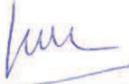


<b>Test Report No.:</b> <i>Prüfbericht - Nr.:</i>		<b>50044520 001</b>		<b>Page 1 of 8</b> Seite 1 von 8	
<b>Client:</b> <i>Auftraggeber:</i>		<b>Aldridge Traffic Systems Pty Ltd</b> 31 Brisbane Street, Eltham, VIC 3095, Australia			
<b>Test item:</b> <i>Gegenstand der Prüfung:</i>		<b>AERO P-LED</b>			
<b>Identification:</b> <i>Bezeichnung:</i>		<b>P2430WSCD2P</b>	<b>Serial No.:</b> Serien-Nr.:	<b>N/A</b>	
<b>Receipt No.:</b> <i>Wareneingangs-Nr.:</i>		<b>1113008804</b>	<b>Date of receipt:</b> Eingangsdatum:	<b>19/05/2016</b>	
<b>Condition of test item at delivery:</b> <i>Zustand des Prüfgegenstandes bei Anlieferung:</i>		<b>Production sample</b>			
<b>Testing location:</b> <i>Prüfart:</i>		<b>TÜV Rheinland Australia Pty. Ltd.</b> 182 Dougharty Road, Heidelberg West, VIC 3081, Australia			
<b>Test specification:</b> <i>Prüfgrundlage:</i>		<b>-</b>			
<b>Test Result:</b> <i>Prüfergebnis:</i>		<b>The item was supplied for results only with no compliance limits.</b> Das Objekt wurde nur für Ergebnisse geliefert, ohne Konformitätsgrenzen.			
<b>Testing Laboratory/</b> <i>Prüflaboratorium:</i>		<b>TÜV Rheinland Australia Pty. Ltd.</b> 182 Dougharty Road, Heidelberg West, VIC 3081, Australia			
<b>Compiled by/ zusammengestellt:</b>		<b>Reviewed by/kontrolliert:</b>			
<i>25 May 2016</i>	Brian Do/ Engineer		<i>25/05/2016</i>	Fereshteh Zamani/ Reviewer	
<b>Date</b> <i>Datum</i>	<b>Name/Position</b> <i>Name/Stellung</i>	<b>Signature</b> <i>Unterschrift</i>	<b>Date</b> <i>Datum</i>	<b>Name/Position</b> <i>Name/Stellung</i>	<b>Signature</b> <i>Unterschrift</i>
<b>Other Aspects/ Sonstiges:</b>					
- Power consumption measurement at rated voltage for AEMO (Australian Energy Market Operator) at lab condition (Ambient (20±5)°C, Relative Humidity (45–75)%).					
<b>Abkürzungen:</b>		<i>P(ass) = entspricht Prüfgrundlage</i>	<b>Abbreviations:</b>		<i>P(ass) = passed</i>
		<i>F(ail) = entspricht nicht Prüfgrundlage</i>			<i>F(ail) = failed</i>
		<i>N/A = nicht anwendbar</i>			<i>N/A = not applicable</i>
		<i>N/T = nicht getestet</i>			<i>N/T = not tested</i>
<p>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.</p> <p>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.</p>					

Revision 5.0

Accredited for compliance  
with ISO/IEC 17025  
Technical Competence



Test Report				
<b>Test item particulars:</b>				
<b>Model</b>	<b>Approx. Dimension (mm): LxWxH</b>		<b>Mass (kg)</b>	
P2430WSCD2P	580 x 280 x 160		7	
<b>General remarks:</b>				
<p>1. This report shall not be reproduced, except in full.</p> <p>2. Details in test data / test plan no. 1113008804.</p> <p>3. Reporting of results herein is in accordance with NATA recommendations taking into account U of M.</p> <p>(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>(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>				
<b>Description of the test item:</b>				
Trade name: <b>Aldridge Traffic Systems Pty Ltd</b>				
Model / type number: <b>P2430WSCD2P</b> . Rating: <b>230 Vac, 50 Hz, 0.13 A, IP65, IK06, ATS Aero PLED 24/30W Semi cut off 4200K D2 Grey</b> . Internal LED Driver ( <b>LPF-40D-36</b> ) and LED module. Totally <b>4x 6</b> of LEDs modules are mounted.				
<b>Options/accessories/ancillary equipment:</b>				
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.				
<b>Uncertainty of equipment used:</b>				
Equipment	Equipment No.	Range used	Uncertainty (%)	Calibration Due Date
Digital Power Meter Model: WT310	MEL-1464	Voltage: 1.5V-600V	±0.4	19 Oct, 2016
		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  $(20\pm 5)^{\circ}\text{C}$ , 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.

	<b>TABLE: Power Measurement</b>				-
Test Item	Supplied Voltage (V)	Supplied Frequency (Hz)	Measured Power (W)	Measured Current (mA)	Power Factor (PF)
PT1113008804-1-1	220	50	30.26	144.70	0.9474
	230	50	30.27	139.98	0.9403
	240	50	30.31	135.29	0.9313
PT1113008804-2-1	220	50	31.62	151.67	0.9493
	230	50	31.64	145.99	0.9410
	240	50	31.66	141.42	0.9324
PT1113008804-3-1	220	50	29.93	143.79	0.9451
	230	50	29.99	138.68	0.9370
	240	50	29.98	134.46	0.9290
PT1113008804-4-1	220	50	29.53	141.95	0.9441
	230	50	29.56	137.18	0.9372
	240	50	29.64	132.67	0.9276
PT1113008804-5-1	220	50	30.18	144.87	0.9456
	230	50	30.19	139.98	0.9381
	240	50	30.21	135.08	0.9277
PT1113008804-6-1	220	50	32.55	155.15	0.9532
	230	50	32.58	149.74	0.9454
	240	50	32.66	145.16	0.9383
PT1113008804-7-1	220	50	30.66	147.62	0.9425
	230	50	30.66	142.71	0.9342
	240	50	30.60	137.85	0.9244
PT1113008804-8-1	220	50	29.66	142.28	0.9468
	230	50	29.69	137.58	0.9393
	240	50	29.71	132.93	0.9292
PT1113008804-9-1	220	50	30.69	147.13	0.9472
	230	50	30.67	142.11	0.9390
	240	50	30.67	137.45	0.9303
PT1113008804-10-1	220	50	30.17	144.65	0.9454
	230	50	30.17	139.85	0.9382
	240	50	30.20	135.44	0.9284

TABLE: Power Measurement				-
Test item	Supplied Voltage (V)	Average Current (mA)	Average Power (W)	Average Power Factor (PF)
	220	145.46	30.53	0.9467
	230	141.38	30.54	0.9390
	240	137.70	30.56	0.9299

**Marking**



Rating label

**Photos**



Top view



Side view



Back view



Bottom view



Driver

End of the Test Report