

EU Declaration of Conformity

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|------------------------------|---|
| Manufacturer Address | Ledxon GmbH Gutenbergstraße 1, 84144 Geisenhausen, Germany |
| Product type | ELM1 |
| Product family | ELM1-S30 (Bluetooth) |
| Part numbers / models | See attached list |

We declare under sole responsibility that the designated product(s) complies with the following EC Directives and standards:

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|---|---|
| <input checked="" type="checkbox"/> Low Voltage Directive 2014/35/EU | Directive of the European Parliament and of the Council of 26 February 2014 on the harmonization of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits |
| <input checked="" type="checkbox"/> RED Directive 2014/53/EU | Directive 2014/53/EU of the European Parliament and of the Council of 16 April 2014 on the harmonization of the laws of the Member States relating to the making available on the market of radio equipment and repealing Directive 1999/5/EC |
| <input checked="" type="checkbox"/> EMC Directive 2014/30/EU | Directive 2014/30/EU of the European Parliament and of the Council of February 26, 2014 on the harmonization of the laws of the Member States relating to electromagnetic compatibility deals with the electromagnetic compatibility of equipment. |
| <input checked="" type="checkbox"/> ErP Directive 2009/125/EC | Directive 2009/125/EC of the European Parliament and of the Council of 21 October 2009 establishing a framework for establishing ecodesign requirements for energy-related products |
| <input checked="" type="checkbox"/> RoHS Directive 2011/65/EU | Directive 2011/65/EU of the European Parliament and of the Council of June 8, 2011 on the restriction of the use of certain dangerous substances in electrical and electronic equipment |

Place of Signature: Geisenhausen
Issuer: Ledxon GmbH
Date: 23.04.2024


Benjamin Garufo / CEO

The conformity of the designated product(s) with the provisions of the European Low Voltage Directive 2014/35/EU is given by the compliance with the following European Standards:

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| <input checked="" type="checkbox"/> | EN IEC 60598-1: 2021 / A11:2022 | Luminaires — Part 1: General requirements and tests |
| <input type="checkbox"/> | EN IEC 60598-2-1: 1989 | Luminaires — Part 2-1: Particular requirements — Fixed general purpose luminaires |
| <input type="checkbox"/> | EN IEC 60598-2-89: 2017 | Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant condensing unit or compressor |
| <input checked="" type="checkbox"/> | EN 60598-2-2: 2012 | Luminaires — Part 2-2: Particular requirements — Recessed luminaires |
| <input type="checkbox"/> | EN 60598-2-5: 2015 | Luminaires — Part 2-5: Particular requirements — Floodlights |
| <input type="checkbox"/> | EN 60598-2-6: 1994 / A1:1997 | Luminaires — Part 2-6: Particular requirements — Luminaires with built-in transformers for filament lamps |
| <input type="checkbox"/> | EN 60598-2-13: 2006 / A1 2012 | Luminaires — Part 2-13: Particular requirements — Ground recessed luminaires |
| <input type="checkbox"/> | EN 60598-2-20: 2015 | Luminaires — Part 2-20: Particular requirements — Lighting chains |
| <input type="checkbox"/> | EN 60598-2-22: 2014 | Luminaires — Part 2-22: Particular requirements — Luminaires for emergency lighting |
| <input type="checkbox"/> | EN 61347-2-13: 2014 / A1:2017 | Lamp controlgear — Part 2-13: Particular requirements for d. c. or a. c. supplied electronic controlgear for LED modules |
| <input type="checkbox"/> | EN 61549: 2003 / A1:2005 / A2:2010 / A3:2012 | Miscellaneous lamps |
| <input checked="" type="checkbox"/> | EN IEC 62031: 2020 | LED modules for general lighting — Safety specifications |
| <input checked="" type="checkbox"/> | EN 62493: 2010 | Assessment of lighting equipment related to human exposure to electromagnetic Fields |
| <input checked="" type="checkbox"/> | EN 62471: 2008 | Photobiological safety of lamps and lamp systems |
| <input type="checkbox"/> | EN 62733: 2015 | Programmable components in electronic lamp controlgear |
| <input type="checkbox"/> | EN 62776: 2015 | Double-capped LED lamps designed to retrofit linear fluorescent lamps - Safety specifications |

The conformity of the designated product(s) with the provisions of the European Radio Equipment Directive 2014/53/EU is given by the compliance with the following European Standards:

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| <input checked="" type="checkbox"/> | EN 300 328 V2.2.2 | Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques; Harmonized Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU |
| <input type="checkbox"/> | EN 300 440 V2.1.1 | Short Range Devices (SRD) ; Radio equipment to be used in the 1GHz to 40GHz frequency range; Harmonized Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU |
| <input type="checkbox"/> | EN 301 489-1 V2.2.3 | Electro Magnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements; Harmonized Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU and the essential requirements of article 6 of Directive 2014/30/EU |
| <input type="checkbox"/> | EN 301 489-3 V2.3.2 | Electro Magnetic Compatibility (EMC) standard for radio equipment and services; Part 3: Specific conditions for Short Range Devices (SRD) operating on frequencies between 9 kHz and 246 GHz; Harmonized Standard for Electro Magnetic Compatibility |
| <input type="checkbox"/> | EN 301 489-17 V3.2.4 | Electro Magnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for Broadband Data Transmission Systems; Harmonized Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU |
| <input type="checkbox"/> | EN 62479: 2010 | Assessment of the compliance of low-power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz) |
| <input type="checkbox"/> | EN IEC 62311: 2020 | Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0Hz to 300 GHz) |
| <input type="checkbox"/> | EN 50663: 2017 | Assessment of the compliance of low-power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz) |
| <input type="checkbox"/> | EN 50665: 2017 | Generic standard for Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0Hz to 300 GHz) |

The conformity of the designated product(s) with the provisions of the European EMC Directive, 2014/30/EU is given by the compliance with the following European Standards:

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| <input checked="" type="checkbox"/> | EN IEC55015: 2019 / A11:2020 | Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment |
| <input checked="" type="checkbox"/> | EN IEC 61000-3-2: 2014 / A1:2021 | Electromagnetic compatibility (EMC) — Part 3-2: Limits — Limits for harmonic current emissions (equipment input current ≤ 16 A per phase) |
| <input checked="" type="checkbox"/> | EN 61000-3-3: 2013 / A1:2019 / A2:2021 | Electromagnetic compatibility (EMC) — Part 3-3: Limits — Limitation of voltage changes, voltage fluctuations and flicker in public low voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subjected to conditional connection |
| <input checked="" type="checkbox"/> | EN 61547: 2023 | Equipment for general lighting purposes — EMC immunity requirements |

The conformity of the designated product(s) with the provisions of the European ErP Directive, 2009/125/EC is given by the compliance with the following European Standards:

- EU 2019/2020** Ecodesign requirements for energy-related products

The conformity of the designated product(s) with the provisions of the European Directive 2011/65/EU (RoHS) is given by the compliance with the following European Standards.

- EN IEC 63000: 2018** Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances

See the actual information for RoHS and REACH declaration at our website: www.ledxon.de/downloads

- **RoHS Conformity**
- **REACH Conformity**

Part Numbers / models:

ELM1-S30-X-X-X-BT