



## EU Declaration of Conformity

We,  
Innr Lighting B.V.  
Heuvellaan 50  
1217 JN Hilversum  
The Netherlands

declare under our sole responsibility for the product(s):

Model Number	Description
RB 165	ZigBee E27 retrofit bulb, warm white, 806 Lm, gen2 improved driver
BY 165	ZigBee B22 retrofit bulb, warm white, 806 Lm, gen2 improved driver

that the designated product(s) is/are in conformity with the essential requirements of the following European Directives, by compliance with the following Harmonized Standards and other specifications referred to by those Directives:

### 2014/35/EU Low Voltage Directive (LVD)

- EN 62471:2008; Photobiological safety of lamps and lamp systems
- IEC/TR 62778:2014; Application of IEC 62471 for the assessment of blue light hazard to light sources and luminaires
- EN 62493:2015; Assessment of lighting equipment related to human exposure to electromagnetic fields
- EN 62560:2012+A1:2015; Self-ballasted LED-lamps for general lighting services by voltages >50 V - Safety specifications

### 2014/30/EU Electro Magnetic Compatibility (EMC) Directive

- ETSI EN 301 489-1 V2.2.0:2017; ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements
  - EN 55015:2013+A1:2015; Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
  - EN 61000-3-2:2014; Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions
  - 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
  - EN 61000-4-2:2009; Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test



### **2014/30/EU Electro Magnetic Compatibility (EMC) Directive**

- EN 61000-4-3:2006+A1:2008+A2:2010; Electromagnetic compatibility (EMC) - Part 4-3: Testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test
- EN 61000-4-4:2004+A1:2010; Electromagnetic compatibility (EMC) - Part 4-4: Testing and measurement techniques - Electrical fast transient/burst immunity test
- EN 61000-4-5:2006; Electromagnetic compatibility (EMC) - Part 4-5: Testing and measurement techniques - Surge immunity test
- EN 61000-4-6:2009; Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields
- EN 61000-4-11:2004; Electromagnetic compatibility (EMC) - Part 4-11: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests
- EN 61547:2009; Equipment for general lighting purposes - EMC immunity requirements
- ETSI EN 301 489-17 V3.2.0:2017; ElectroMagnetic Compatibility (EMC) standard for radio equipment; Part 17: Specific conditions for Broadband Data Transmission Systems
- ETSI EN 303 446-1 V1.1.0: 2017; ElectroMagnetic Compatibility (EMC) standard for combined and/or integrated radio and non-radio equipment; Part 1: Requirements for equipment intended to be used in residential, commercial and light industry locations

### **2014/53/EU Radio Equipment Directive (RED)**

- ETSI EN 300 328 V2.1.1:2016; Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques
- 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)

### **2009/125/EC Ecodesign Requirements for Energy-related Products (ErP) Directive**

- Commission Regulation (EC) 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
- Commission Delegated Regulation (EU) No 874/2012 of 12 July 2012; supplementing Directive 2010/30/EU of the European Parliament and of the Council with regard to energy labelling of electrical lamps and luminaires

### **2011/65/EU Restriction of the use of certain Hazardous Substances in electrical and electronic equipment (RoHS) Directive**

- EN 50581:2012 Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances

The CE mark was first applied in 2016.



Signed:

A handwritten signature in blue ink, appearing to read 'Rob Timmer', written over a horizontal line.

Rob Timmer  
COO Innr Lighting B.V.  
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1217 JN Hilversum, The Netherlands  
Date: 2017-11-01.