



ACCREDITATION  
No. 1700

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



Test report - Products  
Prüfbericht - Produkte

<b>Test Report No.:</b> <i>Prüfbericht-Nr.:</i>	<b>AU210K27 001</b>	<b>Order No.:</b> <i>Auftrags-Nr.:</i>	<b>252103203</b>	<b>Page 1 of 7</b> <i>Seite 1 von 7</i>	
<b>Client Reference No.:</b> <i>Kunden-Referenz-Nr.:</i>	<b>2071295</b>	<b>Order date:</b> <i>Auftragsdatum:</i>	<b>12-Feb-2021</b>		
<b>Client:</b> <i>Auftraggeber:</i>	<b>Aldridge Traffic Systems P/L</b> 12-14 Leeds St, Rhodes, NSW 2138, Australia				
<b>Test item:</b> <i>Prüfgegenstand:</i>	<b>LED Flood Light</b>				
<b>Identification / Type No.:</b> <i>Bezeichnung / Typ-Nr.:</i>	<b>FU.M.150W.T1.N7P</b>				
<b>Order content.:</b> <i>Auftrags-Inhalt:</i>	<b>Lamp Circuit Power (LCP) Measurement</b>				
<b>Test specification:</b> <i>Prüfgrundlage:</i>	<b>Refer to page 2</b>				
<b>Date of sample receipt:</b> <i>Wareneingangsdatum:</i>	<b>25-Mar-2021</b>				
<b>Test sample No.:</b> <i>Prüfmuster-Nr.:</i>	<b>A003026648-001 to A003026648-010</b>				
<b>Testing period:</b> <i>Prüfzeitraum:</i>	<b>06-Apr-2021 to 08-Apr-2021</b>				
<b>Place of testing:</b> <i>Ort der Prüfung:</i>	<b>TUV Rheinland Australia Pty Ltd</b>				
<b>Testing laboratory:</b> <i>Prüflaboratorium:</i>	<b>TUV Rheinland Australia Pty Ltd</b>				
<b>Test result*:</b> <i>Prüfergebnis*:</i>	<b>Samples were submitted for measurement only, no compliance limits</b>				
<b>reviewed by / überprüft von:</b>		<b>authorized by / genehmigt von:</b>			
08-Apr-2021	Sathvik Varma P. / Test Engineer	08-Apr-2021	Daniel Ngo / 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 / 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>Condition of the test item at delivery:</b> <i>Zustand des Prüfgegenstandes bei Anlieferung:</i>		<b>New samples, no damage</b>			
* 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	
<b>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.</b> <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				
<b>General remarks:</b>				
1. This report shall not be reproduced, except in full. 2. Details in test data / test plan no. 252103203. 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 as per requested schemes				
<b>Description of the test item:</b>				
Test items are branded: <b>Aldridge Traffic Systems Pty Ltd.</b> Model / type number: <b>FU.M.150W.T1.N7P</b> ; Ratings: 240Vac, 50/60Hz, 150W, IP66, IK09. Lamp control gear: <b>MEANWELL</b> ; Model Number: <b>ELG-150-48A</b> ; Input: 100-240Vac, 50/60Hz, 1.7A, pf=0.95; Output: 48Vdc, 3.13A, P=150.2W; $t_A$ : 55°C $t_c$ : 90°C.				
<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: WT210	MEL-1400	Voltage: 240V - 300V	±0.07V	23-Mar-2022
		Current: 1A	±0.0006A	
		Power: 0.46W-4.6kW	±0.002W	
		Power Factor: 1	±0.001pf	
<b>Test procedure:</b>				
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 Input Power (W)	Measured Input Current (A)	Power Factor
1	FU.M.150W.T1.N7P	250.10	50	143.27	0.5817	0.9848
2	FU.M.150W.T1.N7P	250.22	50	141.31	0.5736	0.9846
3	FU.M.150W.T1.N7P	250.14	50	142.83	0.5794	0.9854
4	FU.M.150W.T1.N7P	250.01	50	139.66	0.5677	0.9839
5	FU.M.150W.T1.N7P	250.22	50	144.08	0.5845	0.9851
6	FU.M.150W.T1.N7P	250.12	50	141.43	0.5742	0.9848
7	FU.M.150W.T1.N7P	250.17	50	143.54	0.5828	0.9845
8	FU.M.150W.T1.N7P	250.12	50	144.24	0.5851	0.9857
9	FU.M.150W.T1.N7P	250.02	50	142.80	0.5800	0.9847
10	FU.M.150W.T1.N7P	250.12	50	145.69	0.5909	0.9857
<b>Average</b>		<b>250.124</b>	<b>50</b>	<b>142.885</b>	<b>0.57999</b>	<b>0.9849</b>

