

# NOWATT LIGHTING

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# MIKA

User guide

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### Overview

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Usage: Solar luminous dot connected with Led for outdoor facades, with no cabling.

The Mika stud is standalone thanks to a solar panel and a battery.

LEDs' color: Colors RGB + White 4000 K.

Structure: Tempered glass frame thickness 10 mm + machined aluminum frame.

Battery LiFePO4.

Solar panel Sunpower Back Contact.

Operating temperatures: - 10° C / + 60° C.

Class III – IP67 – IK09 – CE.

Product lifespan over 20 years.

The Mika stud exists in two versions, differing essentially in their size.

- Mika Mini :

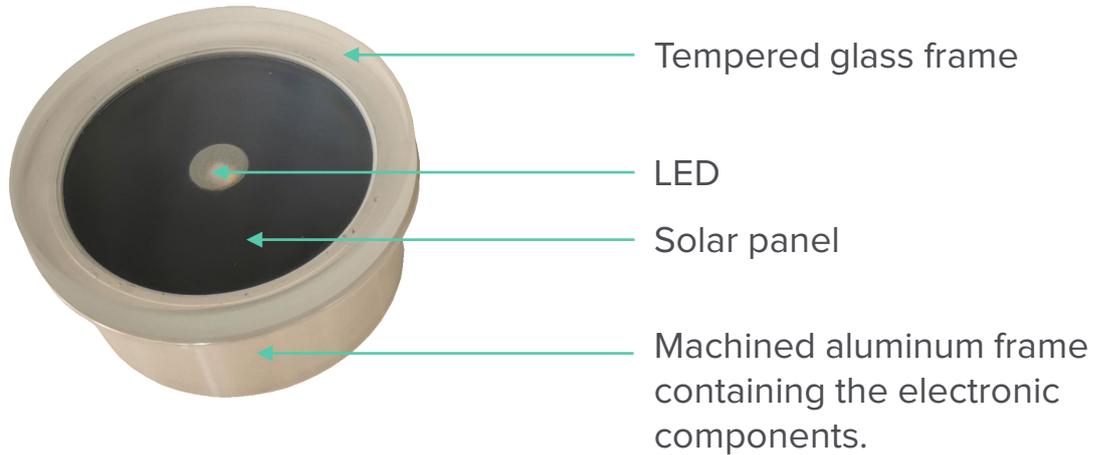
Dimensions: 76 x 40.5 mm.

Weight: 300 g.

- Mika Max :

Dimensions: 110 x 47 mm.

Weight: 900 g.



## Unpacking

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Check all parts for damage.

Do not put the product into service in case of damaged solar panel or LED.

The identification number of your Mika stud is indicated on a label under the product.

## Fixture positioning tips

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Choose a suitable location where sunlight can directly reach the solar panel.

Avoid obscuration by eaves or trees.

In the northern hemisphere, favor installation to the south of obstacles (on facades or on the ground), or to the east or west. Do not install due north.

In the southern hemisphere, favor installation to the north of obstacles, to the east or to the west. Do not install due south.

### Recommendations

The most critical time for solar lighting is winter.

Days are shorter than in summer, and the sun is lower in the sky. Therefore, it is advisable to assess the correct positioning of a solar lighting device in winter, to avoid shadow areas.

It is advisable to draw up a layout plan of the site before installation. You can indicate the location of the devices there, making sure to note their identification numbers indicated on their labels.

### Example

In winter, the sun is 21° in Bordeaux, France at noon. A 2-meter-high wall then has a shadow cast of 5 meters directed towards the North.

In summer, the sun is 68° in Bordeaux, France at noon. A 2-meter-high wall then has a shadow of 70 cm directed towards the North.

In Bordeaux in winter, the sun rises in the southeast at 7:30 a.m. and sets in the southwest at 4:30 p.m.

In Bordeaux in summer, the sun rises in the northeast at 4:30 a.m. and sets in the northwest at 8 p.m.

