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Standard DEPARTMENT OF ENERGY Office of Energy Efficiency and Renewable Energy 10 CFR Parts 429 and 430 Test procedure Test report Non-standard test method N/A Test Report Form No. IECEE TRF No. CEC/DOE Test Report Form(s) Originator AOCE	F		
Report Reference No. AOC250520007ER-R1 Compiled by (print+ signature) Bruce Lin Approved by (print+ signature) Robin Liu John Lab Supervisor Date of issue 2025-05-26 Testing Laboratory Shenzhen AOCE Electronic Technology Service Co., Ltd Address Park, Fuhai Street, Bacan District, Shenzhen, Guangdong, China Testing location/address Same as above Applicant's name Zhongshan Daorui Lighting & Electronic Limited Address Zhongshan Daorui Lighting & Electronic Limited Address Zhongshan Daorui Lighting & Teot of Yihui Road, Henglan Town, Zhongshan Daorui Lighting 2, No 5, The 3rd of Yihui Road, Henglan Town, Zhongshan City, Guangdong Province, China Manufacturer name Zhongshan Daorui Lighting 2, No 5, Dat 3rd of Yihui Road, Henglan Town, Zhongshan City, Guangdong Province, China Trade Mark N/A DM30021, DM33015, DM33015X, DS20020, DS20046, DS20019, DS20058, DS20062, DS20062, DM30017, DM33017, DM330032, DS20058, DM33018, DM33031X, DM30032, DS20058, DM33014, DM33031X, DM30032, DS20006, DM33018, DM33031X		TEST REPORT	
Compiled by (print+ signature) Bruce Lin Bruce Lin Approved by (print+ signature) Robin Liu Lobin. M. Date of issue 2025-05-26 Testing Laboratory Shenzhen AOCE Electronic Technology Service Co., Ltd Address Room 202, 2nd Floor, No. 12th Building of Xinhe Tongfuyu Industrial Park, Fuhai Street, Baoan District, Shenzhen, Guangdong, China Testing location/address Same as above Applicant's name Zhongshan Daorui Lighting & Electronic Limited Address Uni 6 2/F Building 2, No.5, The 3rd of Yihui Road, Henglan Town, Zhongshan Cay, Guangdong Province, China Manufacturer name Zhongshan Daorui Lighting & Electronic Limited Address Uni 6 2/F Building 2, No.5, The 3rd of Yihui Road, Henglan Town, Zhongshan City, Guangdong Province, China Test Object Ceiling fan light Trade Mark N/A DM33015, DS2005, DM33015, DS20020, DS20016, DS20019, DS2005, DM33010, DS2005, DS20039, DS20008, DM33010, DS2005, DM33013, DM33031,	CEC/DC	DE Test report- Ceiling Fan Li	ight Kits
Compiled by (print+ signature) Bruce Lin Bruce Lin Approved by (print+ signature) Robin Liu Lobin. M. Date of issue 2025-05-26 Testing Laboratory Shenzhen AOCE Electronic Technology Service Co., Ltd Address Room 202, 2nd Floor, No. 12th Building of Xinhe Tongfuyu Industrial Park, Fuhai Street, Baoan District, Shenzhen, Guangdong, China Testing location/address Same as above Applicant's name Zhongshan Daorui Lighting & Electronic Limited Address Uni 6 2/F Building 2, No.5, The 3rd of Yihui Road, Henglan Town, Zhongshan Cay, Guangdong Province, China Manufacturer name Zhongshan Daorui Lighting & Electronic Limited Address Uni 6 2/F Building 2, No.5, The 3rd of Yihui Road, Henglan Town, Zhongshan City, Guangdong Province, China Test Object Ceiling fan light Trade Mark N/A DM33015, DS2005, DM33015, DS20020, DS20016, DS20019, DS2005, DM33010, DS2005, DS20039, DS20008, DM33010, DS2005, DM33013, DM33031,			
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Park, Fuhai Street, Baoan District, Shenzhen, Guangdong, China Testing location/address			
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Address. Unit 5 2/F Building 2, No.5, The 3rd of Yihui Road, Henglan Town, Zhongshan City, Guangdong Province, China Manufacturer name Zhongshan Daorui Lighting & Electronic Limited Address. Unit 5 2/F Building 2, No.5, The 3rd of Yihui Road, Henglan Town, Zhongshan City, Guangdong Province, China Test Object. Ceiling fan light Trade Mark N/A DM33021, DM33015, DM33015X, DS20020, DS20016, DS20019, DS20005, DS2005Z, DM30017, DM33010, DS20055, DS20005, DS2005Z, DM30017, DM330310, DS20005, DS20001, DS20013, DS20018, DS20001, DM33018, DS20011, DM33031, DM30032, DS20001 	Testing location/address	Same as above	
Zhongshan City, Guangdong Province, China Manufacturer name			
Address.Unit 5 2/F Building 2, No.5, The 3rd of Yihui Road, Henglan Town, Zhongshan City, Guangdong Province, ChinaTest Object.Ceiling fan lightTrade Mark.N/ADM33021, DM33015, DM33015X, DS20020, DS20016, DS20019, DS20005, DS2005X, DM33016, DS20017, DM33010, DS20039, DS20008, DM33018, DS20001, DM33031, DM33031X, DM30032, DS20008, 	Address:	Unit 5 2/F Building 2, No.5, Th Zhongshan City, Guangdong F	e 3rd of Yihui Road, Henglan Town, Province, China
