


markilux MX-4 wall light



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Explanation of the signal words



DANGER

Marks an imminent danger that leads to death or serious injuries.



ATTENTION

Marks important information that must be taken into account.



WARNING

Marks a possible potential risk from **current**, that can lead to death or serious injuries.

1 Use and important instructions



All instructions in this manual must be read and observed. Carefully read this manual and keep it for future reference.



For reasons of safety and approval, unauthorised retrofitting and/or change to the lamp is not permitted. Any other use than the one described in this manual is not allowed and may lead to damaging the product. Furthermore it is connected with hazards such as e.g. short circuits, fire, electric shock etc.



The radiation intensity of this LED lamp is harmless for humans and is lower than the RG 2 range in accordance with EN 62471. However, it is suggested not to look for a long time at the centre of the light source.



The LED lighting can heat up a lot. The lighting has to be switched off for some some minutes to cool down before you touch the individual lamps.



Persons not familiar with the proper use of the markilux MX-4 lamp must not operate it. This also applies to children and persons with limited physical, sensory or mental capabilities or with lacking experience and/or knowledge about the device.



Do not touch or pull the mains leads (230 V) and the cables visible at any movement point of the folding arm. No objects must be suspended from these mains leads.

The mobility of the mains lead is limited in temperatures below zero. Therefore it has to be ensured, whether the electrician has protected the connection of your lighting via an RCCB (30mA), so that any eventual cable breakage does not pose any hazard.



Electrical installations or repairs are to be carried out only by qualified electricians in accordance with the installation regulations DIN VDE 0100.



The lighting system must be disconnected from the electricity supply during work on the system (unplug, switch off fuse). Switch on the wall light only when all line connections have been fully established.



Do not operate markilux MX-4 lamps together with fluorescent lamps, fans etc.) on the same circuit, since voltage peaks can damage the integrated electronic transformer.



The devices of IP rating 44 are authorized for indoor and outdoor use.



Safety shutdown: Trained radio receivers remain programmed after power interruption.

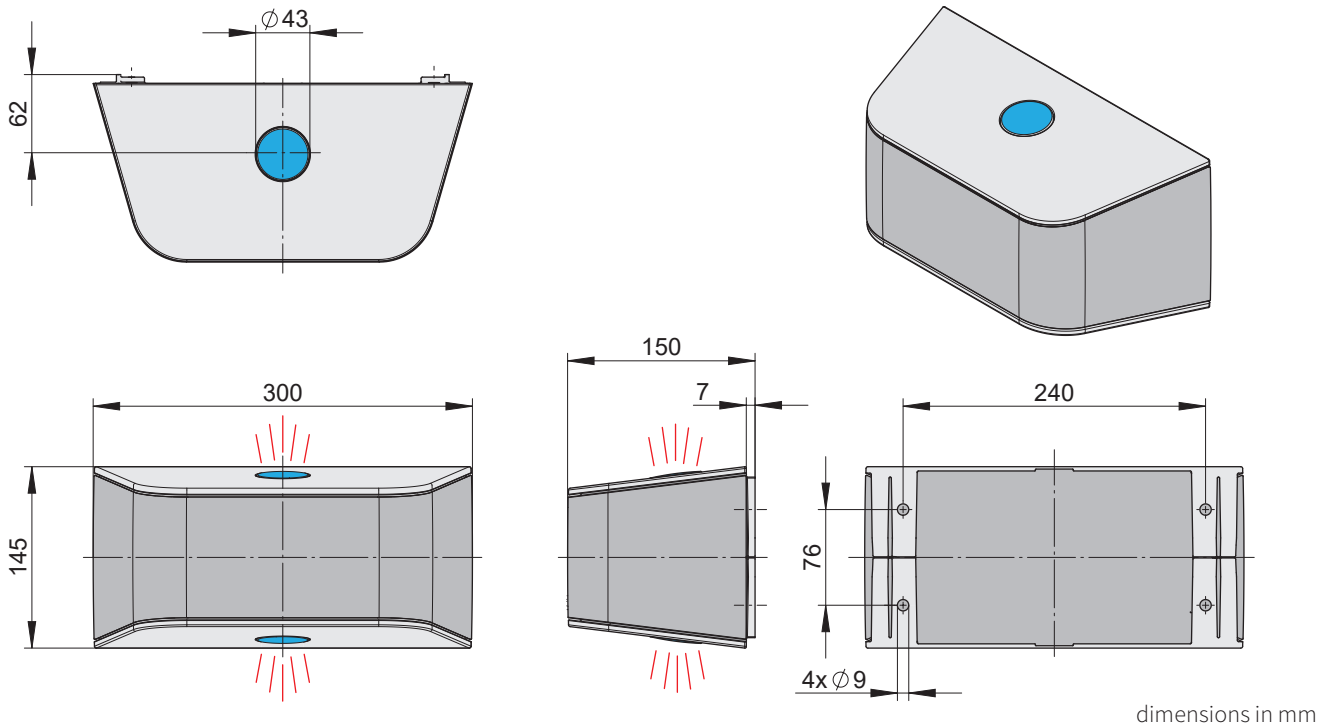
They are then switched off by default, however can be switched back on directly after the interruption.



