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NIP 5481398489 REGON 070729502
KRS 0000736727
VIII Wydział Gospodarczy Sądu Rejonowego w Bielsku-Białej
ING Bank Śląski – numer konta:
17 1050 1070 1000 0090 3059 3009

Górki Wielkie, 05.05.2026

EU Declaration of Conformity

Solar grave lantern / Grave lantern with solar LED cap Ø72 mm / Solar LED cap Ø72 mm

1. Manufacturer / Importer:

ADMIT Sp. z o.o. Sp.k.
ul. Stary Dwór 16, 43-436 Górki Wielkie, POLAND
Tel. +33 851 90 00, email: biuro@admit.pl, www.admit.pl, NIP: PL5481398489

2. Product description

Decorative grave lantern designed for outdoor memorial illumination.

- The product consists of:
- glass lantern body
- plastic base
- removable solar LED cap
- integrated photovoltaic panel
- rechargeable battery
- LED light source
- dusk sensor (automatic on/off)

Lantern models may differ in the shape or decoration of the glass body, while the solar lighting module remains identical.

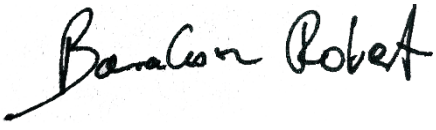
4. Compliance with EU legislation

The product complies with:

- Electromagnetic Compatibility Directive (2014/30/EU)
- RoHS Directive (2011/65/EU)
- Battery Directive (2006/66/EC)

5. Harmonised standards applied:

- EN IEC 55015:2019
- EN 61547:2009
- EN IEC 63000:2018



Prepared by: Robert Barabosz
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Place of issue: Górki Wielkie

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Conformity Assessment Procedure

The conformity assessment of the product has been carried out in accordance with the applicable European Union harmonisation legislation.

The manufacturer declares that the product complies with the requirements of the following directives:

- Electromagnetic Compatibility Directive (2014/30/EU)
- RoHS Directive (2011/65/EU)

The conformity assessment procedure has been performed by the manufacturer in accordance with the internal production control procedure (Module A) as defined in the relevant EU legislation.

Under this procedure, the manufacturer ensures and declares that the products placed on the market comply with the applicable essential requirements of the above directives.

Technical Documentation

The manufacturer prepares and maintains technical documentation for the product in accordance with the requirements of EU legislation.

The technical documentation is kept for inspection by the competent authorities for the required retention period.

The technical documentation includes, but is not limited to:

- general description of the product
- product design and manufacturing information
- technical specifications and parameters
- drawings, diagrams and schematics of the product
- descriptions of materials and components used in the product
- identification of critical components and suppliers
- product labeling and marking information
- packaging and labeling data
- instructions for use and safety information
- results of internal conformity assessments and risk evaluation
- verification of compliance with applicable harmonised standards
- EU Declaration of Conformity
- documentation confirming compliance with RoHS requirements
- traceability information for production batches

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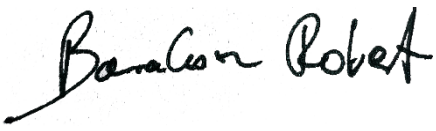
The manufacturer ensures that all relevant documentation is properly stored and available for inspection by the market surveillance authorities upon request.

Quality and Compliance Control

The manufacturer applies internal quality control procedures to ensure that all manufactured products remain in conformity with the declared technical specifications and applicable EU legislation.

Production processes, materials and components are monitored to ensure consistent product safety and compliance.

Any modifications to the product design, materials, components or manufacturing process are reviewed to ensure continued compliance with the applicable directives.



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Technical Product Description

1. General Product Description

The product is a solar grave lantern intended for decorative outdoor illumination of memorial sites.

The lantern consists of three main structural components:

- Glass lantern body – decorative glass container forming the main visible structure of the lantern
- Plastic base – structural base element supporting the lantern body
- Plastic solar cap – upper element containing the solar lighting module and electronic components

The solar cap houses the lighting and energy system, including a photovoltaic panel, rechargeable battery, LED light source and electronic control circuit.

The product is designed for outdoor use and provides automatic illumination during nighttime using energy stored from solar charging.

2. Lighting System

The light source used in the product is:

- LED diode emitting white light

The LED light is diffused laterally through a transparent diffuser element, providing soft ambient illumination around the lantern.

This lighting design ensures decorative illumination while minimizing glare.

