

RESOLUCION 737 - SUBTEL

Fecha de publicación: 6/3/2026

Información Comercial

Nombre comercial del equipo

Código	Descripción
9290036665	Philips HueWCA 4.2W GU10 1P EU (LÁMPARA LED)

Fabricante: Signify (China) Investment Co., Ltd.

Importador o representante en Chile: SIGNIFY CHILENA S.A.

Domicilio: El Bosque Norte 0211, Las Condes - Santiago

Correo electrónico de contacto: tomas.aragona@signify.com

Sitio Web: philips-hue.com/es-cl

Características técnicas

Tipo de equipo	Lámpara LED
Marca	Hue
Modelo	Philips HueWCA 4.2W GU10 1P EU
Módulo	EFR32RM21
Tecnología o modulación	GFSK (BLE) / DSSS-OQPSK (ZigBee)
Frecuencias	BLE: 2402 – 2480MHz; ZigBee: 2405 – 2480MHz
Ganancia de antena (dBi)	0.7 dBi
P.I.R.E. (EIRP)	BLE: 9.16 dBm (8.24 mW); ZigBee: 9.20 dBm (8.31 mW)

Declaración de conformidad

“El equipo previamente individualizado cumple con las disposiciones establecidas en la Norma Técnica de Equipos de alcance reducido, aprobada por la resolución exenta N° 1.985, de 2017, de la Subsecretaría de Telecomunicaciones.”

Firma del Importador/Responsable:

Nombre de quien firma: Tomás Aragona

Cargo: Representante Legal



- ANT.: 1) Nota ingreso Subtel N° 141600 de 06.11.2024.
2) Resolución Exenta N° 1.985 de 2017 y sus modificaciones, de la Subsecretaría de Telecomunicaciones.
3) Resolución Exenta N° 3.103 de 2012, de la Subsecretaría de Telecomunicaciones.
4) Ley N° 18.168, General de Telecomunicaciones.
5) Resolución Exenta N° 470 de 13.02.2013, que faculta a los Jefes de División y de Departamento para firmar “Por orden del Subsecretario de Telecomunicaciones” y delega las facultades que indica.

MAT.: Certifica equipo de alcance reducido.

DE : SUBSECRETARÍA DE TELECOMUNICACIONES

A : MBSERVICES

1. De acuerdo a la información proporcionada por documento de ANT. 1), esta Subsecretaría de Estado extiende el presente certificado para operar dentro del país, condicionado al estricto cumplimiento de lo señalado en letra j.1) del artículo 1° de la norma de ANT. 2).

Tipo de equipo	Philips HueWCA 4.2W GU10 1P EU (LÁMPARA LED)
Marca	HUE
Modelo(s)	9290036665
Fabricante	Signify (China) Investment Co., Ltd.
Frecuencia de operación	BLE: 2402 – 2480MHz; ZigBee: 2405 – 2480MHz
Potencia máxima radiada	BLE: 9.16 dBm (8.24 mW); ZigBee: 9.20 dBm (8.31 mW)
Restricciones	Estos equipos deben cumplir con técnicas de compartición de frecuencias que permitan la coexistencia con otros sistemas que operen en la misma banda.

2. El incumplimiento de lo dispuesto en el presente certificado, será sancionado de acuerdo a las disposiciones legales vigentes. Estos equipos no deberán provocar interferencias a servicios de concesionarias de telecomunicaciones y no estarán protegidos respecto de interferencias que eventualmente puedan recibir.

Saluda atentamente a Ud.,
Por orden del Subsecretario de Telecomunicaciones,

DISTRIBUCIÓN:

- Interesado: laboratorio@mbservices.cl
- Oficina de Partes.

Alex Gallardo Duarhtt
Jefe División Fiscalización (S)
27/11/2024 08:47



Test report No:
23A0153R-RF-CE-P21V01

CE TEST REPORT

Product Name	LED lamp
Trademark	PHILIPS
Model and /or type reference	9290036665,9290036667
Applicant's name / address	Signify (China) Investment Co., Ltd. Building no.9, Lane 888, Tianlin Road, Minhang District, Shanghai, 200233, China.
Test method requested, standard	EN 62493:2015 EN 62479: 2010 EN 50663: 2017
Verdict Summary	IN COMPLIANCE
Documented by (name / position & signature)	Feng Jiao/ Project Engineer 
Approved by (name / position & signature)	Jack Zhang/ Manager 
Date of issue	2024-01-15
Report Version	V1.0
Report template No	Template_EN 62493-RF-V1.0

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COMPETENCES AND GUARANTEES

DEKRA is a testing laboratory competent to carry out the tests described in this report.

In order to assure the traceability to other national and international laboratories, DEKRA has a calibration and maintenance program for its measurement equipment.

DEKRA guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated in the report and it is based on the knowledge and technical facilities available at DEKRA at the time of performance of the test.

DEKRA is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

The results presented in this Test Report apply only to the particular item under test established in this document.

IMPORTANT: No parts of this report may be reproduced or quoted out of context, in any form or by any means, except in full, without the previous written permission of DEKRA.

GENERAL CONDITIONS

Test Location	No. 99, Hongye Road, Suzhou Industrial Park Suzhou, 215006, P.R. China
Date(receive sample)	Oct. 08, 2023
Date (start test)	Oct. 12, 2023
Date (finish test)	Nov. 03, 2023

1. This report is only referred to the item that has undergone the test.
2. This report does not constitute or imply on its own an approval of the product by the Certification Bodies or Competent Authorities.
3. This document is only valid if complete; no partial reproduction can be made without previous written permission of DEKRA.
4. This test report cannot be used partially or in full for publicity and/or promotional purposes without previous written permission of DEKRA.

ENVIRONMENTAL CONDITIONS

The climatic conditions during the tests are within the limits specified by the manufacturer for the operation of the EUT and the test equipment. The climatic conditions during the tests were within the following limits:

Ambient temperature	15 °C – 35 °C
Relative Humidity air	20% - 75%

If explicitly required in the basic standard or applied product / product family standard the climatic values are recorded and documented separately in this test report.

DOCUMENT HISTORY

Report No.	Version	Description	Issued Date
23A0153R-RF-CE-P21V01	V1.0	Initial issue of report.	2024-01-15

REMARKS AND COMMENTS

1. The equipment under test (EUT) does meet the essential requirements of the stated standard(s)/test(s).
2. These test results on a sample of the device are for the purpose of demonstrating Compliance with EN 62493:2015, EN 62479: 2010, EN 50663: 2017
3. The measurement result is considered in conformance with the requirement if it is within the prescribed limit, It is not necessary to account the uncertainty associated with the measurement result, unless the specification, standard or customer have special requirements.
4. The test results presented in this report relate only to the object tested.
5. The test report shall not be reproduced without the written approval of DEKRA Testing and Certification (Suzhou) Co., Ltd.
6. This report will not be used for social proof function in China market.
7. DEKRA declines any responsibility with the following test data provided by customer that may affect the validity of result:
 - Chapter 1.1 General Description of the Item(s);
 - Chapter 1.2 Antenna Informaion.

1. General Information

1.1 General Description of the Item(s)

Product Name..... :	LED lamp
Model No. :	9290036665,9290036667
Trademark	PHILIPS
Manufacturer	Signify (China) Investment Co., Ltd.
Manufacturer address	Building no.9, Lane 888, Tianlin Road, Minhang District, Shanghai, 200233, China.
Model difference	Model 9290036665 and model 9290036667 have the same circuit diagram and PCB layout except different LED chips.