For safety reasons, the electronic transformer switches off automatically at a temperature of 80°C and on again after an appropriate cooling down phase.

Please check the perfect condition of the markilux MX-4 lamp and the scope of delivery after unpacking. Should you notice any damage or incompleteness in the delivery scope, you have to inform us immediately in order to assert any eventual warranty claims.

2 Overview of dimensions



3 Lighting

Colour variants:

WW = warm white

RGB-WW = RGB colour light change and warm white

Automatic safety off switch:

Radio io – 3/6/12 hour timer (must be activated retroactively)

1 = LED-Spots WW

- 1.1 = Below
- 1.2 = at the top
- 1.3 = bottom and top

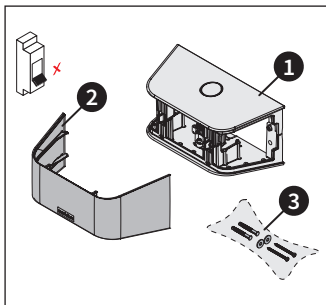
2 = LED-Spots RGB WW

- 2.1 = Below
- 2.2 = at the top
- 2.3 = bottom and top

3 = LED-Spots GU10

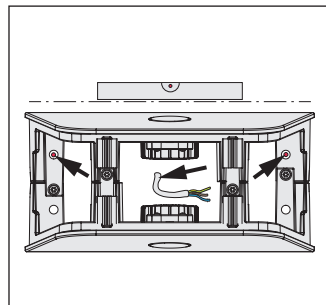
- 3.1 = Below
- 3.2 = at the top

4 Installation




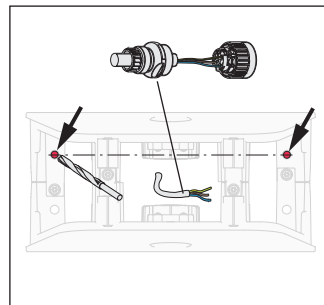
1. Remove lamp (1), cover profile (2) and accessories (3) from the carton.

 Switch off RCCB (FI) for the lamp.

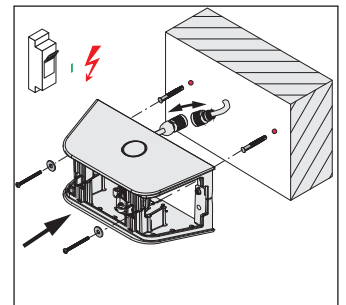


2. Hold the lamp to the desired position and mark holes to be drilled.


 The cable exit must be behind the lamp.



3. Drill and mount the socket.



4. Mount the lamp to the wall using dowels, washers and screws. Fit the cover profile.

 Switch the RCCB (FI) for the lamp back on.

5 LED-Spots WW

Version: Radio io
Zigbee
Radio RTS
no radio

"Radio io" requires a handheld remote or the Smart Home control (e.g. Tahoma Switch by Somfy).

A Smart Home control is required for "Zigbee". Further technical information can be found in the manufacturer's documentation.

If there is "no radio", the lamp is controlled via a switch with the "ON/OFF" function. Here the LED driver is switched on or off.

Technical data

OPERATING VOLTAGE:	230 V / 50 Hz
POWER RATING OF A SPOT LIGHT:	5 W
ILLUMINANTS:	LED (24 V)
NUMBER OF TRANSFORMERS:	1 unit
LIGHT COLOUR:	warm white
IP PROTECTION CLASS:	IP 44
OPERATING LIFE:	about 20,000 hours
PLUG CONNECTION	SK2

6 LED-Spots RGB WW

Version: Radio io
Zigbee


"Radio io" requires a handheld remote or the Smart Home control (e.g. Tahoma Switch by Somfy). A Smart Home control is required for "Zigbee". Further technical information can be found in the manufacturer's documentation.