3. Electronic Components

The solar cap contains the following electronic components:

- photovoltaic solar panel (2,5cm x 2,5cm model)
- rechargeable Ni-MH battery (1.2 V / 40 mAh) charging current: 4 mA, charging time: 14 h
- LED light source
- dusk sensor circuit via photovaltaic panel (no separate photosensor)
- internal power management electronics (YX8018 type)
- concealed ON/OFF switch located inside the solar cap

4. Functional Elements

The product operates automatically according to environmental light conditions.

Functional features include:

- automatic dusk activation – the lantern switches on automatically at low ambient light levels
- automatic daytime charging – the battery is charged via the integrated solar panel during daylight
- manual ON/OFF switch located inside the solar cap for user control
- energy-efficient LED lighting system

5. Technical Specifications

Power supply:
Rechargeable battery powered system charged by solar panel

Battery:
Ni-MH rechargeable battery
1.2 V / 40 mAh

Light source:
LED diode – white light

Nominal power consumption:
approx. 0.01-0.02 W (pulsed operation, average current approx. 10-15mA)

Solar charging:
Integrated photovoltaic panel

Operating temperature range:
−20°C to +40°C

6. Mechanical Construction

The product consists of interchangeable decorative glass lantern bodies combined with a standardized base and solar cap.

Because the glass body shape may vary between product models, certain parameters may differ depending on the design.

Variable parameters include:

- total lantern height
- glass shape and volume
- total product weight

Standardized components:

- plastic base
- solar cap Ø72 mm
- electronic module

7. Materials and Origin

Glass lantern body:
Manufactured in Poland

Plastic base and solar cap:
Manufactured in Poland

Electronic components (solar module, battery and circuit):
Manufactured in China

Final product assembly:
ADMIT Sp. z o.o. Sp. k.

8. Environmental Resistance

The product is designed for outdoor conditions and provides resistance to typical environmental factors.

The materials used in the lantern provide:

- resistance to moisture and precipitation
- resistance to typical outdoor environmental conditions
- temperature resistance within the specified operating range
- material fire resistance appropriate for decorative lantern products

9. Product Identification and Traceability

Each product unit is identifiable through production marking placed on the packaging.

Traceability information includes:

- production date
- production batch number
- EAN identification code

The batch identification code is located next to the EAN barcode on the product packaging, allowing traceability of production batches.

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10. Electromagnetic Compatibility

The electronic components contained within the solar cap are designed to operate in compliance with applicable electromagnetic compatibility requirements.

The product does not generate significant electromagnetic emissions and is not sensitive to normal levels of electromagnetic disturbance present in residential environments.

Compliance is ensured in accordance with the requirements of:

- Electromagnetic Compatibility Directive (2014/30/EU)

11. Product Labeling and User Information

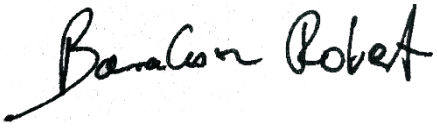
Each lantern is equipped with two forms of product information and identification.

A permanent product label is affixed to the bottom of each lantern. This label contains essential product identification data including the manufacturer information, product model identification, EAN code, serial/batch code and regulatory markings such as CE and WEEE symbols.

In addition, each lantern is supplied with a product hang tag attached to the lantern. The hang tag identifies the product as a solar grave lantern and provides multilingual instructions for use, including activation of the ON/OFF switch, solar charging requirements and automatic dusk operation.

The reverse side of the hang tag also contains environmental and disposal information, guiding the user on proper disposal of electrical equipment and components in accordance with applicable waste management regulations.

Both the label and the hang tag form part of the product identification and user information system used for the solar grave lantern.



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Risk Assessment

The following risk assessment has been prepared for the solar grave lantern, taking into account the intended use of the product, its construction, materials, electrical components and normal consumer handling conditions.

