



TEST REPORT
CEC/DOE Test report- Ceiling Fan Light Kits

Report reference No.....: LCSB05305012S

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Testing laboratory

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Address: 101-201, No.39 Building, Xialang Industrial Zone, Heshuikou Community, Matian Street Guangming New District, Shenzhen, Guangdong Prov. 518000 China

Testing location: As above

Client

Name: Qingdao Heifenglikejiyouxiangongsi

Address.....: Huangdaoqu Jialingjiangxilu 425 Hao Changdelou 304 Hao Qingdaoshi 266000 Shandongsheng CN

Manufacturer

Name: BAYSQUIRREL

Address.....: Huangdaoqu Jialingjiangxilu 425 Hao Changdelou 304 Hao Qingdaoshi 266000 Shandongsheng CN

Test specification

Standard.....: California Code of Regulations, Title 20, Sections 1601 through 1608. DEPARTMENT OF ENERGY Office of Energy Efficiency and Renewable Energy 10 CFR Parts 429 and 430 and 431

Test procedure: 10 C.F.R. 430.23(x)(2)

Non-standard test method: N/A





Test item Description	Ceiling Fan with Light
Trademark	BAYSQUIRREL, DewShrimp, YeetFerret
Model and/or type reference.....	BS-9210-FL-HWSS, BS-9001-FL-HWSS, BS-9002-FL-HWSS, BS-6229-FL-HWSS, BS-7042-FL-HWSS, BS-9223-FL-HWSS, BS-9214-FL-HWSS, BS-9216-FL-HWSS, BS-9217-FL-HWSS, BS-9218-FL-HWSS (The applicant statement:All models are just different model names, everything else is the same.)
Test model.....	BS-9210-FL-HWSS
Rating(s)(V/Hz).....	AC100-240V, 50/60Hz
Test case verdicts	
Test case does not apply to the test object :	N(N/A)
Test item does meet the requirement	P(Pass)
Test item does not meet the requirement :	F(Fail)
Testing	
Date of receipt of test item	June 03, 2025
Date(s) of performance of test.....	June 03, 2025
Test item particulars:	10 CFR Parts 429 and 430 and 431
Light Technology type	<input type="checkbox"/> LED lamp <input checked="" type="checkbox"/> LED light engine <input type="checkbox"/> Inseparable SSL <input type="checkbox"/> Medium screw-based CFL <input type="checkbox"/> Incandescent Lamp <input type="checkbox"/> Pin-based sockets for fluorescent lamps
Model type(ANSI Standard Lamp Shape):	N/A
Base type(ANSI).....	N/A
Lamp cap installed:	N/A
Declared data:	
Rated voltage(V):	AC100-240V
Rated lamp power(W):	light power: 36W
Rated useful luminous flux.....(lm):	2400 lm 4000K; This is a 3000K-6500K color temperature adjustable product
Rated CCT(K):	, here we choose the efficient white light setting CCT (4000K) for testing according to the applicant's requirements, and with the controller testing for testing.
Forward current of the LED chip.....(mA):	N/A
LED Manufacturer	N/A
LED Model.....	N/A





1. Test Method

1.1 Photometric and Electrical Measurement

Test Standard.....: IES LM-79-08:Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products

Ambient Condition: 24.9°C

Stabilization time: 0.5h

Orientation(burning position) of SSL product during test: 2 base-up

Test Method: The sample measurements were made using a spectroradiometer connected by a fiber optic cable and detector through the detector port of the integrating sphere. 4π geometry was used during measurement.The sample was self-absorption correction used for integrating sphere, then operated at rated voltage and was stabilized before measurement. Chromaticity coordinates, correlated color temperature and color rendering index were calculated from the spectral radiant flux measurements taken at 1 nm intervals over the range of 380 to 780 nm.

1.2 Standby Power Measurement

Test Standard.....: IEC 62301-2011:Household electrical appliances-Measurement of standby power

Ambient Condition.....: 24.9°C

Stabilization time: 0.5h

Orientation(burning position) of SSL product during test: 2 base-up

Test Method: Sections 5.3.4 Direct meter reading method. The sample was operated at rated voltage and was stabilized before measurement. The standby power were calculated from the digital power meter.

Remarks

The duplication of this report or parts of it and its use for advertising purposes is only allowed with permission of the testing laboratory.This report contains the result of examination of the product sample submitted by the appliance. A general statement concerning the quality of the products from the series manufacturer cannot be derived therefore.





2. Test equipment list

Instrument	Equipment ID	Model	Calibration Date	Calibration Due Date
2m Integrating Sphere System	SLCS-S-312	HAAS2000	2025/05/27	2026/05/26
Digital Power Meter	SLCS-S-309	PF9810	2025/05/27	2026/05/26
AC Testing Power Source	SLCS-S-310	DPS1005	2025/05/27	2026/05/26
Standard Lamp	SLCS-S-313	DC24V/50W	2024/06/12	2025/06/11

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Scan code to check authenticity



3. Summary of Result

Items	Requirement	Test Result	Verdict
Minimum required efficacy(lm/W)	Lumens ¹ < 120: 50	N/A	N/A
	Lumens ¹ ≥ 120: (74.0-29.42 x 0.9983 ²⁴⁰⁰)=73.50	74.89	Pass
Note: /			





4. Test data

Initial Photometric and Electrical Test Data

Sample No	base	voltage	current	power	power factor	light output	efficiency
L1	VBU	120.05	0.4818	31.61	0.5465	2455.9	77.69
L2	VBD	120.01	0.4752	31.28	0.5485	2419.2	77.34
Average	/	/	/	31.45	0.5475	2437.6	77.52
UCL(0.99)	/	/	/	/	/	/	/
LCL(0.99)	/	/	/	/	/	/	71.89
Factor	/	/	/	/	/	/	0.96
CL/Factor	/	/	/	/	/	/	74.89
Represented value	/	/	/	/	/	/	74.89

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5. Photo of sample

ATTACHMENT

product photos



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