Technical data

OPERATING VOLTAGE:	230 V / 50 Hz
POWER RATING OF A SPOT LIGHT:	5 W
ILLUMINANTS:	LED (24 V)
NUMBER OF TRANSFORMERS:	1 unit
LIGHT COLOUR (RGB WW):	RGB colour light change and warm white
IP PROTECTION CLASS:	IP 44
OPERATING LIFE:	about 20,000 hours
PLUG CONNECTION	Mizu-P25

7 LED-Spots GU10

Version: Radio io
Zigbee

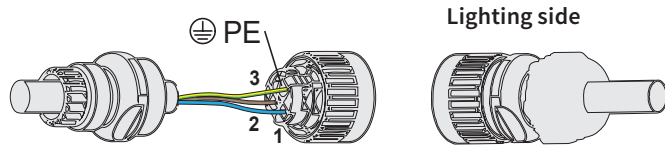
 Smart Home controls are required. Further technical information can be found in the manufacturer documentation.

Technical data

PRODUCT TYPE:	Philips Hue white & color ambiance
OPERATING VOLTAGE:	230 V / 50 Hz
POWER RATING OF A SPOT LIGHT:	5.7 W
ILLUMINANTS:	LED (230 V)
NUMBER OF TRANSFORMERS:	1 unit
LIGHT COLOUR:	RGB coloured light change and white to warm white
IP PROTECTION CLASS:	IP 44
OPERATING LIFE:	about 15,000 hours
PLUG CONNECTION:	GU10

8 Power connection

Plug connector (CA3LD), see figure



Connection to cable H05RN-F 3G1:
3 x 1 mm²

- 1 = continuous voltage 230 V / 50 Hz (brown) = with radio
- 1 = ON / OFF (brown) = only for LED spotlights WW
- 2 = neutral N (blue)
- 3 = free
- PE = earth conductor (green / yellow)

9 Portable remote control

markilux hand-held remote control io
(868 MHz)

io 1-channel

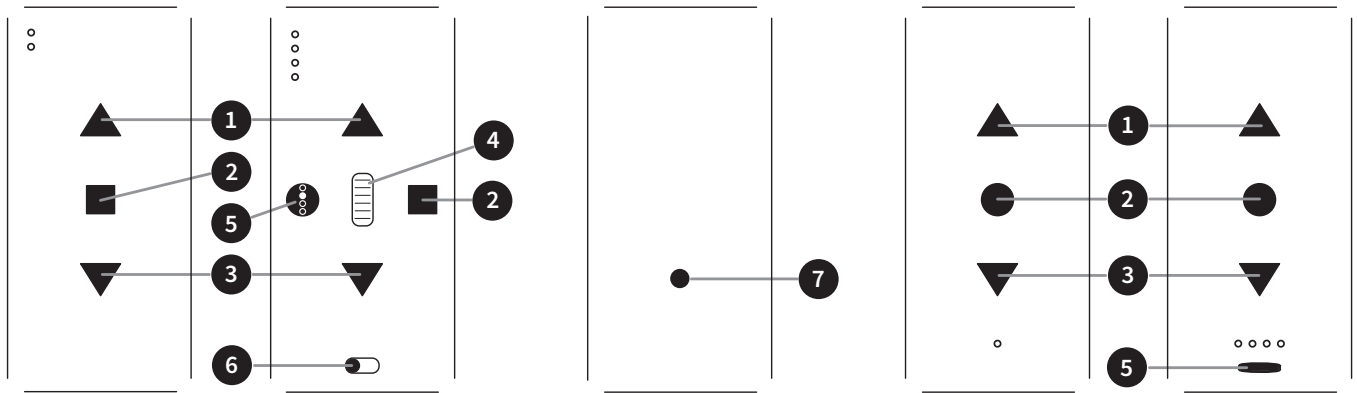
io 5-channel

io / RTS
back

markilux hand-held remote control RTS
(433 MHz)

RTS 1-channel

RTS 4-channel



- 1 = LED-Spots WW
- 1 = LED-Spots RGB WW
- 2 = LED-Spots WW
- 2 = LED-Spots RGB WW
- 3 = LED-Spots WW
- 3 = LED-Spots RGB WW
- 4 = Scroll wheel

Short pressing of the button

- ON- button
- ON / Next colour selection- button
- Brightness STOP- button
- Colour change STOP- button
- OFF button
- OFF / Last colour selection- button
- Dim

Long pressing of the button

- High dimming- button
- Colour change- button
- Saved brightness- button
- Saved coloured light and brightness- button
- Dim down- button
- Colour change- button
- Dim

i The desired brightness / colour choice is saved by pressing button 2 **very long**. (reaction - light on / off)

- 5 = Channel selection button
- 6 = AUTO / MANU- switch
- 7 = PROG- button

10 Replacing a defective lamp


These instructions for the replacement of defective lamps must be read and observed.


