

Test Report

Sample Name: 90736

Model Name : 90736

Applicant : P.Q.L., Inc.

Test Category: Commission Test

Statement

- i. Report without "special seal for testing report" or "official seal of testing lab" is invalid.
- ii. Report modified without signature is invalid.
- iii. Report without signature of inspector, reviewer, approver is invalid.
- iv. Once objection to testing report, it should be within 15 days from the date of receipt of the report. Once beyond the time limit, there will be not accepted.
- v. Laboratory only responsible for test items of of the delivered samples
- vi. Without permission of the lab, this report shall not be arbitrarily change or part of the reference. In any form copy, copy of duplicate agreed, it should be recognized by my lab with special seal for testing. It is invalid without the seal of lab.

Test Report

Sample Name	T8L	Model	90736
		Logo	—
Client	R & D	Testing category	Commission Test
Manufacturer	P.Q.L., Inc.	Testing site	Laboratory
Deliverer	Wang Caihua	Sample quantity	3 pcs
Application date	2016-05-11	Testing date	2016-05-12
Testing Standard	<input checked="" type="checkbox"/> IES LM-79-08 Electrical and Photometric Measurements of Solid-State Lighting Products <input checked="" type="checkbox"/> ANSI C78.377:2011 specifications for the chromaticity of solid state lighting products <input type="checkbox"/> IEC 62612:2013 Self-ballasted LED-lamps for general lighting services – Performance requirements <input type="checkbox"/> CIE 127 : 2007 Measurement of LEDs <input type="checkbox"/> Others _____		
Testing Items	<input checked="" type="checkbox"/> Photoelectric color performance parameters (<input checked="" type="checkbox"/> Flux ; <input checked="" type="checkbox"/> Efficiency ; <input checked="" type="checkbox"/> Voltage ; <input checked="" type="checkbox"/> Current ; <input checked="" type="checkbox"/> Power ; <input checked="" type="checkbox"/> Power factor ; <input checked="" type="checkbox"/> Color renderings ; <input checked="" type="checkbox"/> Ra ; <input type="checkbox"/> Others _____) <input type="checkbox"/> Lighting distribution (<input type="checkbox"/> Center lighting intensity ; <input type="checkbox"/> light intensity distribution ; <input type="checkbox"/> IES file (attachment) ; <input type="checkbox"/> Others _____) <input type="checkbox"/> Mantianance (<input type="checkbox"/> Color Mantianance ; <input type="checkbox"/> Lumen Mantianance) <input type="checkbox"/> On/off test ; <input type="checkbox"/> Others _____		
Testing Results	See test summary		
Note	—		
Tested by :	Reviewed by:	Approved by:	
Date :	Date:	Date:	

Sample description

Products general description

- (1) Rated Voltage (V) : 120
- (2) Rated Current (A) : —
- (3) Rated Power (W) : 12
- (4) Rated Frequency (Hz) : 60
- (5) Lamp Cap: G13; G5; 2G11; Fa8; R17d; Others:
G24q
- (6) Bulb Type: straight type; T8U type (Big U; Small U) ;
Single ended (PL; PLL) other
- (7) Lamp Length: 2ft; 3ft; 4ft; 5 ft; 6 ft; 8 ft; other
- (8) Lighting Source: LED; other
- (9) Supply Type: BP; DR (Ballast_____); DC power supply;
External power supply; other