Hazard / Potential Risk	Possible Cause	Possible Effect	Preventive / Protective Measure	Severity	Probability	Residual Risk
Battery overheating	Internal battery defect, improper charging conditions, component failure	Reduced product performance, damage to internal module, risk of deformation of plastic parts	Use of low-voltage low-capacity Ni-MH battery, internal production control, component verification, functional testing after assembly	Low	Low	Low
Battery leakage	Battery aging, manufacturing defect, improper storage conditions	Damage to internal electronic components, reduced functionality, possible corrosion	Use of standard rechargeable battery, inspection of supplied components, storage under controlled conditions, batch traceability	Medium	Low	Low
Failure of solar charging function	Defective photovoltaic panel, poor electrical connection, damaged internal circuit	Battery not charged, reduced or no night illumination	Incoming component inspection, functional charging test, production batch control	Low	Medium	Low
Failure of dusk sensor	Sensor malfunction, PCB defect, assembly defect	Lantern does not switch on automatically at dusk or remains on during daylight	Functional testing in light/dark conditions, inspection during final quality control	Low	Medium	Low
LED light source failure	Defective LED component, internal circuit issue, poor soldering/contact	No illumination or unstable illumination	Functional lighting test, control of electronic module quality, rejection of defective units	Low	Medium	Low
Electrical short circuit inside cap	Defective assembly, damaged wiring/contact points, moisture ingress	Loss of function, local heating, damage to internal electronics	Simple low-voltage design, controlled assembly process, component inspection, use in intended conditions only	Medium	Low	Low
Water ingress into solar cap	Improper fit of cap components, seal weakness, mechanical damage during transport or use	Corrosion, reduced functionality, charging failure, short circuit in internal electronics	Mechanical fit control, visual inspection, proper packaging, intended outdoor decorative use under normal environmental exposure	Medium	Low	Low

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Mechanical breakage of glass body	Impact during handling, transport, or consumer use	Cuts, sharp fragments, product damage	Protective packaging, handling instructions, visual inspection before release, use of standard glass lantern construction	Medium	Medium	Medium
Fire hazard from product materials	Exposure to external flame, abnormal use, severe internal defect	Damage to product or surroundings	Product intended for decorative solar use only, low-power LED system, non-candle construction, labeling of intended use	Medium	Low	Low
Improper disposal of battery/electronic parts	Disposal with mixed household waste	Environmental impact, non-compliance with waste handling rules	WEEE marking, battery disposal information, packaging labeling, disposal instructions	Medium	Medium	Low
Electromagnetic disturbance emission	Internal electronic control circuit	Possible interference with nearby equipment	Low-power simple electronic design, EMC conformity assessment, internal compliance review	Low	Low	Low
Sensitivity to electromagnetic disturbance	External electromagnetic environment	Temporary malfunction or irregular switching	Product designed for normal residential/outdoor consumer environments, EMC conformity assessment	Low	Low	Low
Degradation due to outdoor conditions	Long-term exposure to UV, moisture, dust, frost, temperature changes	Reduced service life, loss of appearance, reduction of functional performance	Material selection suitable for outdoor use, declared operating range from −20°C to +40°C, routine quality control	Low	Medium	Low
Misidentification of production batch	Missing or unclear production marking	Difficulty in traceability, limited corrective action capability	Batch code placed next to EAN code, controlled labeling process, retained production records	Medium	Low	Low

Risk Assessment Conclusion

Based on the product design, low-voltage power system, intended decorative use and applied internal quality control measures, the solar grave lantern is considered to present a low overall residual risk under normal conditions of use.

The remaining risks are typical for decorative consumer products intended for outdoor use and are reduced to an acceptable level through design measures, production control, labeling and traceability.

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Product Identification and Traceability

Each product is identified by means of product marking placed on the packaging.

The identification system includes:

- EAN code, used to identify the commercial product variant
- serial / production code, used for internal traceability of the product

The serial / production code consists of:

- a model identifier
- followed by the production date written in reverse order

The serial number and the production date are combined in one code format.

This coding system enables identification of:

- product model
- date of production
- production batch traceability

The serial / production code is placed next to the EAN barcode on the product packaging.

Production records linked to this code are retained by the manufacturer as part of the technical and quality documentation.

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Functional Testing and Illumination Verification Procedure

1. Purpose

The purpose of this procedure is to verify the proper functionality, illumination performance and operational reliability of solar grave lanterns before they are released for distribution.

The procedure ensures that each production batch meets the required technical specifications and quality standards.

2. Scope

This procedure applies to all solar grave lanterns produced or assembled by:

ADMIT Sp. z o.o. Sp. k.