For the lighting, exclusively LED spotlights with a very high service life are used.

If an LED-Spot is defective you can change it yourself.

 Examine the lamp regularly for any signs of wear or damage to cables and lamps. If damages occur, an authorised markilux specialist dealer is to be entrusted with the adjustment.

Lamps requiring repairs must not be used. Only spare parts released by markilux may be used.

 Electrical installations or repairs are to be carried out only by qualified electricians in accordance with the installation regulations DIN VDE 0100.

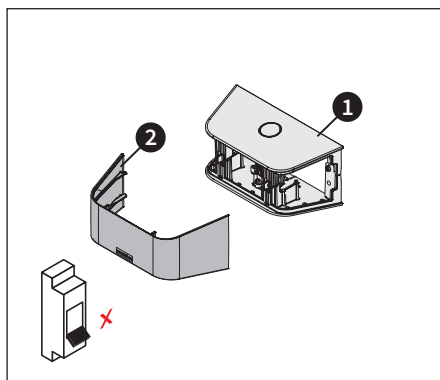
 The lighting system must be disconnected from the electricity supply during work on the system (unplug, switch off fuse). Switch on the lighting only when all cable connections have been established completely.

10.1 Overview spare parts LED-Spots


The following replacement parts are available via your markilux specialist dealer:

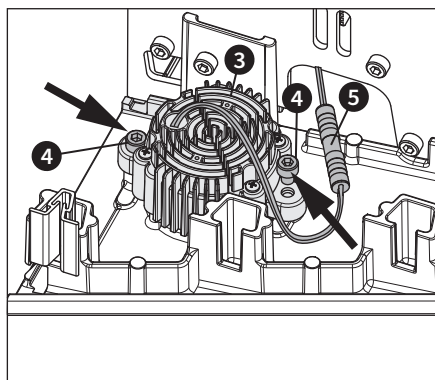
chapter	Lighting type	Article no.
11.2	1 x LED-Spots WW	8272375
11.2	1 x LED-Spots RGB WW	8272374
11.3	1 x LED-Spots Philips Hue white & color ambiance - GU10	8271306

10.2 LED-Spots WW or LED-Spots RGB-WW



1. Remove the side cover (1) that is fixed by clips to the side caps (2) using a wedge.

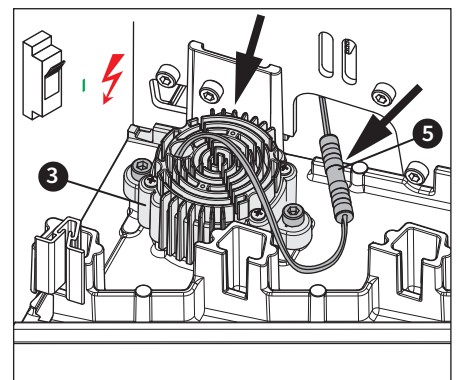
 Switch off the RCCB (FI) for the awning beforehand.




2. Loosen the two cylindrical screws (4), disconnect the plug (5) and remove the defective LED spotlight (3).

LED-Spots (WW) = SK2 plug

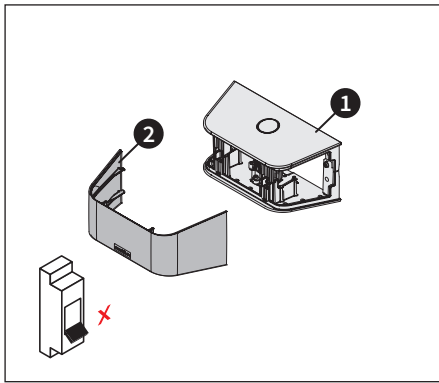
LED-Spots (RGB-WW) = Mizu-P25 plug




3. Insert the new LED-Spots, fix with the cylindrical screws and connect the plug (4).

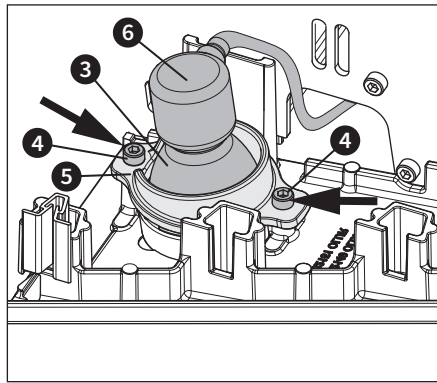
 Subsequently, mount the side cover again and switch on the RCCB (FI).

