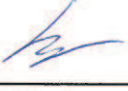



Test Report No.: <i>Prüfbericht - Nr.:</i>		50152674 001		Page 1 of 8 Seite 1 von 8	
Client: <i>Auftraggeber:</i>		Aldridge Traffic Systems Pty Ltd 12 – 14 Leeds Street, Rhodes, NSW 2138, Australia			
Test item: <i>Gegenstand der Prüfung:</i>		LED Street Light			
Identification: <i>Bezeichnung:</i>		FU.S.100W	Serial No.: <i>Serien-Nr.:</i>	N/A	
Receipt No.: <i>Wareneingangs-Nr.:</i>		1113010344	Date of receipt: <i>Eingangsdatum:</i>	2018-06-05	
Condition of test item at delivery: <i>Zustand des Prüfgegenstandes bei Anlieferung:</i>		Production sample			
Testing location: <i>Prüfart:</i>		TÜV Rheinland Australia Pty. Ltd. 182 Dougharty Road, Heidelberg West, VIC 3081, Australia			
Test specification: <i>Prüfgrundlage:</i>		-			
Test Result: <i>Prüfergebnis:</i>		The item was supplied for results only with no compliance limits. Das Objekt wurde nur für Ergebnisse geliefert, ohne Konformitätsgrenzen.			
Testing Laboratory/ <i>Prüflaboratorium:</i>		TÜV Rheinland Australia Pty. Ltd. 182 Dougharty Road, Heidelberg West, VIC 3081, Australia			
Compiled by/ <i>zusammengestellt:</i>			Reviewed by/ <i>kontrolliert:</i>		
<i>13-Jun-2018</i>	Daniel Ngo/ Project Engineer		<i>13-Jun-2018</i>	Grant Li/ 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 Aspects/ <i>Sonstiges:</i>					
- Power consumption measurement at rated voltage for AEMO (Australian Energy Market Operator) at lab condition (Ambient (20±5)°C, Relative Humidity (45–75)%).					
Abkürzungen: <i>P(ass) = entspricht Prüfgrundlage</i> <i>F(ail) = entspricht nicht Prüfgrundlage</i> <i>N/A = nicht anwendbar</i> <i>N/T = nicht getestet</i>			Abbreviations: <i>P(ass) = passed</i> <i>F(ail) = failed</i> <i>N/A = not applicable</i> <i>N/T = not tested</i>		
This test report 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 safety mark on this or similar products. 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.					

Revision 5.0

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Technical Competence



Test Report

General remarks:

1. This report shall not be reproduced, except in full.
2. Details in test data / test plan no. 1113010344
3. Reporting of results herein is in accordance with NATA recommendations taking into account U of M.
 - (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.
 - (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.
4. For reporting of results the estimated uncertainty for measurement taken into account at 95% confidence level.
5. This test report is based on assessment and tests applied to the specific test item(s) as submitted by the client.
6. TÜV Rheinland Australia disclaims any and all responsibility or obligation for any other item.
7. LCP test was conducted on 10 fittings per requested schemes.

Description of the test item:

Test items are branded: **Aldridge Traffic Systems Pty Ltd**

Model / type number: **FU.S.100W**; Rating: 240VAC 50/60Hz 100W, IP66, IK09, Class I. Lamp control gear: Mean Well; Model Number: ELG-100-42A; Input: 100-240VAC, 1.1A, 50/60Hz, $\lambda = 0.95$; Output: 42VDC 95.76W 2.28A (Input: 200-240VAC); 70W 1.67A (Input: 100-200VAC); Rating: t_a : 60°C t_c : 90°C, IP65.

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: WT310	MEL-1464	Voltage: 1.5V-600V	±0.4	11-Oct-2018
		Current: 20A	±0.5	
		Power: 100W	±0.5	
		Power Factor: 0.8 - 1	±0.8	

Test procedure:

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.

	Test Item	Supplied Voltage (V)	Frequency (Hz)	Measured Power (W)	Measured Current (mA)	Power Factor
1	FU.S.100W 240VAC	220	50	93.13	431.37	0.9811
		230	50	93.01	411.82	0.9779
		240	50	92.97	396.85	0.9747
2	FU.S.100W 240VAC	220	50	94.37	436.43	0.9811
		230	50	94.35	419.16	0.9784
		240	50	94.35	402.99	0.9750
3	FU.S.100W 240VAC	220	50	92.73	428.59	0.9808
		230	50	92.46	410.64	0.9779
		240	50	92.32	394.09	0.9742
4	FU.S.100W 240VAC	220	50	93.41	432.85	0.9808
		230	50	93.40	414.63	0.9776
		240	50	93.51	399.63	0.9744
5	FU.S.100W 240VAC	220	50	94.86	437.55	0.9826
		230	50	94.53	419.02	0.9797
		240	50	94.36	402.03	0.9765
6	FU.S.100W 240VAC	220	50	93.54	432.45	0.9817
		230	50	93.55	415.26	0.9788
		240	50	93.67	398.52	0.9756
7	FU.S.100W 240VAC	220	50	94.89	437.52	0.9823
		230	50	94.59	419.03	0.9793
		240	50	94.40	401.90	0.9759
8	FU.S.100W 240VAC	220	50	93.45	431.62	0.9815
		230	50	93.41	414.63	0.9790
		240	50	93.53	398.82	0.9756
9	FU.S.100W 240VAC	220	50	93.26	431.38	0.9814
		230	50	92.98	412.72	0.9785
		240	50	92.78	396.25	0.9750

10	FU.S.100W 240VAC	220	50	93.53	432.97	0.9813
		230	50	93.53	415.57	0.9785
		240	50	93.67	399.27	0.9749

Marking



Rating Label



LED Driver Label

Photos



Back View



Front View



Side View



LEDs Overview



Control Gear Compartment
End of the Test Report