### Markings



Rating label



LED driver label

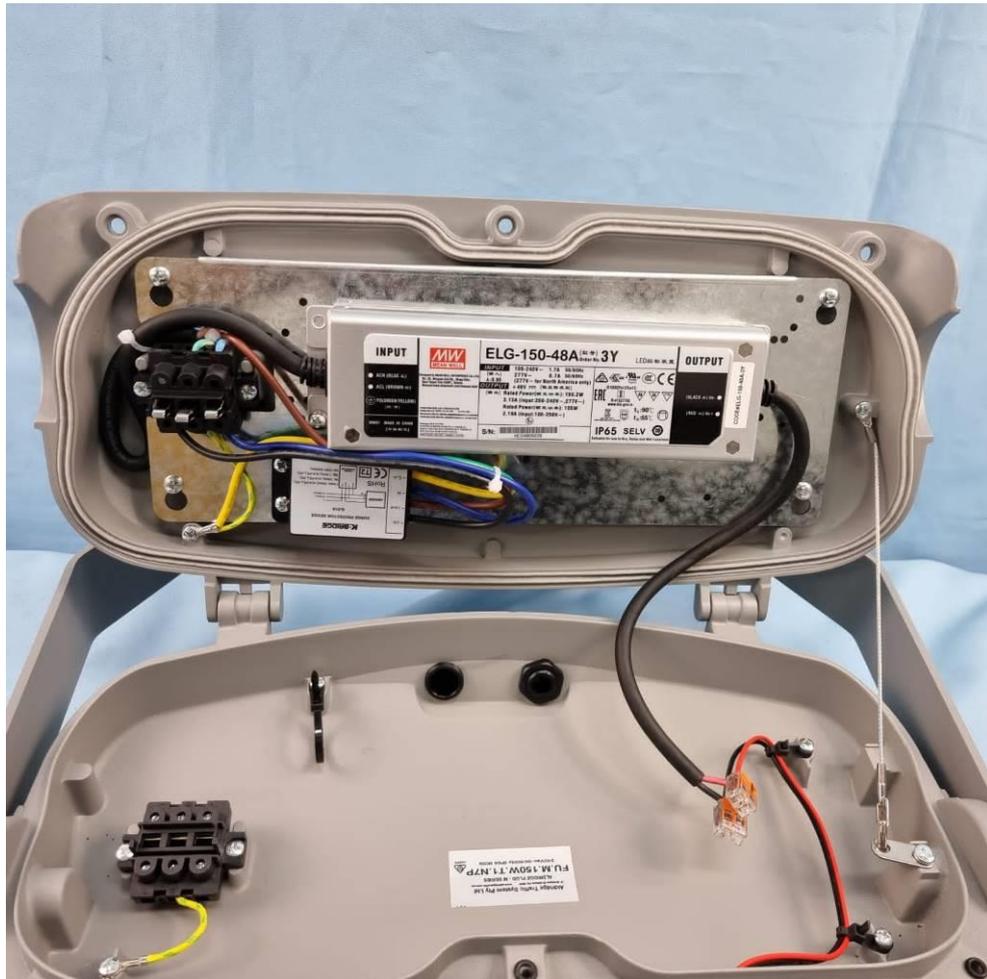
**Photos**



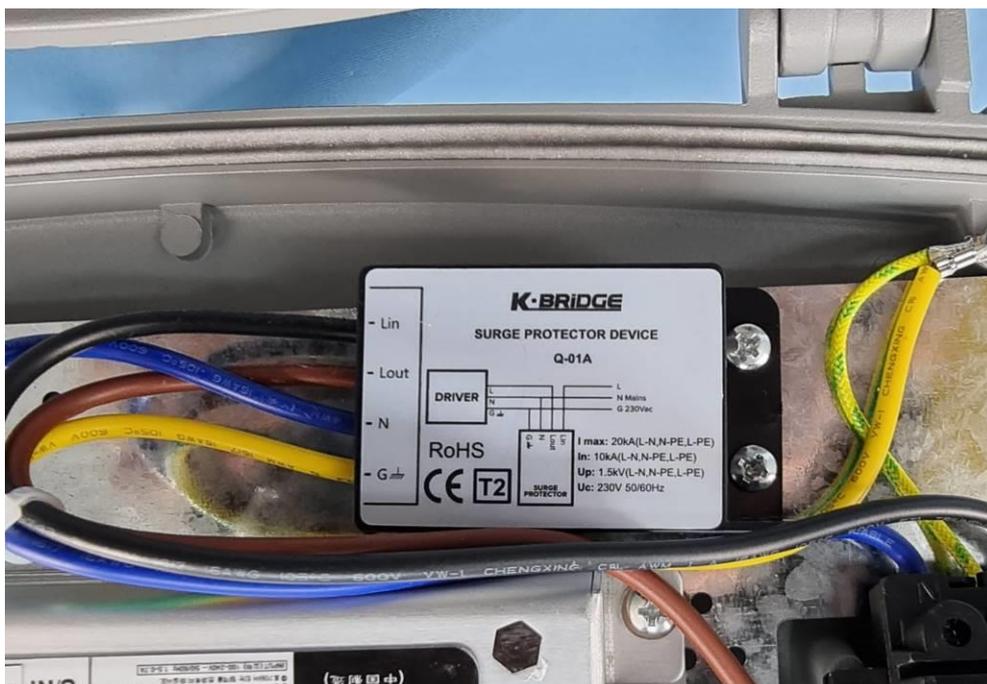
