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EU Declaration of Conformity

Document No. RGBBulb02UK rev 2.0

Centrica Hive Limited
Millstream,
Maidenhead,
Berkshire,
SL4 5GD,
UK

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

Object of the declaration: **Self Ballasted LED Lamp (HV-GSCLZB279B (E27) HV-GSCLZB229B (B22))**

The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:

Legislation	Title
Directive 2014/53/EU	Radio Equipment Directive
Directive 2011/65/EU	Restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)
Directive 2012/19/EU	Waste Electrical and Electronic Equipment (WEEE) Directive
Directive 2009/125/EC	Energy Related Product Directive (ERP)

For the evaluation of compliance, the following specifications were applied:

Category	Specification	Description
EMC:	EN 61547 :2009	Equipment for general lighting purposes. EMC immunity requirements
	EN 61000-3-2 :2014	Electromagnetic compatibility (EMC). Limits. Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)
	EN 61000-3-3 :2013	Electromagnetic compatibility (EMC). 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 301 489-1 V2.2.0:2017	Electromagnetic compatibility and Radio Spectrum Matters (ERM); Electro Magnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements
	EN 301 489-17 V3.2.0:2017	Electromagnetic compatibility and Radio Spectrum Matters (ERM); Electro Magnetic Compatibility (EMC) standard for radio equipment; Part 17: Specific conditions for Broadband Data Transmission Systems
	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
	EN 55015 :2013 + A1 :2015	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
Radio Spectrum:	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
Safety:	EN 62493: 2015	Assessment of lighting equipment related to human exposure to electromagnetic field
	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)
	EN 62560 :2012 +A1 :2015	Self-ballasted LED-lamps for general lighting services by voltage $0G 50 V. Safety specifications
	IEC 62560 :2011 +A1 :2015	Self-ballasted LED-lamps for general lighting services by voltage >50 V - Safety specifications
	IEC TR 62778 :2014	Application of IEC 62471 for the assessment of blue light hazard to light sources and luminaires

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RoHS:	EN 62321 :2009	Electrotechnical products. Determination of levels of six regulated substances (lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls, polybrominated diphenyl ethers)
	EN 62321-1 :2013	Determination of certain substances in electrotechnical products. Introduction and overview
	EN 62321-2 :2014	Determination of certain substances in electrotechnical products. Disassembly, disjointment and mechanical sample preparation
	EN 62321-3-1 :2014	Determination of certain substances in electrotechnical products. Screening. Lead, mercury, cadmium, total chromium and total bromine by X-ray fluorescence spectrometry
	EN 62321-4 :2014	Determination of certain substances in electrotechnical products - Part 4: Mercury in polymers, metals and electronics by CV-AAS, CV-AFS, ICP-OES and ICP-MS
	EN 62321-5 :2014	Determination of certain substances in electrotechnical products. Cadmium, lead and chromium in polymers and electronics and cadmium and lead in metals by AAS, AFS, ICP-OES and ICP-MS
	EN 62321-6 :2015	Determination of certain substances in electrotechnical products. Polybrominated biphenyls and polybrominated diphenyl ethers in polymers by gas chromatography-mass spectrometry (GC-MS)
	EN 62321-7-1 :2015	Determination of certain substances in electrotechnical products. Determination of the presence of hexavalent chromium (Cr(VI)) in colourless and coloured corrosion-protected coatings on metals by the colorimetric method
ERP:	EU 1194/2012	Refer to Annex III of EU 1194/2012

Additional Information:
Conformity of this product with the requirements of the directive 2014/53/EU has been reviewed according to **Module A**.

I hereby declare that the equipment named above has been designed to comply with the relevant sections of the above referenced specification. The unit complies with all applicable Essential requirements of the applicable directives.

Signed for and on behalf of Centrica Hive Limited:

Place and Date of Issue: London UK, 24th February 2020

Name: Peter Simon

Position: Managing Director (Centrica Hive Limited)

Signature: