

Safety information

Electrical connection

- Special regulations apply for electrical installation in outdoor spaces. Only a qualified electrician may perform the electrical installation.
 - The qualified electrician has the necessary professional training, knowledge and experience to perform electrical installation in outdoor spaces. The electrician can detect potential dangers and knows how to adhere to regional and national standards, regulations and directives.
 - For your own safety, please consult a qualified electrician.
- Install the transformer or the power pack at a safety distance of at least 2 m from the water.
- Only connect the unit if the electrical data of the unit and the power supply match.
- Only connect the transformer or power supply unit to a correctly installed outlet.
- Ensure that the outlet is fused for a rated fault current of max. 30 mA by means of a fault current protection device (RCD).

Safe operation

- This unit can be used by children aged 8 and above and by persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they are supervised or have been instructed on how to use the unit in a safe way and they understand the hazards involved. Do not allow children to play with the unit. Cleaning and user maintenance shall not be carried out by children unless they are aged from 8 years and above and supervised.
- Do not look directly into the light source.
- Protect open plugs and sockets from moisture.
- Do not use any system components whose electrical cables or housings are damaged.
- Dispose of the power supply unit if its power connection cable is damaged. The power connection cable cannot be replaced.
- Route lines in such a way that they are protected from damage and do not present a tripping hazard.
- Never pull on electric cables. In particular, never carry units on their cables.
- Never carry out technical modifications to the system components.
- Only use original spare parts and accessories.
- Should problems occur, please contact the authorised customer service or OASE.

Intended use

Only use the product described in this manual as follows:

- As a lighting system.
- Only use in conjunction with units intended by **OASE** for this purpose.
- While adhering to the technical specifications. (→ Technical data)

The following restrictions apply to the units:

- Do not use for industrial purposes.

Product Description

LunAqua Connect is a modular and scalable lighting system for indoor and outdoor areas. It is divided into lights with white light (WHITE) and lights with coloured light (RGB).

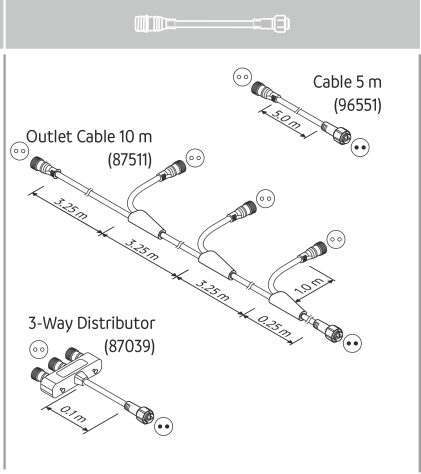
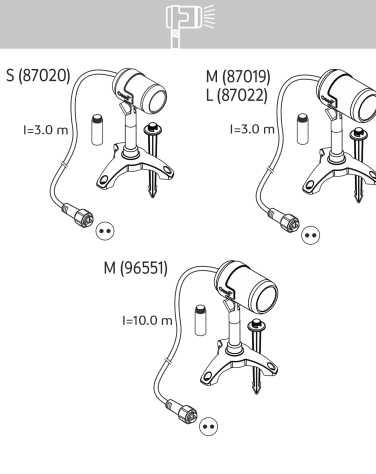
Both variants can be controlled wirelessly in conjunction with the "LunAqua Connect Controller OASE Switch". To do this, you need the free "OASE Switch" app on your smartphone or tablet.

The lights with white light (WHITE) can also be operated without the Controller OASE Switch. They can then only be switched via external switches. In this case, they cannot be dimmed.

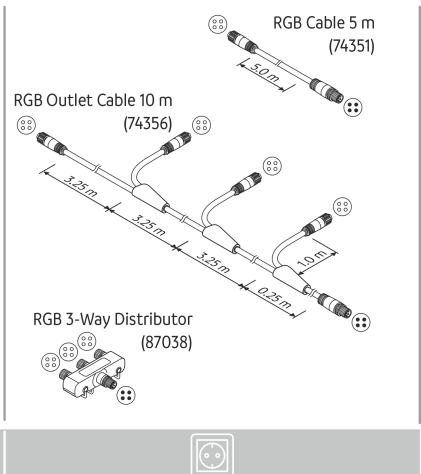
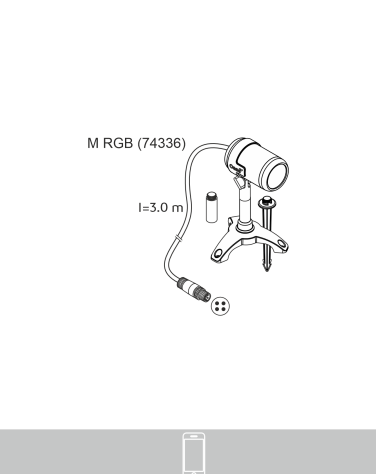
System components