**Product overview**



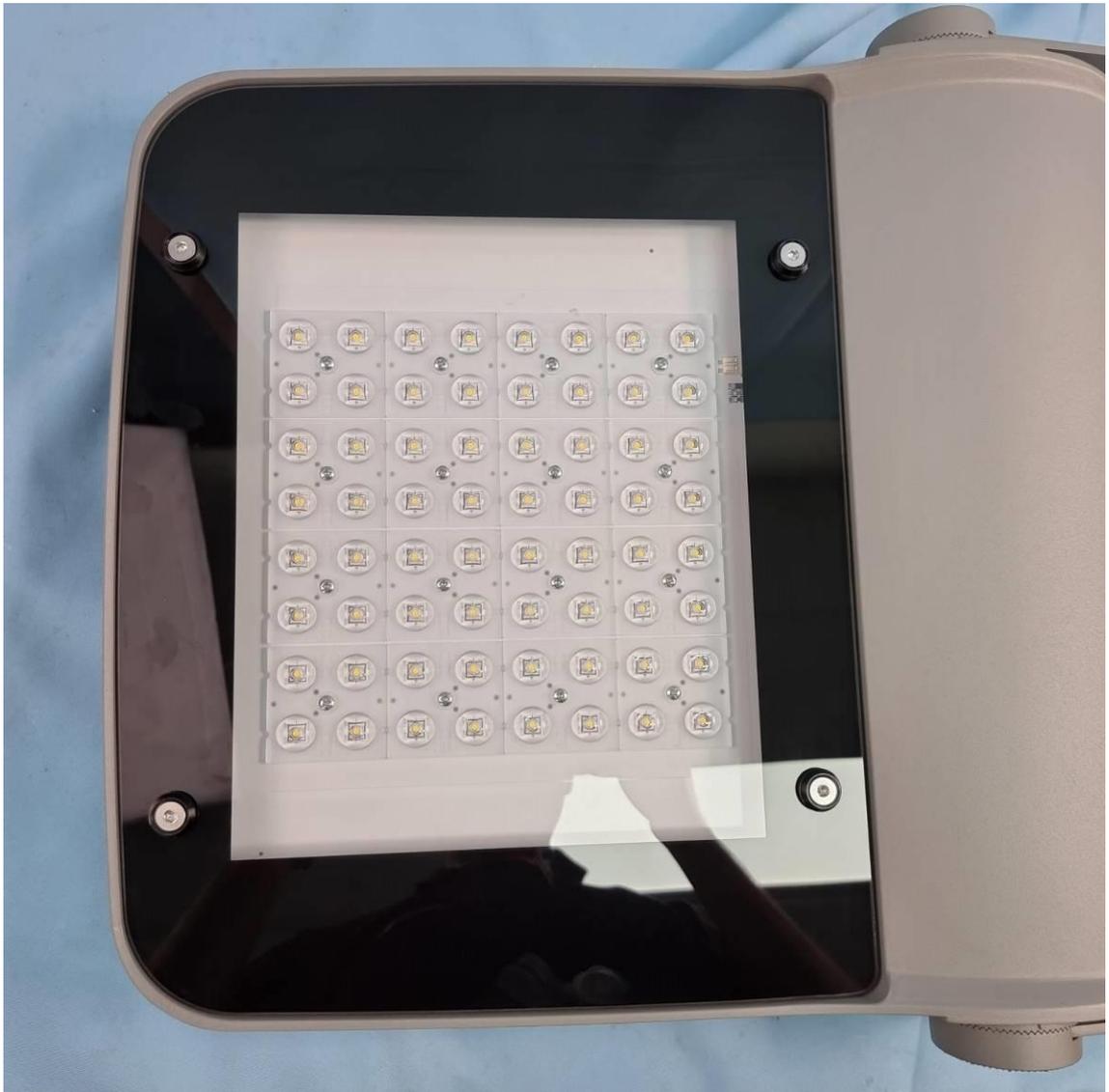
**Product overview**



Electrical compartment



SPD



**LED modules**

**End of the Test Report**