Test Report No.: *Prüfbericht - Nr.:*	**50115449 001**	**Page 1 of 9** Seite 1 von 9	
Client: *Auftraggeber:*	**Pecan Lighting** 13/19 Health Street, Lonsdale, SA 5160, Australia		
Test item: *Gegenstand der Prüfung:*	**Refers to page 2**		
Identification: *Bezeichnung:*	**Refers to page 2**	**Serial No.:** Serien-Nr.:	**N/A**
Receipt No.: *Wareneingangs-Nr.:*	**1113010008**	**Date of receipt:** Eingangsdatum:	**2017-12-13**
Condition of test item at delivery: *Zustand des Prüfgegenstandes bei Anlieferung:*	**Production sample**		
Testing location: *Prüfort:*	**TÜV Rheinland Australia Pty. Ltd.** 182 Dougharty Road, Heidelberg West, VIC 3081, Australia		
Test specification: *Prüfgrundlage:*	-		
Test Result: *Prüfergebnis:*	**The item was supplied for results only with no compliance limits.** Das Objekt wurde nur für Ergebnisse geliefert, ohne Konformitätsgrenzen.		
Testing Laboratory/ *Prüflaboratorium:*	**TÜV Rheinland Australia Pty. Ltd.** 182 Dougharty Road, Heidelberg West, VIC 3081, Australia		

Compiled by/ zusammengestellt:			**Reviewed by/***kontrolliert:*		
20-Dec-2017	Daniel Ngo/ Test Engineer		20-Dec-2017	Grant Li/ Reviewer	
Date *Datum*	**Name/Position** *Name/Stellung*	**Signature** *Unterschrift*	**Date** *Datum*	**Name/Position** *Name/Stellung*	**Signature** *Unterschrift*

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:				*Abbreviations:*			
P(ass)	=	*entspricht Prüfgrundlage*		*P(ass)*	=	*passed*	
F(ail)	=	*entspricht nicht Prüfgrundlage*		*F(ail)*	=	*failed*	
N/A	=	*nicht anwendbar*		*N/A*	=	*not applicable*	
N/T	=	*nicht getestet*		*N/T*	=	*not tested*	

Accredited for compliance with ISO/IEC 17025 **Technical Competence**

ilac-MRA NATA ACCREDITATION No. 1709

Test Report

General remarks:

1. This report shall not be reproduced, except in full.
2. Details in test data / test plan no. 1113010008
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.

Description of the test item:

Product: Orbiter Mini LED with Retro-fit Kit; Tradename: **Louis poulsen**; Model / type number: 5747834880; Rating: 700mA 42W, IP66, Class III. LED Driver: Louis poulsen; Model /type number: 5747834880; Rating: 230VAC 50/60Hz 40W, IP54, class II.

Product: Orbiter Mini LED; Tradename: **Louis poulsen**; Model / type number: 5747826458; Rating: 220-240V 50/60Hz 42W, IP66, Class I.

Product: LED Retro-fit Kit; Tradename: **Cool LED**; Model / type number: M1A-18; Rating: 61VDC 1050mA 60W, IP68, Class III; CCT: 4000K CRI>70; ta = 50°C tc = 90°C. LED driver: Harvard; Model/type number: CJ_X40-525D-UNI-R; Input Rating: 120-250VAC 0/50/60Hz 0.4-0.18A λ=0.95 46W Class II; Output Rating: 24-58VDC 700-200mA 40W; ta = -25 +50°C tc = 85°C.

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	

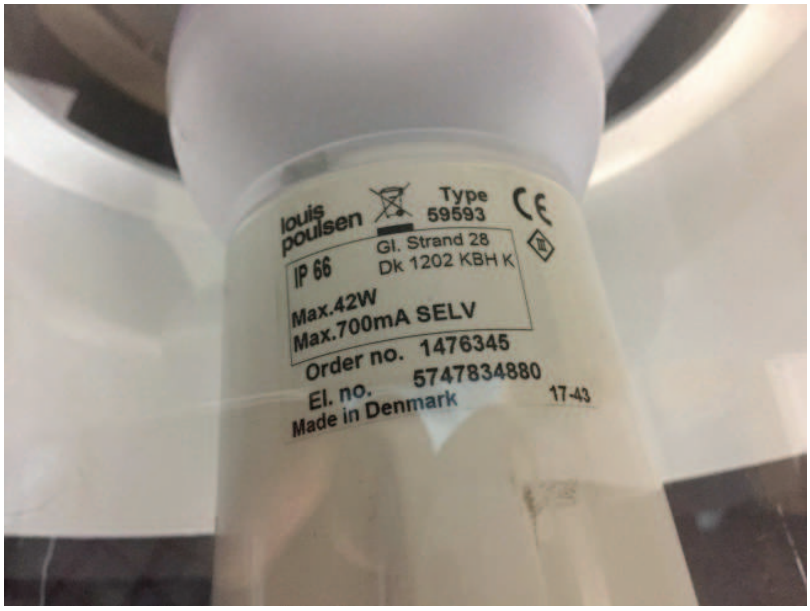
Test procedure:

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	**5747826458** 220-240V 50/60Hz 42W max, IP66	220	50	40.5	195.5	0.938
		230	50	40.6	190.0	0.932
		240	50	40.7	182.5	0.928
2	**M1A-18** 61VDC 60W max 1050mA, IP68	220	50	29.9	147.5	0.918
		230	50	29.7	140.3	0.919
		240	50	29.7	135.8	0.910
3	**5747834880** 700mA 42W max, IP66	220	50	33.7	156.4	0.984
		230	50	33.7	149.0	0.981
		240	50	33.6	143.7	0.979

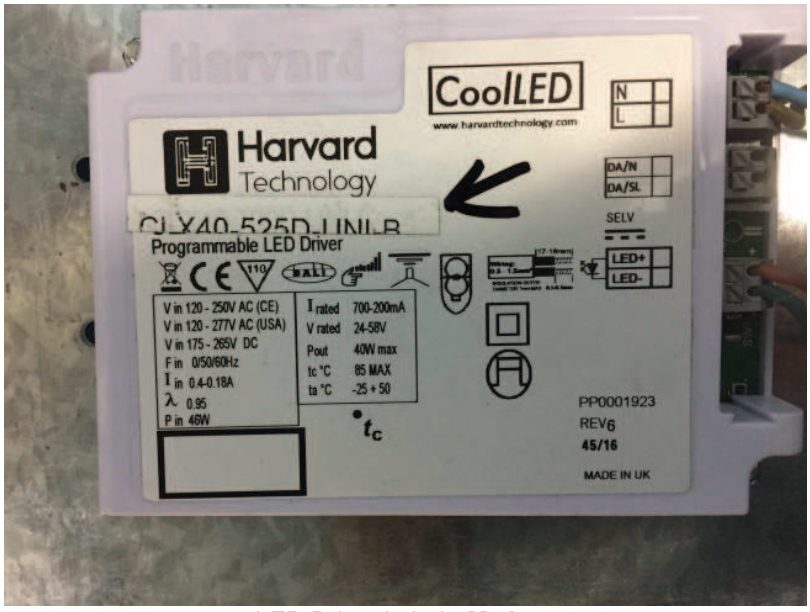
Marking



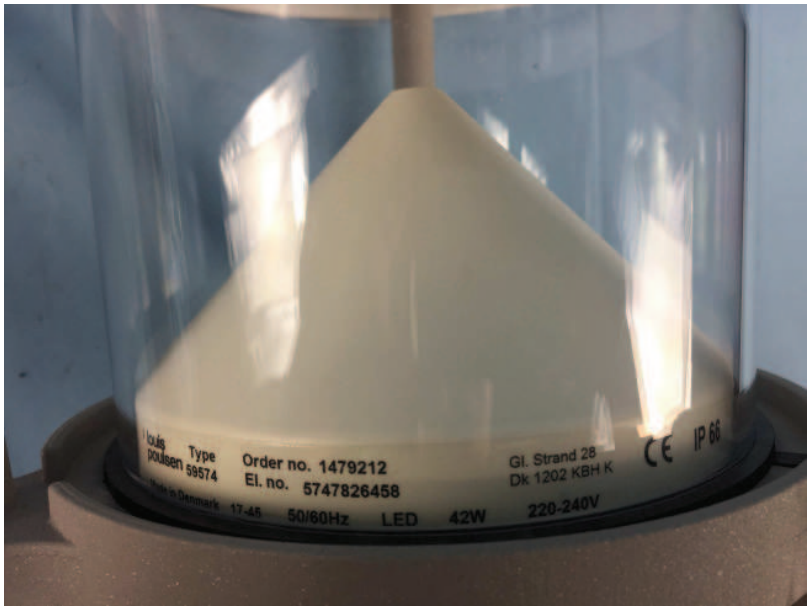
