

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

Date: 30 June 2021

Subject: Submission to include **Lunio series LED lights** on the NEM Load Tables

Dear Mr. Ripper,

Advanced Lighting Technologies have been invited by **City of Holdfast Bay, South Australia** to seek the inclusion of **Lunio series LED 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 2 variations of these lights. We confirm that the units tested were as follows:

Luminaire Generic Name and	Model Number of tested products	Nominal Rating for NEM load table as per test report	TUV Test Report Number
<b>Lunio luminaire</b> (Tested without PE cell)	AL735230-C12-DALIAO	<b>35.958 Watts</b>	AU21VRXC 001 dated 17/6/2021. Page 4 of 11. Second tabulation.
<b>Lunio luminaire</b> Product was tested with a <b>Photo Electric (PE) cell.</b> Make <b>ALR Lighting Controls</b> , Model <b>SST-240</b>	AL735230 <b>R</b> -C12-DALIAO	<b>36.217 Watts</b>	AU21VRXC 001 dated 17/6/2021.  AU21VRXC 001 dated 17/6/2021. Page 4 of 11. First tabulation.

The test report from TUV Australia has been **submitted** with this application. The test report contains details of 2 variations of the same product, once tested without a PE (Photo Electric) cell and then with a PE cell.

When tested with the PE cell, the PE cell used and supplied to the customer was ALR Lighting Controls Make, with the model SST-240. The datasheet for the PE cell SST-240 is **submitted** this application.

Our customer has supported the application for both the variations, with and without the PE cells installed. Their letter of support is **submitted** this application.

The luminaire specification datasheets are submitted with this application. The datasheets indicate both the model numbers, with and without the PE cell.

The product coding nomenclature logic is **submitted** this application.



**Advanced**  
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The luminaires have a **fixed output** and there are no means of adjusting the wattage on the field.

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