Wireless specification	Bluetooth					
Operating frequency range(s)	2402~2480MHz					
Type of Modulation	GFSK					
PHYs	<input checked="" type="checkbox"/>	LE 1M	<input checked="" type="checkbox"/>	LE 2M	<input checked="" type="checkbox"/>	LE Coded S=2/8
Data Rate	<input checked="" type="checkbox"/>	1Mbit/s	<input checked="" type="checkbox"/>	2Mbit/s	<input checked="" type="checkbox"/>	500/125 Kbit/s
Number of channels..... :	40					

Wireless Specification..... :	Zigbee					
Operating Frequency Range	2400~2483.5MHz					
Type of Modulation	DSSS-OQPSK					
Number of Channel..... :	16					
Date Rate	250kbpsmax					
Operating Temperature Range..... :	-20°C~ 45°C					

Rated power supply	Voltage and Frequency					
	<input checked="" type="checkbox"/>	AC: 220 - 240 V, 50/60 Hz				
	<input type="checkbox"/>	AC: 100 - 240 V, 50/60 Hz				
	<input type="checkbox"/>	6V DC				
	<input type="checkbox"/>	Battery:				
	<input type="checkbox"/>	Adapter:				
Brand of adapter	N/A					
Adapter model	N/A					
Mounting position..... :	<input checked="" type="checkbox"/>	<i>Table top equipment</i>				
	<input type="checkbox"/>	<i>Wall/Ceiling mounted equipment</i>				
	<input type="checkbox"/>	<i>Floor standing equipment</i>				
	<input type="checkbox"/>	<i>Hand-held/portable equipment</i>				
	<input type="checkbox"/>	<i>Other:</i>				

1.2 Antenna Information

Antenna model / type number	N/A		
Antenna serial number	N/A		
Antenna Delivery	<input checked="" type="checkbox"/>	1TX + 1RX	
	<input type="checkbox"/>	2TX + 2RX	
	<input type="checkbox"/>	Others:	
Antenna technology	<input type="checkbox"/>	SISO	
	<input type="checkbox"/>	MIMO	<input type="checkbox"/> CDD
			<input type="checkbox"/> Beam-forming
Antenna Type	<input type="checkbox"/>	External	<input type="checkbox"/> Dipole
			<input type="checkbox"/> Sectorized
			<input type="checkbox"/> Ceramic Chip
	<input checked="" type="checkbox"/>	Internal	<input type="checkbox"/> PIFA
			<input checked="" type="checkbox"/> PCB
			<input type="checkbox"/> Others.....
Antenna Gain.....	0.7dBi		

Note: The general description of the Item(s) and antenna information in clause 1 are provided and confirmed by the client.

2. Unintentional radiating part of lighting equipment

2.1. Van der Hoofden test

2.1.1. Van der Hoofden Limit

Lighting equipment, as described in the scope, and which does not fulfil one of the inherent compliance conditions mentioned in 4.2.2, complies with this standard if the compliance factor F (see 3.1.4) is less than or equal to 1.

Note: Clause 4.2.2:

- 1) it contains no electronic controlgear;
- 2) it is incandescent-lamp technology, including halogen;
- 3) it is a LED-light-source technology;
- 4) it is an OLED light-source technology;
- 5) it is high-pressure discharge lamp technologies;
- 6) it is based on low-pressure discharge lamp technologies with an exposure distance larger than or equal to 50 cm (according to Table A.1);
- 7) it is an independent auxiliary.

2.1.2. Van der Hoofden result

Note: The EUT is LED Luminaire, so according to EN 62493:2015 clause 4.2.2, EUT is deemed to comply with the requirements of this standard without testing.

3. Intentional radiating part of lighting equipment

3.1. Low-power exclusion

3.1.1. Limits

The basic EMF standard IEC 62479 gives low-power exclusion levels based on the various basic restrictions that apply and the various categories of exposed humans (general public, occupational). See Table A.1 of IEC 62479:2010. For instance for ICNIRP 1998, general public exposure, the worst case low-power exclusion level is 20 mW for head and trunk. However, in practice much larger exclusion levels are obtained because of the minimum exposure distance of certain lighting equipment, and due to properties of the applied antennas. Subclause I.4.3 gives more guidance on determination of the low-power exclusion levels.

3.1.2. Result

RF Exposure Evaluation:

The maximum average power of the EUT is 9.20 dBm for Zigbee, it is less than 20 mW (13.01dBm), so it is compliance with exposure requirement.

_____ The End _____