Zhongshan City, Guangdong Province, China Test Object			
Trade Mark.N/ADM33021, DM33015, DM33015X, DS20020, DS20016, DS20019, DS20005, DS2005X, DM33026, DM30017, DM33010, DS20055, DS2002, DS20062, DM30013, DS20015, DS20039, DS20008, DM33018, DS20001, DM33031, DM30032, DS20008, DM33018, DS20001, DM33031, DM30032, DS20001 (Only the fan part and the model name are different)Rated voltage (V).100-240 V~Rated frequency (Hz).50/60 HzRated luminous (Im).1430 ImRated color temperature (CCT).6000 KRated life (h).30000Test specification:StandardDEPARTMENT OF ENERGY Office of Energy Efficiency and Renewable Energy 10 CFR Parts 429 and 430Test procedure.Test reportNon-standard test method.N/ALecee TRF No. CEC/DOETest Report Form No.IECEE TRF No. CEC/DOETest Report Form(s) OriginatorAOCE	Address	Unit 5 2/F Building 2, No.5, Th Zhongshan City, Guangdong F	e 3rd of Yihui Road, Henglan Town, Province, China
Model / Type reference.DM33021, DM33015, DM33015X, DS20020, DS20016, DS20019, DS20005, DS2005X, DM30017, DM33010, DS20055, DS20003, DS20003, DS20008, DM33018, DS20001, DM33031X, DM30032, DS20001 (Only the fan part and the model name are different)Rated voltage (V).100-240 V~Rated frequency (Hz).50/60 HzRated luminous (Im).1430 ImRated color temperature (CCT).6000 KRated life (h).30000Test specification:DEPARTMENT OF ENERGY Office of Energy Efficiency and Renewable Energy 10 CFR Parts 429 and 430Test procedure.Test reportNon-standard test method.N/ATest Report Form No.IECEE TRF No. CEC/DOETest Report Form(s) OriginatorAOCE	Test Object	Ceiling fan light	
Model / Type referenceDS20005, DS2005X, DM33026, DM30017, DM33010, DS20055, DS20002, DS20062, DM30013, DS20015, DS20039, DS20008, DM33018, DS20001, DM33031, DM30032, DS20001 (Only the fan part and the model name are different)Rated voltage (V)	Trade Mark	N/A	
Rated frequency (Hz)50/60 HzRated Power (W)22WRated luminous (Im)1430 ImRated color temperature (CCT)6000 KRated color tendering (CRI)80Rated life (h)30000Test specification:StandardDEPARTMENT OF ENERGY Office of Energy Efficiency and Renewable Energy 10 CFR Parts 429 and 430Test procedureTest reportNon-standard test methodN/ATest Report Form No.IECEE TRF No. CEC/DOETest Report Form(s) OriginatorAOCE	Model / Type reference:	DS20005, DS2005X, DM3302 DS20002, DS20062, DM3001 DM33018, DS20001, DM3303	26, DM30017, DM33010, DS20055, 3, DS20015, DS20039, DS20008, 31, DM33031X, DM30032, DS20001
Rated Power (W)22WRated luminous (Im)	Rated voltage (V)	100-240 V~	
Rated luminous (lm)	Rated frequency (Hz)	50/60 Hz	
Rated color temperature (CCT):6000 KRated color tendering (CRI):80Rated life (h)	Rated Power (W)	22W	
Rated color tendering (CRI)	Rated luminous (Im)	1430 lm	
Rated life (h): 30000 Test specification: Standard: DEPARTMENT OF ENERGY Office of Energy Efficiency and Renewable Energy 10 CFR Parts 429 and 430 Test procedure: Test report Non-standard test method: N/A Test Report Form No	Rated color temperature (CCT)	6000 K	
Test specification: Standard Standard DEPARTMENT OF ENERGY Office of Energy Efficiency and Renewable Energy 10 CFR Parts 429 and 430 Test procedure Test procedure Non-standard test method N/A Test Report Form No. IECEE TRF No. CEC/DOE Test Report Form(s) Originator	Rated color tendering (CRI)	80	
Standard DEPARTMENT OF ENERGY Office of Energy Efficiency and Renewable Energy 10 CFR Parts 429 and 430 Test procedure Test report Non-standard test method N/A Test Report Form No. IECEE TRF No. CEC/DOE Test Report Form(s) Originator AOCE	Rated life (h)	30000	
Renewable Energy 10 CFR Parts 429 and 430 Test procedure Non-standard test method N/A Test Report Form No. IECEE TRF No. CEC/DOE Test Report Form(s) Originator	Test specification:		
Non-standard test method N/A Test Report Form No IECEE TRF No. CEC/DOE Test Report Form(s) Originator: AOCE	Standard:		
Test Report Form No. IECEE TRF No. CEC/DOE Test Report Form(s) Originator: AOCE	Test procedure:	Test report	
Test Report Form(s) Originator: AOCE	Non-standard test method	N/A	
	Test Report Form No	IECEE TRF No. CEC/DOE	
	Test Report Form(s) Originator:	AOCE	
Master TRF 2024-03-28	Master TRF	2024-03-28	