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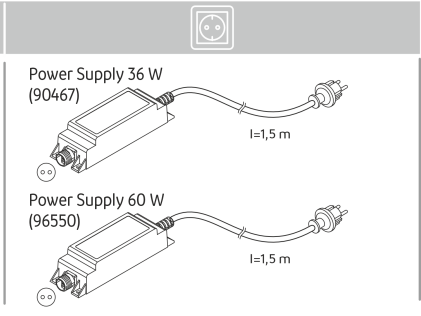
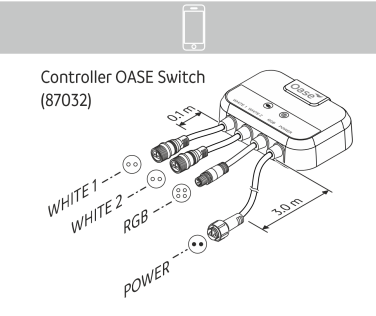
LunAqua Connect WHITE



LunAqua Connect RGB



LunAqua Connect



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Lights

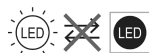
LunAqua Connect S, M, L

- With white light in various light intensities.
- Dimmable in conjunction with the optional Controller OASE Switch.
- Installation optionally with foot or ground stroke.
- Includes 2 extension pieces for raising the position of the light.

LunAqua Connect M RGB

- With coloured light.
- Can only be used in conjunction with Controller OASE Switch.
- Dimmable, selectable light colour.
- Installation optionally with foot or ground stroke.
- Includes 2 extension pieces for raising the position of the light.

Information in accordance with the German Ecodesign Directive / the Energy-Related Products Act (EVPK):



The bulbs cannot be replaced due to the design.

These products contain light sources of energy efficiency class "G".

Cables

Cables and distributors for creating light strands (optional accessory).

- For WHITE (2-pin):
 - LunAqua Connect WHITE Extension Cable 5 m (Article number 96551)
 - LunAqua Connect WHITE Outlet Ext. Cable 10 m (Article number 87511)
 - LunAqua Connect WHITE 3way Distributor (Article number 87039)
- For RGB (4-pin):
 - LunAqua Connect RGB Extension Cable 5 m (Article number 74351)
 - LunAqua Connect RGB Outlet Cable 10 m (Article number 74356)
 - LunAqua Connect RGB 3way Distributor (Article number 87038)

Control system

LunAqua Connect Controller OASE Switch

- For operating the system components via a wireless connection.

Messages from the green status LED:

Off: The Controller is switched off (no supply voltage).

Lights up: The Controller is switched on.

Messages from the blue status LED:

Off: The Controller is not connected to any unit.

Lights up: The Controller is connected to a smartphone/tablet and can be operated.

Flashes slowly (1 × per sec.): Coupling mode active.

Flashes quickly: Firmware update active.

Power supply

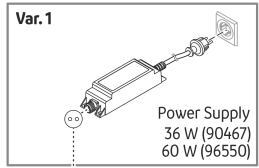
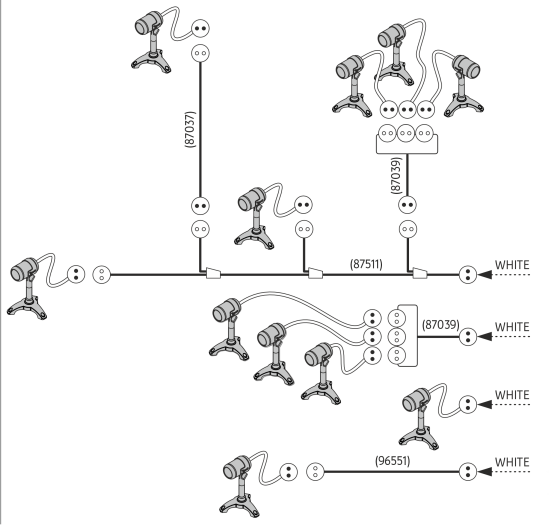
LunAqua Connect Power Supply 36 W/60 W

- INT cable power supply with type F earthed plug.
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System structure

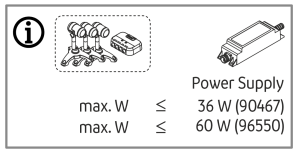
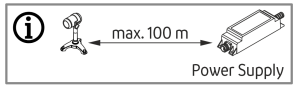
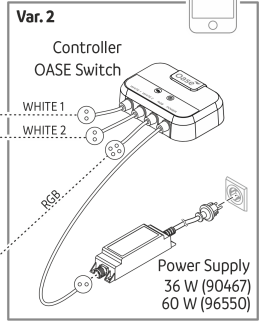
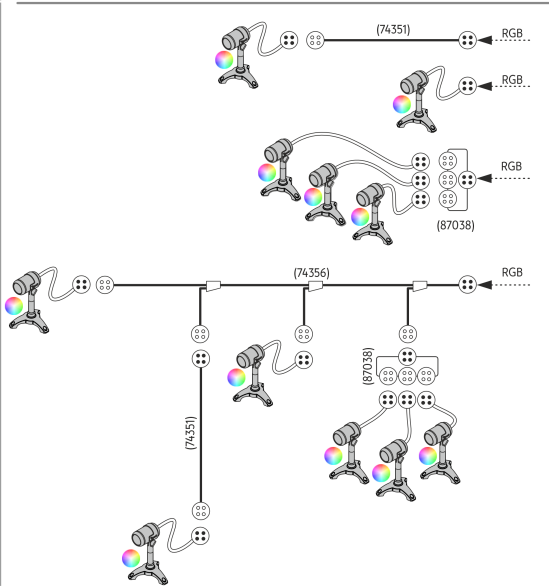
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LunAqua Connect WHITE



WHITE






LunAqua Connect RGB



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System configuration

- The distance from the furthest light to the power supply unit must not exceed 100 m.
- The number of light strands (branches) is unlimited.
- The number of consumers in a LunAqua Connect system is limited by the maximum output power of the power supply unit.
Any number of consumers with a total power consumption of max. 36 W/60 W can be connected to the LunAqua Connect Power Supply 36 W/60 W.

LunAqua Connect	S	M	M RGB	L	Controller OASE Switch
					
Power consumption:	2.5 W	4.0 W	7.5 W	6.5 W	0.5 W

Symbols on the units

IP68 

The unit is dust-tight and protected against the results of permanent immersion in water to a depth of 1 m.

IP67

The unit is dust-tight and protected for short-term immersion.

IP44

The unit is protected against foreign objects ($\varnothing \geq 1$ mm) and splash water.



The unit has protection rating II and is protected by double or reinforced insulation.



The unit has protection rating III. Only operate the unit with safety-low voltage.



The unit contains a short-circuit-proof safety transformer.



The unit is protected against overheating.



Do not dispose of the unit with normal household waste.

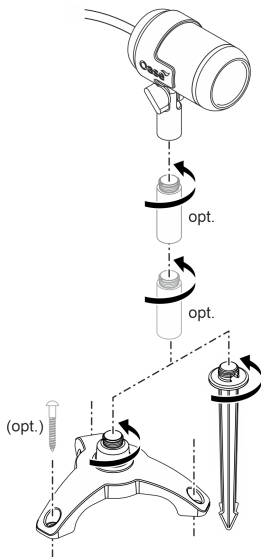


Read the operating instructions.

Installation and connection

Lights

- A light may be permanently immersed to a depth of 1 m (IP68/1 m).
 - Installation variants:
 - With ground stake (only for soft ground conditions)
Ensure that no pond liners or underground pipes are damaged.
 - With foot
The holes on the foot allow you to screw it to a paving slab or a wall.
- ⓘ Two extension pieces are included in the scope of delivery for raising the position of the lights, which can be screwed between the light and the ground stake/foot.



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Controller

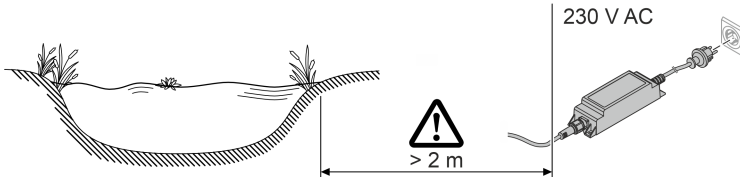
- Install the Controller OASE Switch so that it is protected from flooding.
- Position the Controller OASE Switch as close as possible to where you want to control the system using your smartphone or tablet.
- You can optimise the radio range by installing the Controller OASE Switch around 20 ... 30 cm above the floor.

