

EC DECLARATION OF CONFORMITY

Name and address: **ELMARK INDUSTRIES SC, Bulgaria**
2 Dobrudzha blvd. Dobrich, Bulgaria
Tel.: +35958/ 500-059

Product: **GROUND RECESSED FIXTURES IP65; 230V/50-60Hz**

Model: GRF LED001 - 1.5W; 6000-6500K;
GRF LED002 – 1.5W; 6000-6500K

With the following we declare under our sole responsibility that above described product/s/, with a trade brand ELMARK is/are/ in conformity with the requirements of the following EC Council Directives:

- Directive 2014/35/EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation 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 (LVD)
- Directive 2014/30/EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to electromagnetic compatibility (recast)(EMC)
- Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for directional lamps, light emitting diode lamps and related equipment (commission regulation №1194/2012 of 12 December 2012).
- Directive 2011/65/EU of the use of certain hazardous substances in electrical and electronic equipment (RoHS Directive)

The above mentioned product/s/ conform/s/ with the requirements of the following standards, which introduce harmonized european standards:

Standard: **EN 55015:2013**- Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
EN 61000-3-2:2006+A1:2009+A2:2009 - Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current <= 16 A per phase)
EN 61000-3-3:2013 - 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 subject to conditional connection
EN 61547:2009 - Equipment for general lighting purposes - EMC immunity requirements
EN 60598-1:2015- Luminaires - Part 1: General requirements and tests
EN 60598-2-1:1989- Luminaires - Part 2: Particular requirements - Section 1: Fixed general purpose luminaires
EN 60598-2-13:2006 - Luminaires - Part 2-13: Particular requirements - Ground recessed luminaires
EN 61347-1:2008+A1:2011+A2:2013- Lamp controlgear - Part 1: General and safety requirements
EN 61347-2-13:2014- Lamp controlgear - Part 2-13: Particular requirements for d.c. or a.c. supplied electronic controlgear for LED modules
EN 13032-4:2015- Light and lighting - Measurement and presentation of photometric data of lamps and luminaires - Part 4: LED lamps, modules and luminaires
EN 50581:2012- Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances
EN 62471:2008- Photobiological safety of lamps and lamp systems

The last two figures of the year of marking: 13

Date:
09/04/2017
Dobrich

Signature:
Dipl.eng. Milen Vasilev
Executive Director