Summary of Testing:					
Tests performed (name of test and test clause):	Testing location:				
The sample(s) tested complies with the requirements of 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 When determining the test conclusion. The Measurement Uncertainty of test has be enconsidered.	Shenzhen AOCE Electronic Technology Service Co., Ltd Room 202, 2nd Floor, No.12th Building of Xinhe Tongfuyu Industrial Park, Fuhai Street, Baoan District, Shenzhen, Guangdong, China				
Summary of Compliance with National Differences:					
N/A					
Copy of Marking Plate:					
N/A					

Type of light source:				
Product type	☐ Light source ☐ Separate control gears			
Lighting technology used	LED Lamp LED light engine Inseparable SSL Medium screw-based CFL Incandescent Lamp Pin-based sockets for fluorescent lamps			
Non-directional or directional	DLS (Directional) NDLS (Non-directional)			
Use of lamp:	🖂 Indoor 🛛 Outdoor 🖾 Industry			
Light source cap-type (or other electric interface):	Connecting lead			
Mains or non-mains:	☑ MLS (mains light source)☑ NMLS (non-mains light source)			
Colour-tuneable light source	🗌 Yes 🛛 No			
Anti-glare shield	🗌 Yes 🛛 No			
Dimmable	🛛 Yes 🗌 No			
Possible Test Case Verdicts:				
Test case does not apply to the test object	N/A (Not Applicable)			
Test object does meet the requirement	P (Pass)			
Test object does not meet the requirement	F (Fail)			
Testing:				
Ambient temperature of tested:	25.0°C			
Test inputs:	120 V~			
Sample size for tested:	2 pcs			
Date of receipt of test item	2025-05-07			
Date (s) of performance of tests	2025-05-07 to 2025-05-20			
General Remarks:				
Note: 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.				
This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government.				
Note:				
1. The test data in this report are all from the light source.				
This report was based on the original report AOC2505				

1). The rated power was filled in incorrectly. It has now been corrected.

