



Test Report No.:		50155971 001		Page 1 of 8	
<i>Prüfbericht - Nr.:</i>				<i>Seite 1 von 8</i>	
Client:		Aldridge Traffic Systems Pty Ltd			
<i>Auftraggeber:</i>		12 – 14 Leeds Street, Rhodes, NSW 2138, Australia			
Test item:		LED Street Light with PE cell			
<i>Gegenstand der Prüfung:</i>					
Identification:		V21675WT5N7P	Serial No.:	N/A	
<i>Bezeichnung:</i>			<i>Serien-Nr.:</i>		
Receipt No.:		1113010374	Date of receipt:	2018-06-14	
<i>Wareneingangs-Nr.:</i>			<i>Eingangsdatum:</i>		
Condition of test item at delivery:		Production sample			
<i>Zustand des Prüfgegenstandes bei Anlieferung:</i>					
Testing location:		TÜV Rheinland Australia Pty. Ltd.			
<i>Prüfart:</i>		182 Dougharty Road, Heidelberg West, VIC 3081, Australia			
Test specification:		-			
<i>Prüfgrundlage:</i>					
Test Result:		The item was supplied for results only with no compliance limits.			
<i>Prüfergebnis:</i>		Das Objekt wurde nur für Ergebnisse geliefert, ohne Konformitätsgrenzen.			
Testing Laboratory/		TÜV Rheinland Australia Pty. Ltd.			
<i>Prüflaboratorium:</i>		182 Dougharty Road, Heidelberg West, VIC 3081, Australia			
Compiled by/ zusammengestellt:			Reviewed by/kontrolliert:		
<i>18-Jun-2018</i>	Daniel Ngo/ Project Engineer		<i>18-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/ Sonstiges:					
- Power consumption measurement at rated voltage for AEMO (Australian Energy Market Operator) at lab condition (Ambient (20±5)°C, Relative Humidity (45–75)%).					
Abkürzungen: P(ass) = entspricht Prüfgrundlage F(ail) = entspricht nicht Prüfgrundlage N/A = nicht anwendbar N/T = nicht getestet			Abbreviations: P(ass) = passed F(ail) = failed N/A = not applicable N/T = not tested		
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. 1113010374.
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 light fittings with PE cells per requested schemes.

Description of the test item:

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

Model / type number: **V21675WT5N7P**; Rating: 230VAC 50Hz 0.35A 75W, IP65, IK06, CCT: 4200K, Class I. Lamp control gear: Mean Well; Model Number: HLG-185H-54B; Input: 100-240VAC 2.1A 50/60Hz, $\lambda = 0.95$; Output: 54VDC 3.45A 186.3W; Rating: t_a : 60°C t_c : 90°C, IP67. PE cell: Tyco Electronics; Model Number: 8090-VFS; Rating: 105-305VAC 50/60Hz 1000W/1800VA.

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	Light Fitting V21675WT5N7P with PE cell	220	50	74.35	371.37	0.9096
		230	50	74.44	360.38	0.8980
		240	50	74.51	350.46	0.8857
2	Light Fitting V21675WT5N7P with PE cell	220	50	73.87	369.16	0.8857
		230	50	74.01	358.43	0.9093
		240	50	74.18	349.22	0.8975
3	Light Fitting V21675WT5N7P with PE cell	220	50	71.17	357.59	0.9045
		230	50	71.30	347.25	0.8926
		240	50	71.43	338.52	0.8794
4	Light Fitting V21675WT5N7P with PE cell	220	50	75.13	373.84	0.9134
		230	50	75.27	362.48	0.9024
		240	50	75.39	352.63	0.8907
5	Light Fitting V21675WT5N7P with PE cell	220	50	74.57	372.73	0.9093
		230	50	74.65	361.45	0.8979
		240	50	74.78	351.74	0.8859
6	Light Fitting V21675WT5N7P with PE cell	220	50	73.90	369.90	0.9081
		230	50	74.04	358.94	0.8970
		240	50	74.18	349.65	0.8838
7	Light Fitting V21675WT5N7P with PE cell	220	50	73.32	367.41	0.9070
		230	50	73.42	356.35	0.8955
		240	50	73.56	347.02	0.8834
8	Light Fitting V21675WT5N7P with PE cell	220	50	74.34	371.62	0.9091
		230	50	74.48	360.64	0.8979
		240	50	74.66	351.05	0.8860
9	Light Fitting V21675WT5N7P with PE cell	220	50	73.27	367.01	0.9071
		230	50	73.36	355.85	0.8960
		240	50	73.49	346.39	0.8839

10	Light Fitting V21675WT5N7P with PE cell	220	50	75.48	377.19	0.9097
		230	50	75.61	366.08	0.8977
		240	50	75.75	356.04	0.8864