More information: [www.sunearthtools.com/dp/tools/pos\\_sun.php?lang=en](http://www.sunearthtools.com/dp/tools/pos_sun.php?lang=en)

## Control with the Nowatt Lighting application

### Download the Nowatt Lighting app

The Nowatt Lighting application is free to download from the Play Store and the Apple Store. You can download it on a Smartphone or a tablet.

### Activate your Bluetooth connection

### Start the Nowatt Lighting application on your Smartphone

The app asks you for permission to access Bluetooth. Tap "Allow" then "OK".

### Home page

Products are divided into two groups: those you have already logged into are listed at the top in "My Modules". Others are listed below in "New Modules".

To connect to a device, click on its identification number shown in the menu.



### Enter your password



Nowatt Lighting will communicate a password by default in the user guide delivered with the device.

You can change the password to secure your product in the settings.

**It is important to check with the person in charge of programming that the modified password will be recorded and distributed to those responsible for the project.**

### Homepage information

#### Battery charge status

Your module may display a 0% state of charge on startup. Wait a few seconds for the actual percentage to display.



Identification number of your product

Mode : OFF / Activated / Demo

Identification of the model of your product

Settings

All scenarios available in the app

### Select a color

Tap "ON" then "Custom Color" at the bottom of the page to select your color.

Use the color wheel or RGBW sliders, then press "Save" to save your color.

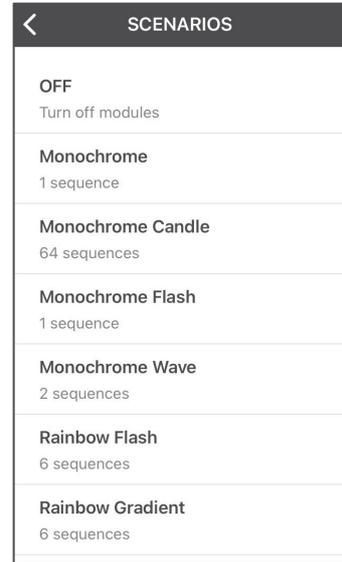
To delete a color, long press on the color box and then press "yes".



### Select a light animation

Tap "Scenario".

Select a light effect from the 8 choices available.



**Rainbow Chain**



**Rainbow Gradient**



**Monochrome Candle**

*Color at choice.*



**Monochrome**

*Color at choice*



**Rainbow Flash**

*Choice of the number of flash by second.*



**Rainbow Wave**



**Monochrome Flash**

*Color at choice.*

*Choice of the number of flash by second.*

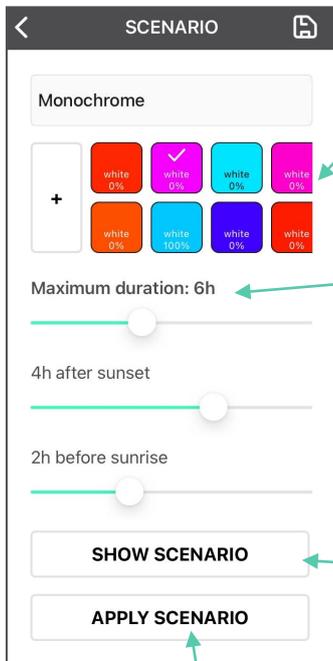


**Monochrome Wave**

*Color at choice.*



### Confirm your product settings



If you selected a Monochrome scenario, confirm the color.

