

EU declaration of conformity

We: **NOVÉA ÉNERGIES SAS**
4, rue G.J. MENDEL 49070 BEAUCOUZE France
Manufacturer located in EU

Declare under our sole responsibility that the products : **SOLAR STREET LIGHTS**

To which this declaration relates, are in conformity with the relevant Union harmonisation legislation :

Directive 2014/35/EU (LVD) 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 (EMC) 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 (RoHS) 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 equipment.

For Radio Equipment: **Directive 2014/53/EU (RED)** of the European parliament and of the council of 16 April 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of radio equipment and repealing Directive 1999/5/EC.

- **The conformity of the product is demonstrated by full compliance with the following standards :**

LVD (Safety of electrical equipment) :

IEC/EN 60598-1 : Luminaires - Part 1 : general requirements and tests

IEC/EN 60598-2-3 : Luminaires Part 2-3 : Particular requirements - Luminaires for road and street lighting

NF EN 60529: Degrees of protection provided by enclosures (IP Code)

NF EN 62262: Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code)

IEC/EN 62493: Assessment of lighting equipment related to human exposure to electromagnetic Field

EMC (Electromagnetic Compatibility) :

IEC/EN 55015 : Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment

IEC/EN 61547 : Equipements pour l'éclairage à usage général - Exigences concernant l'immunité CEM

RoHS : EN 63000

Batteries :

IEC/EN 62133-2 : Secondary cells and batteries containing alkaline or other non-acide electrolytes. Safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable applications. Lithium systems

UL 1642 : Standard for lithium Batteries.

ONU recommendation of dangerous goods, section 38.3.



NOVEA

GROUPE RAGNI

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NOVCOM Z (Public lighting communication module)

Article 3.1 a (2014/53/EU) : **EN IEC 62368-1, EN IEC 62311**

Article 3.1 b (2014/53/EU) : **EN 301 489-3, Draft EN 301 489-17, EN 301 489-19**

Article 3.2 (2014/53/EU) : **EN 300 328, EN 300 220-2, EN 303 413**

Article 3.3 (2014/53/EU) : Not required

RoHS (2011/65/EU) : **EN 63000**

Photovoltaic Modules :

IEC/EN 61215-1 : Terrestrial photovoltaic (PV) modules. Design qualification and type approval. Test procedures

IEC/EN 61730-1 : Qualification for the operational safety of photovoltaic (PV) modules

Process :

EN 40.3 : Street lighting : design and verification through calculation

EN 40.5 : Street lighting : requirements for steel street lighting

- **The design of the product is aligned with the following standards :**

LED Luminaries :

IEC/EN 62031 : LED modules for general lighting. Safety specifications

IEC/EN 62471 : Photobiological safety of lamps and lamp systems

IEC/EN 61347-1 : Lamp control gear. General and safety requirements

IEC/EN 61347-2-13 : Lamp control gear. Particular requirements for d.c. or a.c. supplied electronic controlgear for LED modules.

Photometric performances :

NF EN 13201-3 : Road lighting - Part 3: Calculation of performance

NF EN 13201-4 : Road lighting - Part 4: Methods of measuring lighting performance

EN 13032-1 & pr En 13032-4 : Measurement and presentation of photometric data of lamps and luminaries. Measurement and file format

LM 79 : Measuring photometric performances

Logistic :

Our packaging and transport strictly comply with the ADR. Accord for Dangerous goods by Road

Name, position of authorized representative :

Name : BELLIARD Rudy

Position : CEO

Date : February 12th 2025

Signature :



Registered office: 4 Rue G.J. Mendel - 49070 Beaucouzé
Simplified Corporation with a capital of 222 203 Euros
Business Registry of Angers 495 383 812 - SIRET: 495 383 812 00049
APE Code 2740 Z - Intra-community VAT: FR 92 495 383 812