



ACCREDITATION
No. 1700

Accreditation for compliance
with ISO/IEC 17025
Technical Competence - Testing



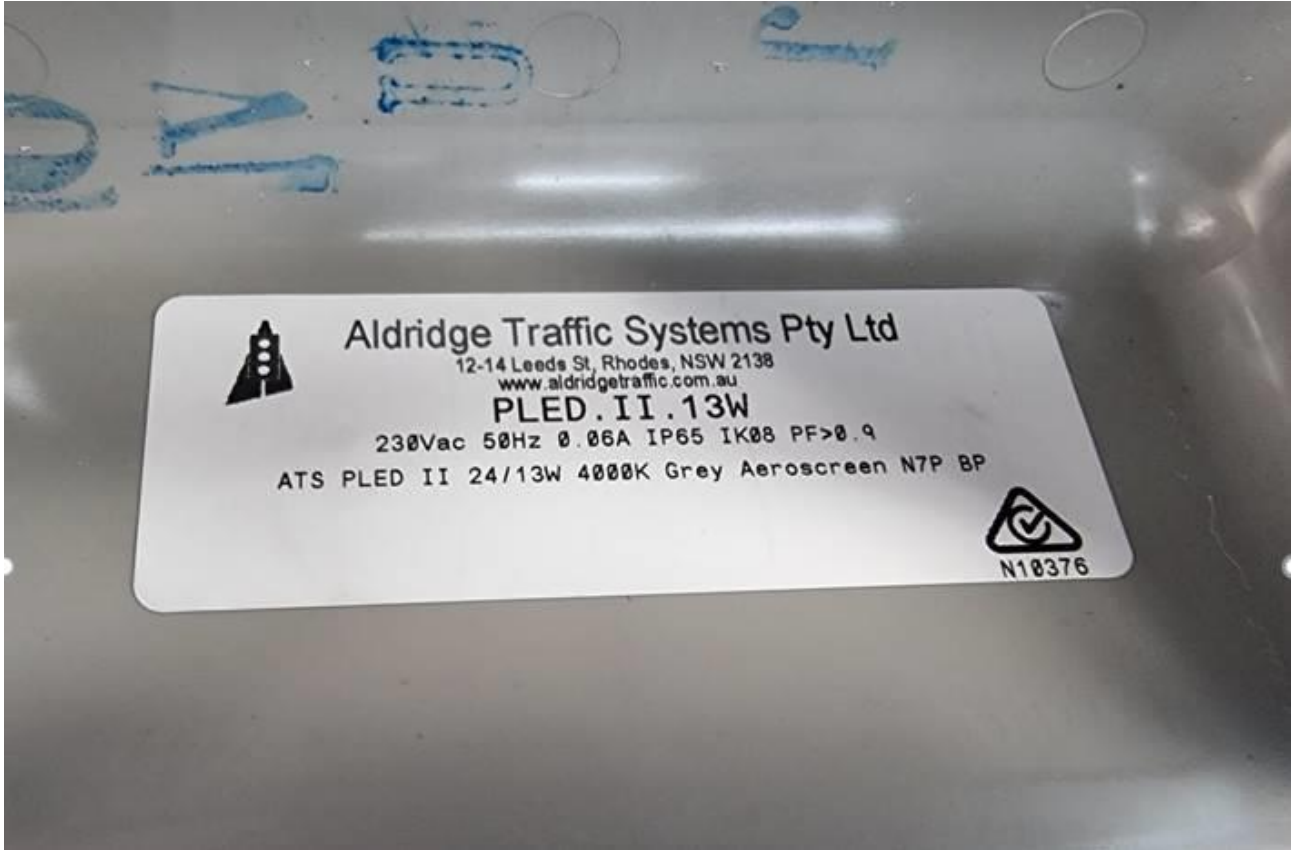
Test report - Products
Prüfbericht - Produkte

Test Report No.: <i>Prüfbericht-Nr.:</i>	AU21BD7I 001	Order No.: <i>Auftrags-Nr.:</i>	252103297	Page 1 of 7 <i>Seite 1 von 7</i>	
Client Reference No.: <i>Kunden-Referenz-Nr.:</i>	2071295	Order date: <i>Auftragsdatum:</i>	01-Apr-2021		
Client: <i>Auftraggeber:</i>	Aldridge Traffic Systems P/L 12-14 Leeds St, Rhodes, NSW 2138, Australia				
Test item: <i>Prüfgegenstand:</i>	LED Street Light				
Identification / Type No.: <i>Bezeichnung / Typ-Nr.:</i>	PLED.II.13W				
Order content.: <i>Auftrags-Inhalt:</i>	Lamp Circuit Power (LCP) Measurement				
Test specification: <i>Prüfgrundlage:</i>	Refer to page 2				
Date of sample receipt: <i>Wareneingangsdatum:</i>	01-Apr-2021				
Test sample No.: <i>Prüfmuster-Nr.:</i>	A003026727-001 to A003026727-010				
Testing period: <i>Prüfzeitraum:</i>	01-Apr-2021 to 07-Apr-2021				
Place of testing: <i>Ort der Prüfung:</i>	TUV Rheinland Australia Pty Ltd				
Testing laboratory: <i>Prüflaboratorium:</i>	TUV Rheinland Australia Pty Ltd				
Test result*: <i>Prüfergebnis*:</i>	Samples were submitted for measurement only, no compliance limits				
reviewed by / überprüft von:		authorized by / genehmigt von:			
08-Apr-2021	Sathvik Varma P. / Test Engineer	08-Apr-2021	Daniel Ngo / Reviewer		
Date <i>Datum</i>	Name / Position <i>Name / Stellung</i>	Signature <i>Unterschrift</i>	Date <i>Datum</i>	Name / Position <i>Name / Stellung</i>	Signature <i>Unterschrift</i>
Other / Sonstiges:					
- Power consumption measurement at rated voltage for AEMO (Australian Energy Market Operator) at lab condition (Ambient (20±5)°C, Relative Humidity (45–75)%).					
Condition of the test item at delivery: <i>Zustand des Prüfgegenstandes bei Anlieferung:</i>		New samples, no damage			
* Legend:	P(ass) = passed a.m. test specification(s)	F(ail) = failed a.m. test specification(s)	N/A = not applicable	N/T = not tested	
Legende:	P(ass) = entspricht o.g. Prüfgrundlage(n)	F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	N/A = nicht anwendbar	N/T = nicht getestet	
This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark. <i>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.</i>					

Test Report				
General remarks:				
<p>1. This report shall not be reproduced, except in full.</p> <p>2. Details in test data / test plan no. 252103297.</p> <p>3. Reporting of results herein is in accordance with NATA recommendations taking into account U of M.</p> <p style="padding-left: 20px;">(a) For minimum limits - Where measurement is on the limit or above the limit it is deemed to comply. Where measurement is below the limit it is deemed not to comply.</p> <p style="padding-left: 20px;">(b) For maximum limits - Where measurement is on the limit or below the limit it is deemed to comply. Where measurement is above the limit it is deemed not to comply.</p> <p>4. For reporting of results the estimated uncertainty for measurement taken into account at 95% confidence level.</p> <p>5. This test report is based on assessment and tests applied to the specific test item(s) as submitted by the client.</p> <p>6. TÜV Rheinland Australia disclaims any and all responsibility or obligation for any other item.</p> <p>7. LCP test was conducted on 10 fittings as per requested schemes</p>				
Description of the test item:				
<p>Test items are branded: Aldridge Traffic Systems Pty Ltd.</p> <p>Model / type number: PLED.II.13W; Ratings: 230Vac, 50 Hz, 0.06A, 13W, IP65, IK08, pf>0.9.</p> <p>Lamp control gear: MEANWELL; Model Number: LPF-16D-36; Input: 100-240Vac, 50/60Hz, 0.4A, 16.2W, pf=0.95; Output: 36Vdc, 0.45A; t_A: 50°C t_c: 70°C.</p>				
Options/accessories/ancillary equipment:				
The equipment was tested without any optional accessory installed. Hence, this report does not cover parameters that are influenced by the installation of optional accessory that might affect safety in the meaning of this standard.				
Uncertainty of equipment used:				
Equipment	Equipment No.	Range used	Uncertainty	Calibration Due Date
Digital Power Meter Model: WT210	MEL-1400	Voltage: 240V - 300V	±0.07V	23-Mar-2022
		Current: 100mA	±0.06mA	
		Power: 0.46W-4.6kW	±0.002W	
		Power Factor: 1	±0.001pf	
Test procedure:				
<p>The submitted test samples (consisted of the supplied lamp and control gear combination, if applicable) for the lamp circuit power consumption measurement were placed in a draught free room and at the laboratory condition (Ambient (20±5)°C, Relative Humidity (45–75)%) for 24 hours before and during the measurement. The test samples were connected to the power source and supplied with voltage and frequency as listed in "TABLE: Power Measurement". The test samples were operated until the conditions of overall temperature equilibrium were established or at least 4 hours in stabilized operation with the supplied sources. Then the total power consumption measurements have been taken by power meter.</p>				

	Test Item	Supplied Voltage (V)	Frequency (Hz)	Measured Input Power (W)	Measured Input Current (mA)	Power Factor
1	PLED.II.13W	250.34	50	13.248	56.3	0.9401
2	PLED.II.13W	250.16	50	13.338	56.78	0.9390
3	PLED.II.13W	250.08	50	13.258	56.46	0.9390
4	PLED.II.13W	250.00	50	13.221	56.27	0.9398
5	PLED.II.13W	250.11	50	13.222	56.27	0.9394
6	PLED.II.13W	250.19	50	13.338	56.65	0.9411
7	PLED.II.13W	250.04	50	13.246	56.42	0.9389
8	PLED.II.13W	250.07	50	13.158	56.04	0.9389
9	PLED.II.13W	250.04	50	13.241	56.45	0.9381
10	PLED.II.13W	250.04	50	13.369	56.89	0.9398
Average		250.107	50	13.264	56.453	0.9394

