

Test Report

For

Panhost Limited

(Brand Name: **TRANSLEDER**)

15/F., Sang Woo Building, 227-228 Gloucester Road, Wanchai Hong Kong

LED Luminaire

Model name(s): TL047-V3-AS-04-D

Representative (Tested) Model: TL047-V3-AS-04-D

Model Different: All construction and rating are the same, except CCT

Test & Report By:

Garman Mo

Engineer: Garman Mo

Date: Jan.29,2018

Review By:

Univ Xie

Manager: Univ Xie

Note: 1.The results contained in this report pertain only to the tested samples.

2.This report does not imply product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

Laboratory: Standard-Tech Co. Ltd Testing Center
NVLAP CODE: 201011-0

Report Format Number STD/QR4909-A/2


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1.1 Product Information:

Organization Name	Panhost Limited	
Brand Name	TRANSLEDER	
Model Number	TL047-V3-AS-04-D	
Description	N/A	
SKU (if available)	N/A	
Type of Luminaire (for integral lamps, list base type and lamp type)	LED Luminaire	
Rated Voltage / Frequency	250Vac, 50 Hz	
Nominal Power	47W	
Rated Initial Lamp Lumen	--	
Declared CCT	4000K	
LED Manufacturer	CREE	
LED Module	1x42PCS Cree LED Module	
Driver	PHILIPS 75W	
Sample Number	GZE1801059-A1-10	
Luminaire Aperture (for downlights)	--	in.
Luminaire Length	--	mm
Luminaires Width	--	mm
Number of Units (modular products)	N/A	s
Photo		
Front view		
		
LED driver		



Setup



1.2 Test Specifications:

Date of Receipt	Jan.23,2018
Date of Test	Jan.24,2018
Test item	1. Electrical Parameters
Reference Standard	1. IES LM-79-2008 Electrical and Photometric Measurements of Solid-State Lighting Products
Reference Work Instruction	QD25

1.3 Test Methods

The ten luminaires were operated at 25 °C ambient temperature in their normal operational orientation at 250VAC until the monitored luminaire stabilised as defined in IES LM79. Twenty readings were taken ten seconds apart and the average found. The average value is multiplied by the Calibration Correction given in the latest NATA endorsed calibration report then has Voltmeter losses subtracted based on Watt-meter input impedance and test voltage. The other nine luminaires having operated for the same or more time are switched one by one to Watt-meter for their twenty readings.

2.1 Electrical Measurements*(Refer to Work Instruction QD25)*

Test date	2018-01-24	Test Ambient:	25.2 °C
Test Orientation	As intended	Stabilization Time (h)	8
Model Number	TL047-V3-AS-04-D		

Conclusions

Test results are given in following Tables.

The Average Load (Watts) is 47.14W at 0.928 Power Factor.

Electrical Measurements:

GZE1801059-A1	Supply Voltage (Vms)	Input Current (mAms)	Input Power(W)	Power Factor
Average	250.020	202.9950	47.15	0.929
Min	250.000	202.9000	47.13	
Max	250.100	203.0000	47.16	
Calibration correction (see Clark Hess calibration report)	1.00005	1.0000	0.99985	
Final value	250.033	202.9950	47.14	

GZE1801059-A2	Supply Voltage (Vms)	Input Current (mAms)	Input Power(W)	Power Factor
Average	250.085	203.2400	47.25	0.930
Min	250.000	203.2000	47.24	
Max	250.100	203.3000	47.25	
Calibration correction (see Clark Hess calibration report)	1.00005	1.0000	0.99985	
Final value	250.098	203.2400	47.24	

GZE1801059-A3	Supply Voltage (Vms)	Input Current (mAms)	Input Power(W)	Power Factor
Average	250.100	203.3000	47.14	0.927
Min	250.100	203.3000	47.13	
Max	250.100	203.3000	47.14	
Calibration correction (see Clark Hess calibration report)	1.00005	1.0000	0.99985	
Final value	250.113	203.3000	47.13	

