

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): TL078-V3-AS-04-D

Representative (Tested) Model: TL078-V3-AS-04-D

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

Test & Report By:

Garman Mo

Engineer: Garman Mo

Date: Feb.02,2018

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	TL078-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	78W	
Rated Initial Lamp Lumen	--	
Declared CCT	4000K	
LED Manufacturer	CREE	
LED Module	1x42PCS Cree LED Module	
Driver	EUD-096S210BVA	
Sample Number	GZE1801059-E1-10	
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.31,2018
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	2018-01-31	Test Ambient:	25.2 °C
Test Orientation	As intended	Stabilization Time (h)	8
Model Number	TL078-V3-AS-04-D		

Conclusions

Test results are given in following Tables.

The Average Load (Watts) is 78.69W at 0.961 Power Factor.

Electrical Measurements:

GZE1801059-E1	Supply Voltage (Vms)	Input Current (mAms)	Input Power(W)	Power Factor
Average	250.070	327.4400	78.73	0.962
Min	249.900	327.3000	78.71	
Max	250.100	327.7000	78.76	
Calibration correction (see Clark Hess calibration report)	1.00005	1.0000	0.99985	
Final value	250.083	327.4400	78.72	

GZE1801059-E2	Supply Voltage (Vms)	Input Current (mAms)	Input Power(W)	Power Factor
Average	250.100	325.9850	78.37	0.961
Min	250.100	325.9000	78.35	
Max	250.100	326.0000	78.38	
Calibration correction (see Clark Hess calibration report)	1.00005	1.0000	0.99985	
Final value	250.113	325.9850	78.36	

GZE1801059-E3	Supply Voltage (Vms)	Input Current (mAms)	Input Power(W)	Power Factor
Average	250.100	325.2950	78.20	0.961
Min	250.100	325.2000	78.18	
Max	250.100	325.4000	78.22	
Calibration correction (see Clark Hess calibration report)	1.00005	1.0000	0.99985	
Final value	250.113	325.2950	78.19	

GZE1801059-E4	Supply Voltage (Vms)	Input Current (mAms)	Input Power(W)	Power Factor
Average	250.100	326.3000	78.46	0.961
Min	250.100	326.3000	78.45	
Max	250.100	326.3000	78.46	
Calibration correction (see Clark Hess calibration report)	1.00005	1.0000	0.99985	
Final value	250.113	326.3000	78.44	

GZE1801059-E5	Supply Voltage (Vms)	Input Current (mAms)	Input Power(W)	Power Factor
Average	250.200	328.5100	78.98	0.961
Min	250.200	328.4000	78.95	
Max	250.200	328.6000	78.99	
Calibration correction (see Clark Hess calibration report)	1.00005	1.0000	0.99985	
Final value	250.213	328.5100	78.97	

GZE1801059-E6	Supply Voltage (Vms)	Input Current (mAms)	Input Power(W)	Power Factor
Average	250.200	328.5400	79.06	0.962
Min	250.200	328.5000	79.05	
Max	250.200	328.6000	79.07	
Calibration correction (see Clark Hess calibration report)	1.00005	1.0000	0.99985	
Final value	250.213	328.5400	79.05	

GZE1801059-E7	Supply Voltage (Vms)	Input Current (mAms)	Input Power(W)	Power Factor
Average	250.100	326.9600	78.66	0.962
Min	250.100	326.9000	78.65	
Max	250.100	327.0000	78.67	
Calibration correction (see Clark Hess calibration report)	1.00005	1.0000	0.99985	
Final value	250.113	326.9600	78.65	

GZE1801059-E8	Supply Voltage (Vms)	Input Current (mAms)	Input Power(W)	Power Factor
Average	250.200	328.2050	78.93	0.961
Min	250.200	328.1000	78.91	
Max	250.200	328.4000	78.99	
Calibration correction (see Clark Hess calibration report)	1.00005	1.0000	0.99985	
Final value	250.213	328.2050	78.92	

GZE1801059-E9	Supply Voltage (Vms)	Input Current (mAms)	Input Power(W)	Power Factor
Average	250.200	328.5450	79.09	0.962
Min	250.200	328.5000	79.08	
Max	250.200	328.6000	79.09	
Calibration correction (see Clark Hess calibration report)	1.00005	1.0000	0.99985	
Final value	250.213	328.5450	79.07	

GZE1801059-E10	Supply Voltage (Vms)	Input Current (mAms)	Input Power(W)	Power Factor
Average	250.100	326.7350	78.51	0.961
Min	250.100	326.7000	78.49	
Max	250.100	326.8000	78.55	
Calibration correction (see Clark Hess calibration report)	1.00005	1.0000	0.99985	
Final value	250.113	326.7350	78.50	

Electrical operating parameters of TL078-V3-AS-04-D

Sample No.	Supply Voltage (Vms)	Input Current (mAms)	Input Power(W)	Power Factor
GZE1801059-E1	250.083	327.4400	78.72	0.962
GZE1801059-E2	250.113	325.9850	78.36	0.961
GZE1801059-E3	250.113	325.2950	78.19	0.961
GZE1801059-E4	250.113	326.3000	78.44	0.961
GZE1801059-E5	250.213	328.5100	78.97	0.961
GZE1801059-E6	250.213	328.5400	79.05	0.962
GZE1801059-E7	250.113	326.9600	78.65	0.962
GZE1801059-E8	250.213	328.2050	78.92	0.961
GZE1801059-E9	250.213	328.5450	79.07	0.962
GZE1801059-E10	250.113	326.7350	78.50	0.961
Average	250.150	327.2515	78.69	0.961

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 *******