Markings



Rating label



LED driver label

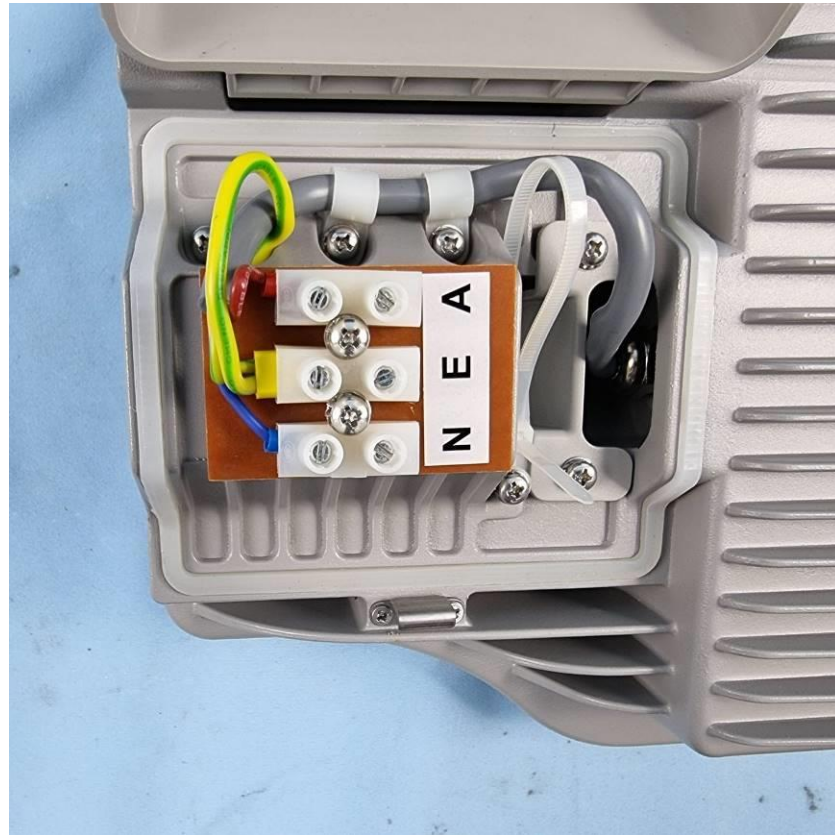
Photos



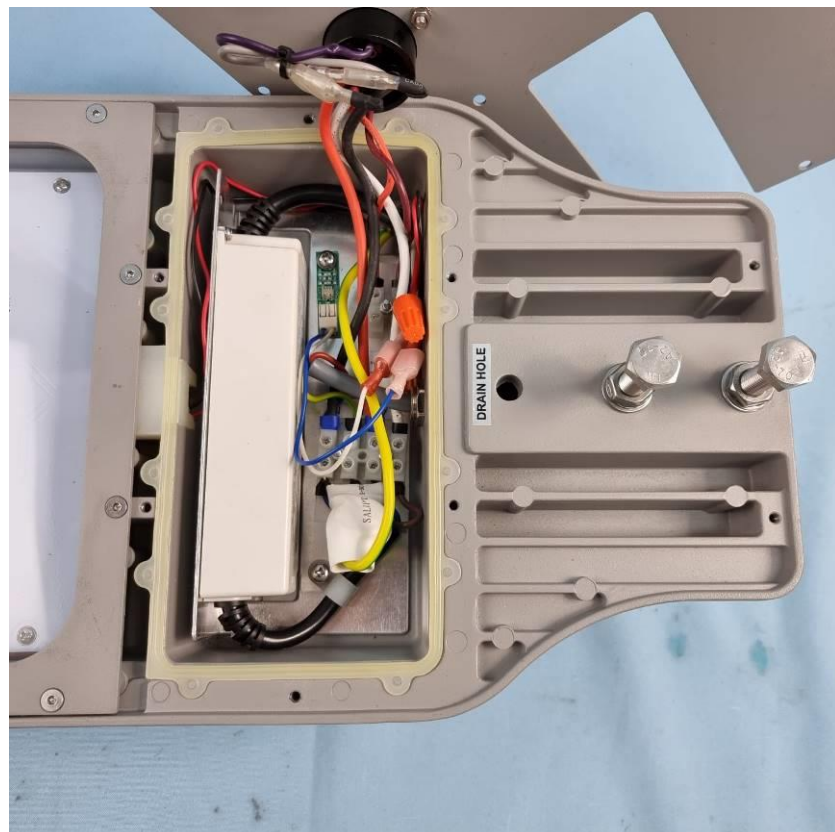
Product overview



Product overview



Supply terminal block



Electrical Connection Compartment



LEDs overview

End of the Test Report