Test Report No.: *Prüfbericht - Nr.:*	**50218968 001**	**Page 1 of 9** Seite 1 von 9	
Client: *Auftraggeber:*	**Pecan Lighting** 13/19 Heath Street, Lonsdale, SA 5160, Australia		
Test item: *Gegenstand der Prüfung:*	**LED lights**		
Identification: *Bezeichnung:*	**Refers to page 2**	**Serial No.:** Serien-Nr.:	**N/A**
Receipt No.: *Wareneingangs-Nr.:*	**252100020**	**Date of receipt:** Eingangsdatum:	**21-Jan-2019**
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:*		
12-Feb-2019	Daniel Ngo/ Project Engineer		12 Feb 2019	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*

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.

Accredited for compliance with ISO/IEC 17025
Technical Competence

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NATA
ACCREDITATION No. 1700

Test Report

General remarks:

1. This report shall not be reproduced, except in full.
2. Details in test data / test plan no. 252100020
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:

Tradename: **LED ROADWAY LIGHTING**; Model / type number: NXT48M074AH7BK3CTS2H; Rating: 120V-240VAC 50/60Hz 700mA 108W, IP23, Class I. LED Driver: **LED ROADWAY LIGHTING**; Model /type number: LRL66039-03-LF; Rating: 120-240VAC 50/60Hz 150W, pf=0.9 tc=95°C and fitted with current adjustable switch.

Tradename: **LED ROADWAY LIGHTING**; Model / type number: NXT48M074AH5BK3CTS2H; Rating: 120V-240VAC 50/60Hz 525mA 108W, IP23, Class I. LED Driver: **LED ROADWAY LIGHTING**; Model /type number: LRL66039-03-LF; Rating: 120-240VAC 50/60Hz 150W, pf=0.9 tc=95°C and fitted with current adjustable switch.

Tradename: **louis Poulsen**; Model / type number: 5747813005; Rating: 230VAC 50Hz 63W, IP66, Class I.

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	22-Oct-2019
		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 model **NXT48M074AH7BK3CTS2H** with current switch at 700mA	220	50	101.57	479.30	0.9615
		230	50	101.29	461.80	0.9528
		240	50	101.10	445.20	0.9460
2	Light model **NXT48M074AH5BK3CTS2H** with current switch at 525mA	220	50	76.11	367.60	0.9410
		230	50	76.13	355.17	0.9316
		240	50	76.22	345.59	0.9188
3	Light model **5747813005**	220	50	55.91	264.91	0.9595
		230	50	55.94	255.04	0.9533
		240	50	55.97	246.24	0.9467

Marking

Rating Label – model **NXT48M074AH7BK3CTS2H**

Rating Label – model **NXT48M074AH5BK3CTS2H**

LED Driver Label - model **NXT48M074AH7BK3CTS2H** and **NXT48M074AH5BK3CTS2H**

Rating Label – model **5747813005**

Photos

Product Overview – model **NXT48M074AH7BK3CTS2H** and **NXT48M074AH5BK3CTS2H**

Product Overview – model **NXT48M074AH7BK3CTS2H** and **NXT48M074AH5BK3CTS2H**

LED Overview – model **NXT48M074AH7BK3CTS2H** and **NXT48M074AH5BK3CTS2H**

LED Driver Overview – model **NXT48M074AH7BK3CTS2H** and **NXT48M074AH5BK3CTS2H**

Electrical Connection Overview – model **NXT48M074AH7BK3CTS2H** and **NXT48M074AH5BK3CTS2H**

PE Cell Overview – model **NXT48M074AH7BK3CTS2H** and **NXT48M074AH5BK3CTS2H**

Product Overview – model **5747813005**

Product Overview – model **5747813005**

End of the Test Report