2) Update the model.

1. Test Method				
1.1 Photometric and Electrical Measureme	int			
Test Standard	IES LM-79-08: Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products			
Ambient Condition:	25.0°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	25.0°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.			

2. Summary of Result

ltems	Requirement	Test Result	Verdict
Minimum required efficacy(Im/W)	Lumens1<120: 50	N/A	N/A
	Lumens1≥120: (74.0-29.42 x 0.9983 ¹⁴³⁰)=71.42	74.1	Pass
Note: /			

3. Test data

Initial Photometric and Electrical Test Data

Sample No.	Base	Voltage	Current	Power	Power Factor	Light Output	Efficiency
L1	VBU	120	0.186	22.2	0.993	1522.0	68.56
L2	VBD	120	0.186	22.1	0.991	1518.7	68.72
Average	/	/	/	22.2	0.992	1520.4	68.64
UCL (0.99)	/	/	/	/	/	/	/
LCL (0.99)	/	/	/	/	/	/	72.33
Factor	/	/	/	/	/	/	0.976
CL/Factor	/	/	/	/	/	/	74.1
Represented value	/	/	/	/	/	/	74.1

4. Test Equipment List

Equipment Name	Manufacturer	Model No.	Reference No.	Calibration Due Date	
2m Integating Sphere	SENSING	SL-300	AOC-S-126	2026-04-13	
Horizontal Distribution Photometer	SENSING	GMS1800D	AOC-S-124	2026-04-13	
Standard Lamp	SENSING	240V/150W	AOC-S-151	2025-08-01	
Digital power meter	HENGHE	WT310E	AOC-S-012	2026-04-13	
Digital power meter	SENSING	UI2008	AOC-S-123	2026-04-13	
Digital power meter	SENSING	UI2021	AOC-S-123	2026-04-13	
DC source	OYHS	OYHS-Z120V-50A	AOC-S-062	2026-04-13	
Variable frequency power supply	WOSEN	BP6005	AOC-S-129	2026-04-13	
Variable frequency power supply	AIPUSI	KDF-500	AOC-S-130	2026-04-13	
Oscilloscope	TEKTRONIX	MDO3012	AOC-S-028	2026-04-13	



5. Product Photo

Fig. 1 (Model name: DM33021)

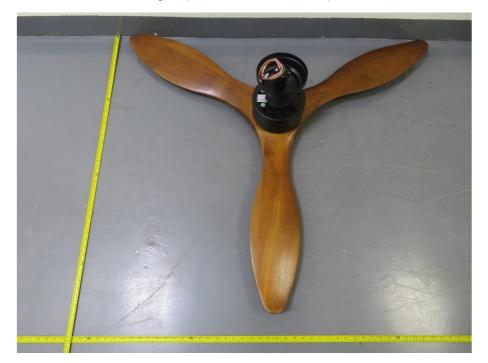


Fig. 2 (Model name: DM33021)



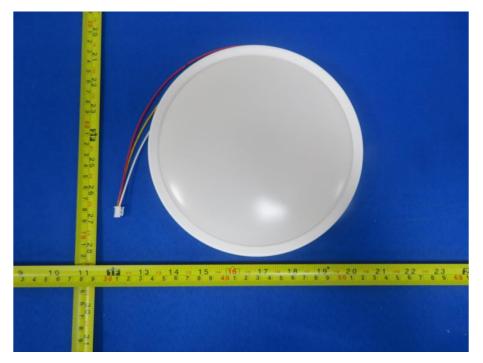


Fig. 3 (Light source)