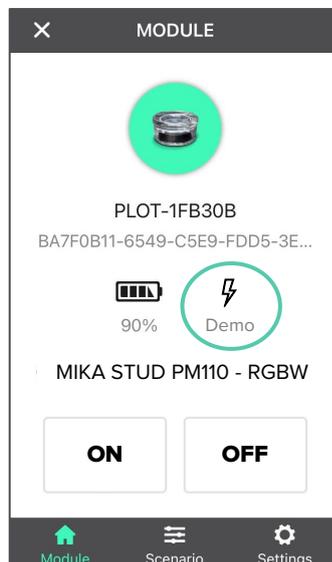
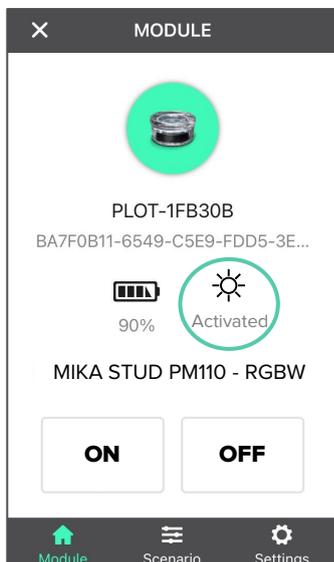
Select the operating time of your device with the sliders:

- Total duration of use
- Number of hours after sunset
- Number of hours before sunrise

Check your program with demo mode by tapping "Show Scenario". **Please note that this only allows you to view the light effect. The scenario is not saved for the following nights.**

Tap "Apply Scenario" to save it. It will light up every night with this scenario.

### Check your programming



If the home page indicates OFF or Demo, your scenario is not saved, you must repeat the previous steps.

### Grouping function

The grouping function allows you to create groups to send the same scenario to several devices simultaneously (within the range of Bluetooth). However, this operation does not allow synchronized operation of the devices. They receive the same scenario, at the same time, but they do not communicate with each other. They remain independent.

1. Tap “Groups”.

2. Select the type of products you want to group.

3. Enter the products you want to include in the group. Warning: only the products for which you have previously entered the password during a first connection can be grouped.

4. Choose your scenario.

5. Apply the scenario.

### Front installation

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#### Wall-mounted installation

The Mika stud can be installed protruding from facades using the D20 fixing piece (M8x30).



Screw the D20 fixing to the back of the Mika stud using the M4 screws provided and an Allen key.

Place an M8x30 insert complementary to the D20 fixing and adapted to your façade, at the location where you wish to place the Mika stud.

Screw the Mika stud into the insert.

## **Cleaning and care**

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The product requires no maintenance.

Regular checks for damage can increase the lifespan of the product.

Removing dirt can help increase product performance.

## **Risk of material damage**

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Unsuitable detergents may damage the luminaire.

Check surface tolerance with detergents.

If there is dirt or weather deposits on the solar collector, clean the glass plate with a soft cloth and mild detergent.

## **Waste management**

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Please observe the legal obligations relating to waste management.

Return old devices to your dealers or directly to Nowatt Lighting.

Do not dispose of old devices with unsorted household waste.

Do not throw old devices into fire or water.

## **CE declaration of conformity**

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This product complies with the requirements of the following standards, laws and directives:

- Electromagnetic Compatibility Directive 2004/108/EC
- RoHS Directive 2001/65/EC
- Batteries and Accumulators Act (BattG)
- WEEE Electrical and Electronic Devices Directive 2012/19/EU

## Warranty

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Nowatt Lighting products are manufactured with the utmost care.

The function and safety of this product have been tested according to the currently valid directives, with a final inspection.

Nowatt Lighting guarantees faultless condition and operation.

The warranty period is 24 months and begins on the day of sale to the customer.

It includes the elimination of defects resulting from a defect in material or construction.

The warranty will be provided at our discretion by repair or exchange of defective parts.

The warranty does not apply to wearing parts.

The warranty does not apply to damage or defects due to improper use or maintenance.

Consequential damage to other objects is excluded from the warranty.

The warranty only applies if the undisassembled device is returned accompanied by a brief description of the defect and a receipt or invoice bearing the date of purchase and the seller's stamp.

Please send the product properly packaged to the after-sales service.

In the event of faults not covered by the guarantee, contact your point of sale to find out if a repair of the device is possible.

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