Rating Label – **5747834880**

LED Driver Label - **5747834880**

Rating Label – **M1A-18**

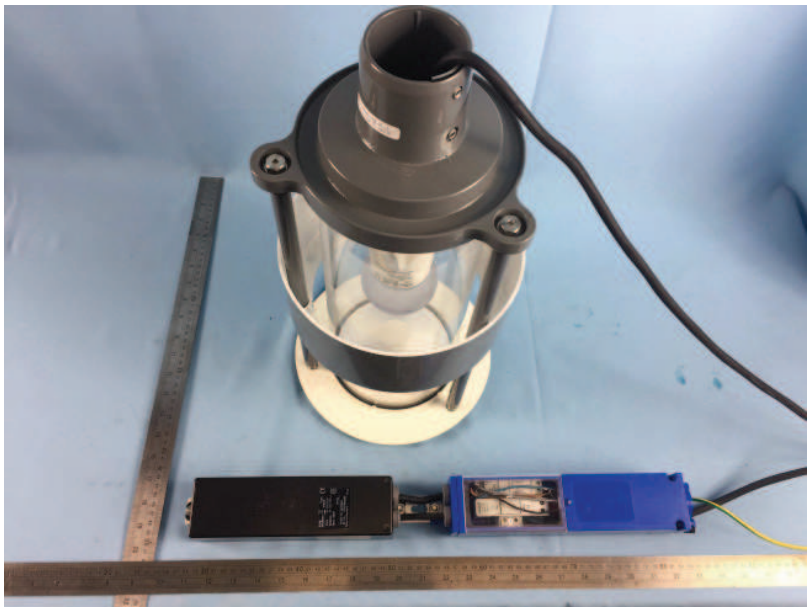


LED Driver Label - **M1A-18**

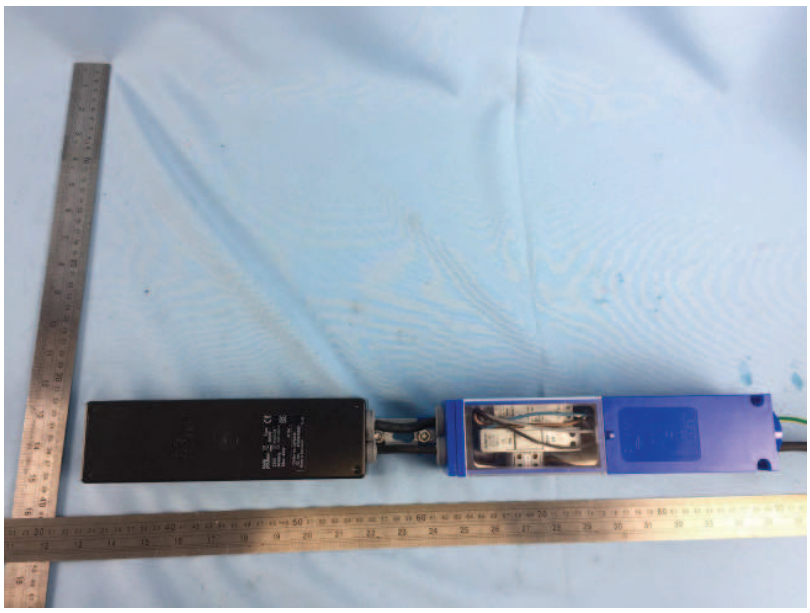


Rating Label – **5747826458**

Photos

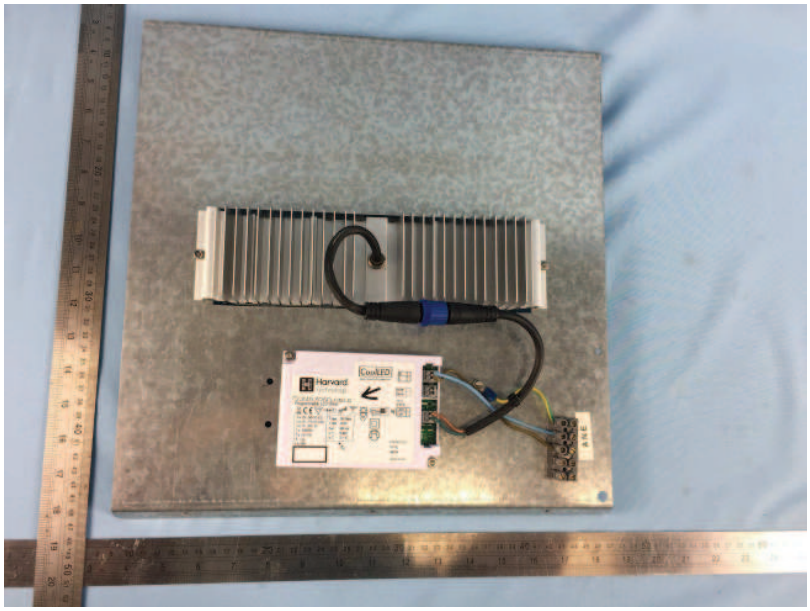


Product Overview – **5747834880**



LED Driver - **5747834880**

Front view – **M1A-18**



Back view – **M1A-18**

LEDs Overview – **M1A-18**

Product Overview – **5747826458**

End of the Test Report