail** to seek the inclusion of **3 type of lights** in the NEM load table, for Unmetered Loads, as per their **attached** letter.

Accordingly, we have engaged the services of TUV Rheinland, a NATA accredited test laboratory, to verify the performance of our lights. We are pleased to confirm that the testing is successfully completed on a batch of ten test samples of each, for the 3 types of lights. We confirm that the units tested were as follows:

Luminaire Generic Name	Average Power (Watts)	Nominal Rating for NEM load table as per test report	TUV Test Report Number
XSPM SERIES LED LIGHT	58 Watts	57.86 Watts	60405539 001
XSP SERIES LED LIGHT	94 Watts	95.67 Watts	60405539 001
XSP SERIES LED LIGHT	128 Watts	127.77 Watts	60405539 001

The test report from TUV Australia has been submitted with this application. The test report contains details of 6 wattages, **but this customer has supported the application for 3 wattages only, which are listed above.**

The luminaires have a fixed output and it cannot be changed at site.

The products were tested without any control devices such as photocells.

The luminaire specification datasheets are submitted with this application.

The luminaire has internal identification labels and will also comply with the external markings as per Australian standards AS/NZS1158.6.

We hope that this information will meet with AEMO's approval, to accept the luminaires for inclusion in the NEM load table. However, if you have any queries or should you require any further information, please do not hesitate to contact the undersigned.

Yours Sincerely,

Rita Bagul
Senior Electrical Engineer