10.3 LED-Spots GU10

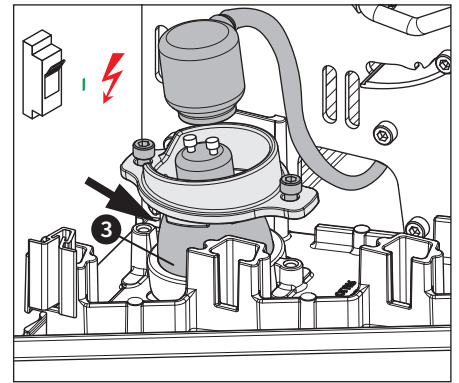


1. Pull off the side panel (1) fixed by clips to the side cap (2) using a wedge.


 Switch off the RCCB (FI) for the awning beforehand.




2. Loosen the two cylindrical screws (4) and pull off the bracket (5) with the LED-Spots (3). Take the LED-Spots (3) out of the GU10 socket (6).



3. Insert the new LED-Spots (3) in the GU10 socket and assemble.


 Subsequently, mount the side panel again and switch on the RCCB (FI).

11 Care and maintenance

 It is important to deenergise the lighting system for all care and maintenance work. (pull mains plug, disengage fuse).

Wipe the housing with a moist, soft cloth. For cleansing of the housing, use commercial detergent for sensitive surfaces (pH-value between 5 and 8). Aggressive acids and scraping materials (like grinding fleece, emery, sand, pumice, etc.) are not allowed because they could alter the surface totally.

Never submerge the device in liquids or spray it.

 Repair and maintenance jobs such as the replacement of spare parts, a damaged outer flexible line or other electrical components, must be carried out only by the manufacturer.

12 CE mark



With the EU Declaration of Conformity we declare that the applicable requirements in accordance with the EU ordinance have been met for markilux awnings. The explanations to this can be downloaded from www.markilux.com on the "downloads" page in the section "for specialist dealers".

13 Disassembly and disposal

13.1 Dismantling

The disassembly of the lamp must only be carried out by a markilux specialist dealer.

13.2 Disposal

Packaging

The packaging protects the product from transport damage. The packaging materials are selected according to environmental and disposal aspects and are therefore recyclable.

Returning the packing to the materials circuit saves raw materials and reduces the accumulation of waste.

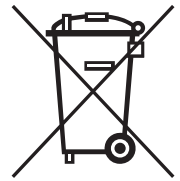
It is therefore essential that you dispose of packaging materials that are no longer required in accordance with the applicable legal regulations.



Electrical units

Electrical units are not worthless waste. Valuable raw materials can be recovered through environmentally friendly disposal.

This product is marked in accordance with Directive 2012/19/EU on Waste Electrical and Electronic Equipment (WEEE)



At the end of its service life, this product must not be disposed of with normal household waste, but must be taken to a collection point for the recycling of electrical and electronic equipment. The symbol on the product, the instructions for use or the packaging indicates this.

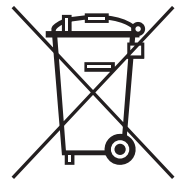
By reusing, recycling or other forms of recycling electrical units, you make an important contribution to the protection of our environment.

It is therefore essential that you dispose of electrical units in accordance with the applicable legal regulations.

Batteries

Batteries and battery packs can contain toxins that are harmful to the environment. Batteries and battery packs must not be disposed of in normal household waste

It is therefore essential that you dispose of batteries and battery packs in accordance with the applicable legal regulations.



14 Legal disclaimer

The graphics and text sections in these instructions have been created with care. No liability can be assumed for any errors and their effects! We reserve the right to undertake technical modifications to the product and to these instructions! The instructions contain copyright-protected information. All rights reserved! The listed product or trade names are copyright trademarks.

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