Marking



Rating Label

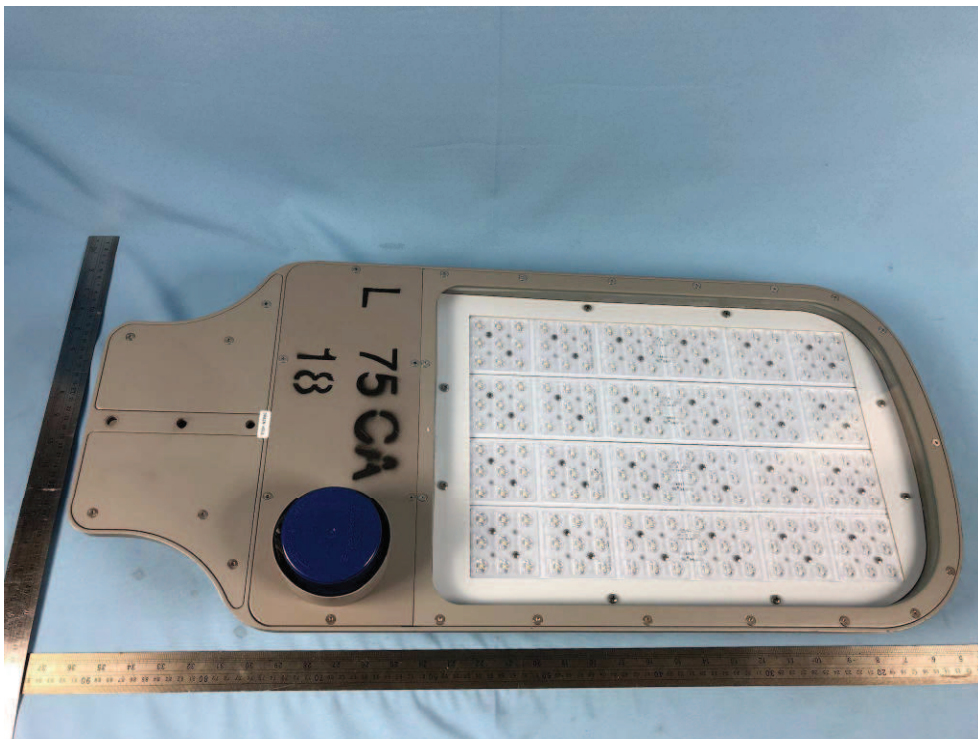


LED Driver Label

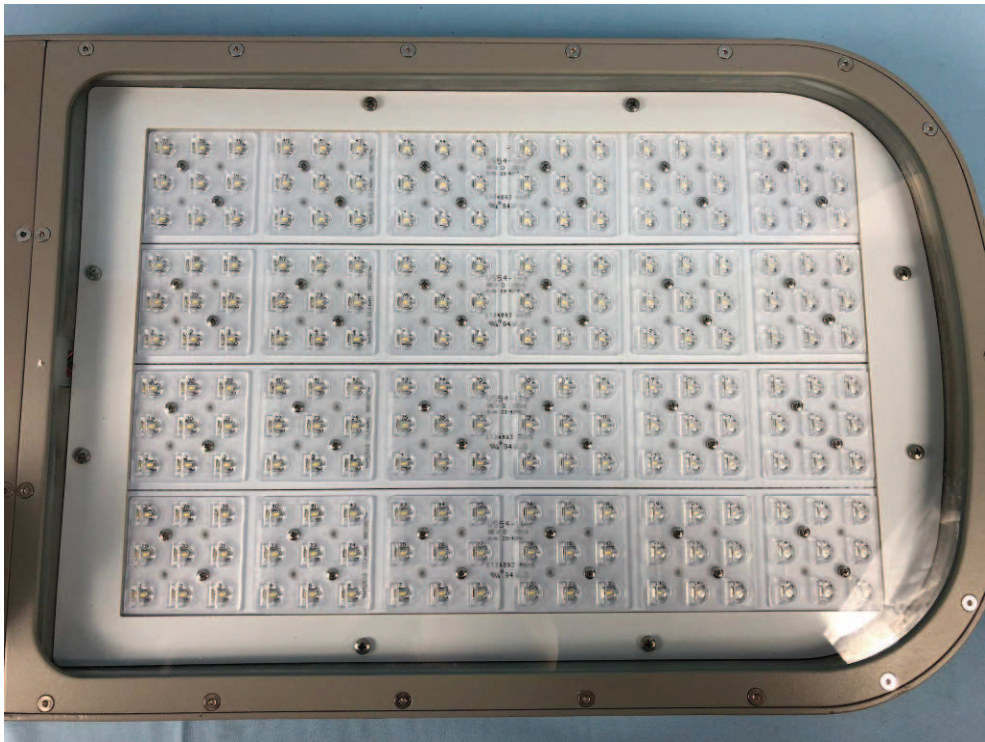
Photos



Back View



Front View



LEDs Overview



Control Gear Compartment



PE cell - front view



PE cell – back view
End of the Test Report