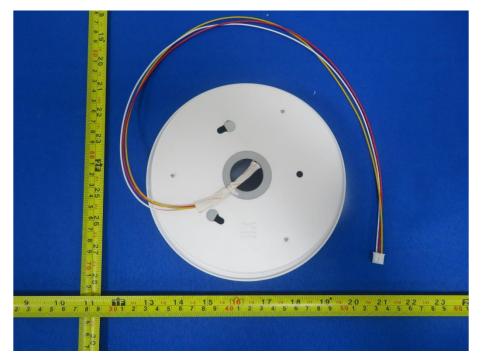


Fig. 4 (Light source)

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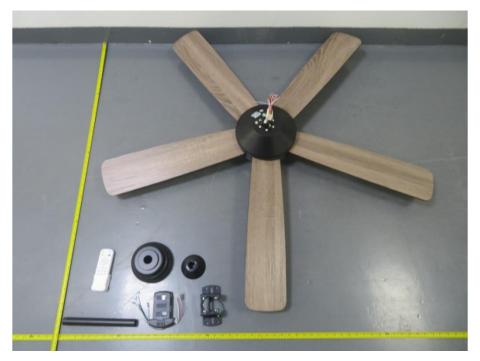


Fig. 5 (Model name: DM30017)

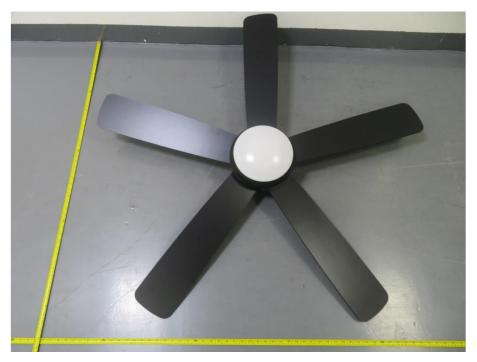


Fig. 6 (Model name: DM33021)

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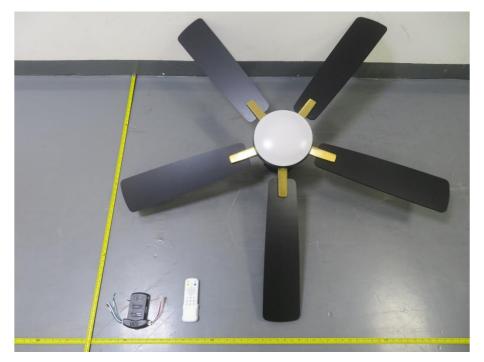


Fig. 7 (Model name: DM30031X)

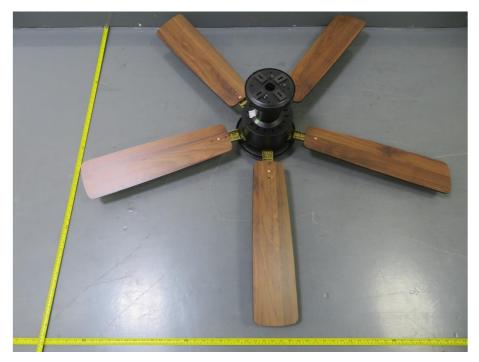


Fig. 8 (Model name: DM30031X)

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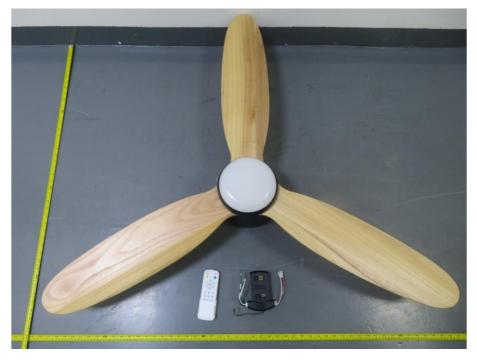


Fig. 9 (Model name: DM33015X)