GZE1801059-A4	Supply Voltage (Vms)	Input Current (mAms)	Input Power(W)	Power Factor
Average	250.100	203.4600	47.20	0.928
Min	250.100	203.4000	47.19	
Max	250.100	203.5000	47.21	
Calibration correction (see Clark Hess calibration report)	1.00005	1.0000	0.99985	
Final value	250.113	203.4600	47.19	

GZE1801059-A5	Supply Voltage (Vms)	Input Current (mAms)	Input Power(W)	Power Factor
Average	250.100	203.7000	47.09	0.924
Min	250.100	203.7000	47.09	
Max	250.100	203.7000	47.10	
Calibration correction (see Clark Hess calibration report)	1.00005	1.0000	0.99985	
Final value	250.113	203.7000	47.08	

GZE1801059-A6	Supply Voltage (Vms)	Input Current (mAms)	Input Power(W)	Power Factor
Average	250.100	201.2100	47.12	0.936
Min	250.100	201.2000	47.11	
Max	250.100	201.3000	47.13	
Calibration correction (see Clark Hess calibration report)	1.00005	1.0000	0.99985	
Final value	250.113	201.2100	47.11	

GZE1801059-A7	Supply Voltage (Vms)	Input Current (mAms)	Input Power(W)	Power Factor
Average	250.100	203.9000	47.16	0.925
Min	250.100	203.9000	47.16	
Max	250.100	203.9000	47.17	
Calibration correction (see Clark Hess calibration report)	1.00005	1.0000	0.99985	
Final value	250.113	203.9000	47.15	

GZE1801059-A8	Supply Voltage (Vms)	Input Current (mAms)	Input Power(W)	Power Factor
Average	250.090	203.5350	47.17	0.927
Min	250.000	203.4000	47.14	
Max	250.100	203.7000	47.19	
Calibration correction (see Clark Hess calibration report)	1.00005	1.0000	0.99985	
Final value	250.103	203.5350	47.16	

GZE1801059-A9	Supply Voltage (Vms)	Input Current (mAms)	Input Power(W)	Power Factor
Average	250.100	203.2950	47.08	0.926
Min	250.100	203.2000	47.08	
Max	250.100	203.3000	47.09	
Calibration correction (see Clark Hess calibration report)	1.00005	1.0000	0.99985	
Final value	250.113	203.2950	47.07	

GZE1801059-A10	Supply Voltage (Vms)	Input Current (mAms)	Input Power(W)	Power Factor
Average	250.100	202.6100	47.11	0.930
Min	250.100	202.6000	47.10	
Max	250.100	202.7000	47.11	
Calibration correction (see Clark Hess calibration report)	1.00005	1.0000	0.99985	
Final value	250.113	202.6100	47.10	

Electrical operating parameters of TL047-V3-AS-04-D

Sample No.	Supply Voltage (Vms)	Input Current (mAms)	Input Power(W)	Power Factor
GZE1801059-A1	250.033	202.9950	47.14	0.929
GZE1801059-A2	250.098	203.2400	47.24	0.930
GZE1801059-A3	250.113	203.3000	47.13	0.927
GZE1801059-A4	250.113	203.4600	47.19	0.928
GZE1801059-A5	250.113	203.7000	47.08	0.924
GZE1801059-A6	250.113	201.2100	47.11	0.936
GZE1801059-A7	250.113	203.9000	47.15	0.925
GZE1801059-A8	250.103	203.5350	47.16	0.927
GZE1801059-A9	250.113	203.2950	47.07	0.926
GZE1801059-A10	250.113	202.6100	47.10	0.930
Average	250.103	203.1245	47.14	0.928

3. Test Equipment

Equipment ID	Equipment Name	Last Calibration Date	Next Calibration Date
GO-R5000	Goniophotometer system	2017-07-01	2018-06-30
D908S	Standard Lamp	2017-07-12	2018-07-11
PF210	Power Meter for Goniophotometer	2017-07-07	2018-07-06
Expand Uncertainty: Photometric Measurement (Sphere):2.04%, k=2 Chromaticity Measurement(Sphere):28.8K, k=2 Photometric Measurement(Goniophotometer):2.36%, k=2			

******* END OF REPORT *******