

EU-TYPE EXAMINATION CERTIFICATE

No

0370-RED-6223

ISSUED BY	LGAI Technological Center, SA – NB No. 0370 (APPLUS)	
APPLICANT	Shenzhen Ewinlight Technology Co.,Ltd.	
MANUFACTURER (Name, Address)	Shenzhen Ewinlight Technology Co.,Ltd. 101, 201.Building C4, Zhuao Zhizao Park, Guxing Community, Xixiang Street Baoan District, Shenzhen, Guangdong, China	
COMMERCIALISED BY (Brand)	EWINLIGHT	
PRODUCT	EWINDOW-Artifical sunlight system	
TYPES	EWINDOW3-1212, EWINDOW3-12R	
HW / SW / FMW version	SW: V1.0 HW: V1.0	
APPLICABLE DIRECTIVE	DIRECTIVE 2014/53/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 16 APRIL 2014 ON THE HARMONISATION OF THE LAWS OF THE MEMBER STATES RELATING TO THE MAKING AVAILABLE ON THE MARKET OF RADIO EQUIPMENT	
DESCRIPTION	<i>The device is an EWINDOW-Artifical sunlight system with Bluetooth LE.</i>	
MEET ESSENTIAL REQUIREMENTS	Art.3.1 (a) Health & Safety <input checked="" type="checkbox"/>	Art.3.2 Efficient use of Radio spectrum <input checked="" type="checkbox"/>
	Art.3.1 (b) EMC <input checked="" type="checkbox"/>	Art.3.3 Requirements for specific categories or classes of RED (d) <input type="checkbox"/> (e) <input type="checkbox"/> (f) <input type="checkbox"/> (g) <input type="checkbox"/>

This document is not valid without its technical annex, whose number match with the number of this certificate.

The evaluation of the technical documentation delivered is included in the technical file number: 23/36401468

This Certificate is valid as long as there are no changes in the state of the Art indicating that the approved radio equipment can no longer meet the essential requirements of Directive 2014/53/EU and there are no notifications of the approved type that may affect the accordance with the essential requirements of Directive 2014/53/EU.

Restrictions (if applicable): N/A

This certificate replaces the previous issued on 26th May, 2023

Modification description: Add a model

Bellaterra, 30th May, 2023

José Luis Medina
Director
Electrical & Electronics – Spain



You can check the validity of this certificate in our website

The manufacturer, after the completion of the technical documentation, the conformity assessment procedures and the EU Declaration of conformity, may affix the CE Marking under his responsibility.

TECHNICAL ANNEX

0370-RED-6223

A. MODEL DESCRIPTION

A.1. GENERAL INFORMATION ON THE RADIO EQUIPMENT:

Manufacturing country: China
Brand: EWINLIGHT
Commercial designation: EWINLIGHT
Country of commercialization: European Union
Radio service: Bluetooth LE
Application: EWINDOW-Artificial sunlight system

A.1.1 TRADE VERSIONS/VARIANTS: EWINDOW3-1212, EWINDOW3-12R

A.2. FEATURES: EWINDOW-Artificial sunlight system

A.3. SOFTWARE VERSION(S): V1.0

A.4. HARDWARE VERSION(S): V1.0

A.5. OTHER COMPONENTS

Disposable antenna YES Antenna gain (dBi): 3.0 (Max.)
 NO

A.6. OPERATING FREQUENCIES AND MAXIMUM POWER EMITTED BY BAND

BAND	SERVICE	Operational frequency (TX)		MAX POWER**	CNAF IR	CNAF/U N-XXX
Band 1	Bluetooth LE	F_min: 2402MHz	F_max: 2480MHz	-0.57 dBm	IR-163	UN-85

** Antenna Gain included for Bluetooth.

A.7. OTHER PARAMETERS OF RADIO INTERFACE SPECIFICATIONS (RI)

Requires license/Use authorization: YES NO

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0370-RED-6223

B. TEST PROTOCOL

REQUIREMENT	STANDARD	Laboratory	Report no.
Health and Safety Article 3.1(a)	IEC 60598-2-1:2020	Shenzhen LCS Compliance Testing Laboratory Ltd.	LCSB030323012S
	EN 50663:2017	Shenzhen LCS Compliance Testing Laboratory Ltd.	LCSA030323026EC
	EN 62479:2010		
EMC Article 3.1(b)	ETSI EN 301 489-1 V2.2.3	Shenzhen LCS Compliance Testing Laboratory Ltd.	LCSA030323026EA
	Draft ETSI EN 301 489-17 V3.2.5		
	EN 55032:2015/A11:2020		
	EN 55035:2017/A11:2020		
Efficient use of Radio spectrum Article 3.2	ETSI EN 300 328 V2.2.2	Shenzhen LCS Compliance Testing Laboratory Ltd.	LCSA030323026EB

C. RESTRICTIONS (IF POSITIVE)

Restrictions YES NO

Describe restrictions: **N/A.**

TECHNICAL ANNEX

0370-RED-6223

D. ACTIVITIES CARRIED OUT BY THE NB

Technical Documentation Review

- | | | |
|---|---|--|
| <input type="checkbox"/> Assembly drawings(s) | <input checked="" type="checkbox"/> Block diagram | <input checked="" type="checkbox"/> Circuit diagram/schematics |
| <input checked="" type="checkbox"/> External photographs | <input checked="" type="checkbox"/> Label drawing/location | <input checked="" type="checkbox"/> User manual |
| <input checked="" type="checkbox"/> Internal photographs | <input checked="" type="checkbox"/> Operational description | <input checked="" type="checkbox"/> Risk Assessment |
| <input checked="" type="checkbox"/> Test set-up photographs | <input checked="" type="checkbox"/> Test reports | <input checked="" type="checkbox"/> EU declaration of conformity |
| <input checked="" type="checkbox"/> Bill of materials | <input checked="" type="checkbox"/> PCB layout | |
| <input type="checkbox"/> Installation diagrams and explanations | <input checked="" type="checkbox"/> List of applied (harmonized and non-harmonized) standards | |

Other activities

- RIS
- EFIS/CNAF
- Review Technical Justifications
- Analysis report
- EU type certification issued

E. ADDITIONAL INFORMATION:

Radio Equipment Directive 2014/53/EU, Article 10.4: Manufacturers shall keep the technical documentation and the EU declaration of conformity for 10 years after the radio equipment has been placed on the market.

Radio Equipment Directive 2014/53/EU, Annex III, Module B.Z: The manufacturer shall inform the notified body that holds the technical documentation relating to the EU-type examination certificate of all modifications to the approved type that may affect the conformity of the radio equipment with the essential requirements of this Directive or the conditions for validity of that certificate. Such modifications shall require additional approval in the form of an addition to the original EU-type examination certificate.

This review includes draft standards, deviations from the standards and technical justification for compliance.