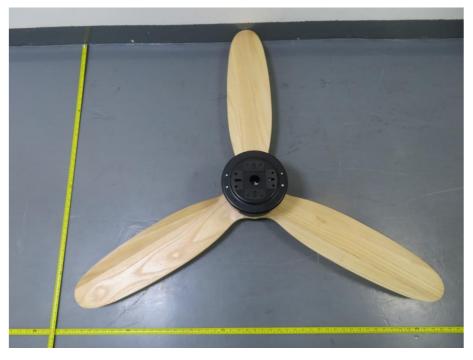


Fig. 10 (Model name: DM33015X)

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Fig. 11 (Model name: DS20001)

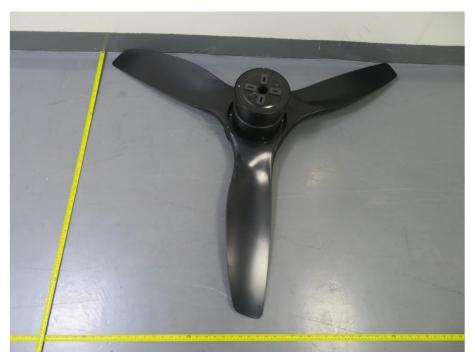


Fig. 12 (Model name: DS20001)

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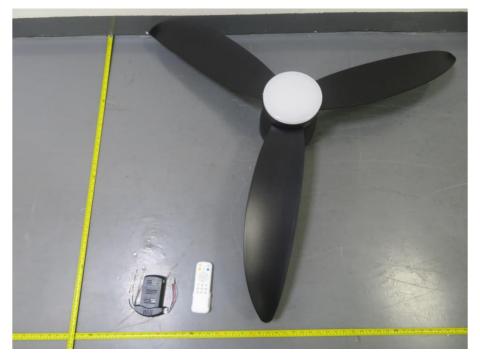


Fig. 13 (Model name: DS20005X)



Fig. 14 (Model name: DS20005X)

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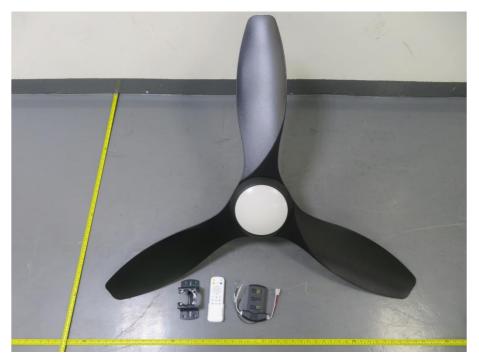


Fig. 15 (Model name: DS20016)



Fig. 16 (Model name: DS20016)

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Fig. 17 (Model name: DS20019)

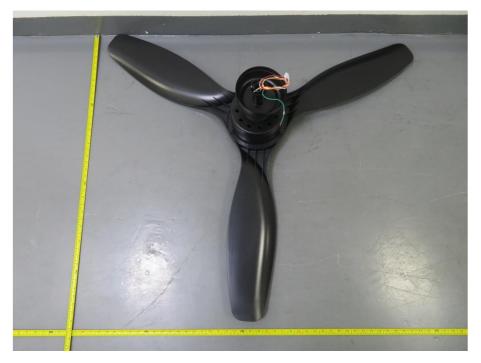


Fig. 18 (Model name: DS20019)

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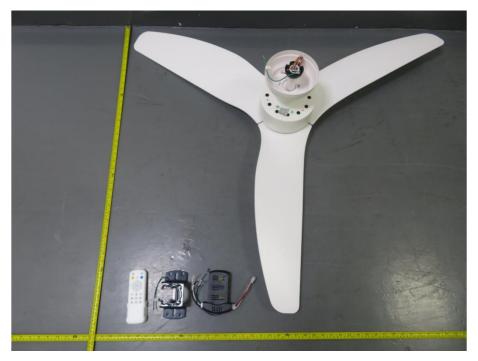


Fig. 19 (Model name: DS20039)



Fig. 20 (Model name: DS20039)

-- End of Report --