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23<sup>rd</sup> October 2023  
Australian Energy Market Operator  
Level 22, 530 Collins Street  
Melbourne VIC 3000  
GPO Box 2008  
Melbourne VIC 3001

**Attn: Mr. David Ripper, Senior Metrology Engineer**  
**Re: Submission to include the Thorlux Lighting Australasia– BRISA range in the National Electricity Market Load table**

Dear David,  
Thorlux Lighting Australasia request that the Thorlux Australasia – BRISA luminaires be granted approval for inclusion to the National Electricity Market Load Tables for Unmetered Loads. The total power consumption and configurations are listed in Table 1.

Table 1 - AEMO unmetered load table inclusions

Item No.	Product Description	Total Power consumption Watts	Power Factor	Test report no:
1.	BRISA 18 Watts Non- Dimming	16.58	0.918	230894LCP
2.	BRISA 18 Watt, NEMA socket	16.58	0.918	230894LCP
3.	BRISA 18 W, NEMA, CLASS II with SPD	16.58	0.918	230894LCP
4.	BRISA 47 Watts Non- Dimming	43.63	0.967	230895LCP
5.	BRISA 47 Watt, NEMA socket	43.63	0.967	230895LCP
6.	BRISA 47 W, NEMA, CLASS II with SPD	43.63	0.967	230895LCP

The BRISA series are high – performance post top luminaires specifically designed for Australia and New Zealand Road Lighting requirements and comply to AS/NZ 1158.6:2015 where applicable. The products listed above have different light distributions: LCN (Medium Road), LCM Area Asymmetrical, LCA3 Narrow Road using different lens which are electrically identical.

Our submission is supported with the following documents:

1. Supporting Letter
2. LedLab laboratory test reports as per Table 1
3. Product datasheet

We trust this submission meets your approval requirements. Please dont hesitate to contact me if you require further information.

Regards,

**Antoo Varghese**  
Technical Manager