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## DECLARATION OF CONFORMITY EC AL-20/2016

**Type (model):** NEPTUN LED V1

The batch number: **W/NNNNNN/RR**  
**W**-products; **C**-clean products; **D**-dismantling; **M**-medical products; **PR**-  
Samples/prototypes; **WL**-to validate  
**NNNNNN**-number of the consecutive manufacturing batch  
**RR**-the last two digits of the production year

**Raings :**

LED: 2600, 4000, 4400, 5200, 7200, 8000, 8800, 10000 LM  
~220-240V 50-60Hz; class I; IP65; IK10; E; EDD  
Diffuser: PC OPAL - PC opal diffuser; PC-T - clear polycarbonate  
Optical systems: OPTICS-1; OPTICS-2; OPTICS-3

This declaration of conformity is issued under the sole responsibility of the manufacturer.

The object of the declaration described above is in accordance with applicable requirements European Union harmonisation legislation.

**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

**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

**Directive 2011/65/EU of the European Parliament and of the Council**  
of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipmen

**Directive 2009/125/EC of the European Parliament and of the Council**  
of 21 October 2009 establishing a framework for the setting of ecodesign requirements for energy-related products

**COMMISSION REGULATION (EU) No 1194/2012** of 12 December 2012 implementing 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

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DYREKTOR ZAKŁADU

*Michał Szybalski*

(Industrial Director)

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The list of harmonised standards or other technical specifications:

**PN-EN 62471**, Photobiological Safety of Lamps and Lamp Systems

**PN-EN 60598-1**, Luminaires -- Part 1: General requirements and tests

**PN-EN 60529**, Specification for degrees of protection provided by enclosures (IP code)

**PN-EN 62493**, Assessment of lighting equipment related to human exposure to electromagnetic fields

**PN-EN 61547**, Equipment for general lighting purposes – (EMC) immunity requirements

**PN-EN 61000-3-2**, Electromagnetic compatibility (EMC) - - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current  $\leq 16$  A per phase)

**PN-EN 61000-3-3**, 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  $\leq 16$  A per phase and not subject to conditional connection

**PN-EN 55015**, Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment

**PN-EN 50581**, Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances

**PN-EN 50102**, Degrees of protection against external mechanical impacts to the restriction of hazardous substances provided by enclosures of electrical equipment (code IK)