The procedure covers verification of:

- solar charging functionality
- automatic dusk activation
- LED illumination performance
- mechanical integrity of the solar cap
- ON/OFF switch functionality
- basic visual quality control

3. Equipment and Tools

The following equipment may be used during testing:

- controlled light source or daylight exposure area
- dark test environment (or covered test box)
- stopwatch or timer
- visual inspection tools
- inspection checklist / control protocol

Optional equipment (if available):

- lux meter for illumination verification
- environmental temperature monitoring

4. Testing Methodology

4.1 Visual Inspection

Before functional testing, each sample shall undergo visual inspection to verify:

- absence of visible damage to glass body
- correct installation of solar cap
- integrity of plastic base and cap
- cleanliness of solar panel surface

4.2 Charging Test

The solar lantern shall be exposed to light conditions for charging.

Procedure:

1. Place the lantern under direct light (natural sunlight or equivalent illumination).
2. Allow the solar panel to charge the internal battery for a minimum of 30–60 minutes.
3. Verify that the battery charging system is operational.

4.3 Dusk Activation Test

1. After charging, place the lantern in a dark environment.
2. Verify that the LED light automatically turns on within several seconds.

4.4 LED Illumination Verification

Verify that:

- the LED light activates correctly
- the light output is stable
- the diffuser distributes light laterally around the lantern
- no flickering or intermittent operation occurs

4.5 ON/OFF Switch Test

Verify that the internal ON/OFF switch:

- properly activates the lantern when set to ON
- disables operation when set to OFF

5. Acceptance Criteria

A product is considered compliant if:

- LED light activates automatically at low ambient light levels
- solar charging function operates correctly
- light emission is stable and continuous
- no visible mechanical damage is present
- ON/OFF switch operates correctly

Products failing any of the above criteria are considered non-conforming.

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6. Handling of Non-Conformities

Products identified as non-conforming shall be:

1. separated from conforming products
2. marked as non-conforming items
3. evaluated for repair, rework or rejection

Corrective actions may include:

- replacement of solar cap
- replacement of electronic module
- removal from production batch

All non-conformities shall be documented.

7. Documentation

Testing results are recorded in the Functional Test Protocol.

The protocol includes:

- product identification
- production batch number
- inspection date
- test results
- inspector identification

All records are archived as part of the product technical documentation and quality control records.

8. Functional Test Control Protocol

Data testu	Seria produktu	Numer świecy	Działa ON/OFF	Światło stabilne	Baterie pasują	Czas świecenia	Osiągnięto 30 dni	Uwagi

9. Responsible Personnel

The following personnel are responsible for implementation of this procedure:

- Quality Control Inspector
  Responsible for performing visual inspection and functional testing.
- Production Supervisor (Brygadzista)
  Responsible for ensuring that tested products meet production requirements and that non-conforming products are segregated.
- Production Engineer
  Responsible for maintaining testing procedures, evaluating technical issues and implementing corrective actions if required.

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Product Appearance

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Product Label

The product label is a **paper label permanently affixed to the bottom of each lantern**.
It is securely attached using adhesive and remains a **permanent and integral part of the product throughout its use**.

The label contains essential product identification information, including the manufacturer details, product model, EAN code, serial/batch code and required regulatory markings.

The general layout and structure of the label remain identical for all product variants. Only the **product name, EAN code and serial/batch identification** differ between models.

Different **language versions of the label may be used depending on the destination market**.

The label also includes a reference indicating that **more detailed usage and safety information is provided on the product hang tag**, which is attached to the lantern and contains the user instruction.

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Product Hang Tag

Each solar grave lantern is supplied with a **product hang tag attached to the lantern**. The tag is inserted inside the lantern body and partially protrudes through the top opening, making it visible to the consumer at the point of sale.

The hang tag clearly identifies the product as a **solar grave lantern (solar LED memorial lantern)**. On the reverse side of the tag, detailed information is provided regarding **product operation, activation of the ON/OFF switch, solar charging requirements, and automatic dusk operation**.

The reverse side of the tag also includes **important environmental and disposal information**, including guidance on proper disposal of electrical equipment and batteries in accordance with applicable waste management regulations. The instructions inform the user that the product should not be disposed of together with mixed household waste and should instead be delivered to an appropriate collection point.

The hang tag contains multilingual user instructions explaining the basic activation procedure, including removal of the transparent protective part of the cap and setting the internal switch to the ON position before first use. It also informs the user that the solar cap requires exposure to daylight for full battery charging and that the lantern automatically turns on at dusk and turns off at dawn.

The tag additionally includes regulatory and informational markings such as **CE marking, WEEE symbol (crossed-out wheeled bin), material identification symbols and manufacturer contact information**, ensuring compliance with applicable product labeling requirements.