Testing Equipment

No.	Equipment	Type/model	Serial	Due to
1	<input type="checkbox"/> Spectroradiometer	HAAS-2000	LB1O-004	
2	<input type="checkbox"/> DC Power Supply	WY12010	LB1E-005	
3	<input type="checkbox"/> Integrating Sphere	0.5m	LB10-007	
4	<input type="checkbox"/> Standard Lamp	D062	LB1O-030	
1	<input checked="" type="checkbox"/> Spectroradiometer	PMS-80	LB1O-031	2017-3-18
2	<input checked="" type="checkbox"/> DC Current Source	WY305	LB1E-043	2017-4-13
3	<input checked="" type="checkbox"/> Power Meter	WT210	LB1E-042	2016-5-27
4	<input checked="" type="checkbox"/> AC Source	TPS500B	LB1E-044	2017-4-13
9	<input checked="" type="checkbox"/> Integrating Sphere	2.0m	LB10-8	—
10	<input type="checkbox"/> Spectroradiometer	HAAS-2000	LB1O-003	
11	<input type="checkbox"/> DC Power Supply	WY605	LB1E-003	
12	<input type="checkbox"/> Digital Power Meter	PF2010A	LB1E-007	
13	<input type="checkbox"/> AC Power supply	CF-500T	LB1E-010	
14	<input type="checkbox"/> Standard Lamp	D204	LB1O-010	
15	<input type="checkbox"/> Integrating Sphere	2.0m	LB1O-006	
16	<input type="checkbox"/> Spectroradiometer	HAAS-2000	LB1O-021	
17	<input type="checkbox"/> DC Power Supply	WY12010	LB1E-022	
18	<input type="checkbox"/> Digital Power Meter	PF2010	LB1E-023	
19	<input type="checkbox"/> AC Power supply	DPS1005	LB1E-021	
10	<input checked="" type="checkbox"/> Standard Lamp	D204	LB1O-012	2017-03-15
21	<input type="checkbox"/> Integrating Sphere	3.0m	LB1O-029	
22	<input type="checkbox"/> Goniophotometer	GO-R5000	LB1O-001	
23	<input type="checkbox"/> Spectroradiometer	HAAS-2000	LB1O-005	
24	<input type="checkbox"/> DC Power Supply	WY12010	LB1E-004	
25	<input type="checkbox"/> Digital Power Meter	PF2010	LB1E0-009	
26	<input type="checkbox"/> AC Power supply	DPS1060	LB1E-014	
27	<input type="checkbox"/> Standard Lamp	D908S	LB1O-011	
28	<input type="checkbox"/> High frequency reference source	YF2402	LB1E-024	
29	<input type="checkbox"/> Dial caliper	0-150mm	LB3L-020	
30	<input type="checkbox"/> Balance	ACS-D11	LB3F-003	

Test Summary

No.	Testing items	Testing standard	Testing results	Verdict
1	Photoelectric color performance parameters	IES LM-79-08 ANSI C78.377:2011	See following pages	P
2	Lighting distribution	—	—	—
3	Maintanance	—	—	—
4	On/off test	—	—	—

1. Photoelectric color performance parameters**1.1 Testing conditons**

Test standard	Incoporated ballast	Tempreature & Humidity	Self-absorption coefficient	Test input
IES-LM-79-08 ANSI C78.377-2011	—	25+1°C; ≤65%R.H	1	120V/60Hz

1.2 Testing data

Spec. Limit	I(A)	U(V)	*P(W)	PF	Flux(lm)	*Eff(lm/W)	x	y	Tc(K)	Ra	R9	Duv	THD
Sample No	-	-	-	-	-	-	x1=0.40026;x2=0.37369 x3=0.36712;x4=0.38950	y1=0.40341y2=0.38794 y3=0.35826;y4=0.37075	3985±275	-	-	-	-
160511005SX01	0.1042	120.3	12.27	0.9796	1499	122.1	0.3737	0.3718	4152	84.9	19	-	-
160511005SX02	0.1044	120.0	12.27	0.9799	1558	127.0	0.3742	0.3708	4134	84.2	15	-	-
160511005SX03	0.1048	120.1	12.34	0.9806	1578	127.9	0.3741	0.3711	4139	84.3	15	-	-
MAX	0.1048	120.3	12.34	0.9806	1578	127.9	0.3742	0.3718	4152	84.9	19	-	-
MIN	0.1042	120.0	12.27	0.9796	1499	122.1	0.3737	0.3708	4134	84.2	15	-	-
AVERAGE	0.1045	120.1	12.29	0.9800	1545	125.7	0.3740	0.3712	4142	84.5	16	-	-
Verdict	-	-	-	-	-	-	P	P	P	-	-	-	-
Note	—												

Note : "N" —Not applicable; "P" —Pass; "F" —Fail; "—" —No need to verdict

Photos