Power supply

⚠ WARNING

The power supply carries dangerous electrical voltage and must not be placed directly near water. Otherwise, there is a risk of serious injury or death from electric shock.

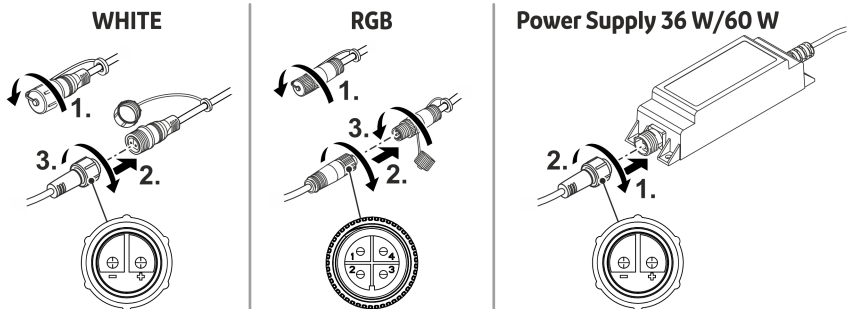
► Install the power supply in a flood-protected position at least 2 m from the water.



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Connect system

- Only use cables, distributors and power supply units from the LunAqua Connect range.
- The cable length between the power supply unit and the furthest light must not exceed 100 m.
- When plugging connectors together, pay attention to the reverse polarity protection.
- Always screw connectors together with the union nut to ensure a secure connection and prevent the ingress of moisture.
- Screwed plug connections may only be immersed for a short time, not permanently.
- Close unused outlets on the Controller OASE Switch using the protective cap.
- Route lines in such a way that they are protected from damage and do not present a tripping hazard.



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Commissioning/start-up

Switching ON/OFF

NOTE

Electrical units must be disconnected from the power supply immediately in an emergency.

- ▶ For units with a power plug, the plug must be accessible so that it can be pulled out.
- ▶ For units with a power cable for permanent connection, suitable measures must be taken to ensure that the unit can be disconnected from the power supply immediately.

Switching on: Plug the power plug into the outlet. If the outlet is switchable, switch on the outlet if necessary.

- System without Controller OASE Switch: The lights are switched on.
- System with Controller OASE Switch: The green status LED on the controller lights up. Lights connected to the controller can be controlled via the "OASE Switch" app.

Switching off: Pull the power plug out of the outlet or switch off the outlet.

- System with Controller OASE Switch: The Controller OASE Switch can be switched on permanently. The lights connected to the controller are controlled via the "OASE Switch" app.

System with Controller OASE Switch

The "OASE Switch" app must be installed on your smartphone/tablet for commissioning and operating the unit.

The operating systems iOS 12.5 (Apple) or Android 7.0 or newer are required to operate the App on mobile devices.

Starting up the Controller OASE Switch

How to proceed:

1. If you have not already done so, install the "OASE Switch" app via the app store of your operating system (iOS or Android).
2. Check whether the Bluetooth function is switched on on your smartphone/tablet. If not, switch it on.
3. Open the "OASE Switch" app and follow the instructions.

NOTE

Pairing between the Controller OASE Switch and an as yet unknown smartphone/tablet is only possible within 5 minutes of switching on the controller.

If necessary, switch the controller off and on again to pair a new unit.

- ▶ The blue status LED on the controller flashes when pairing mode is active.
- ▶ The blue status LED on the controller lights up if the pairing was successful.

Operating the Controller OASE Switch

To operate the Controller OASE Switch with the "OASE Switch" app ...

- the Bluetooth function of the smartphone/tablet must be switched on.
- the smartphone/tablet must be paired with and connected to the Controller OASE Switch.
- the "OASE Switch" app must be open on the smartphone/tablet.
- the distance between the smartphone/tablet and Controller OASE Switch must not be too large. (Max. 40 m with a clear view; correspondingly less if the radio connection is impaired by walls, plants or other obstacles)

Updating the firmware

When the "OASE Switch"-App connects with the Controller OASE Switch it is automatically checked whether its firmware is up to date. If the firmware is new, you will be notified via the App. Follow the instructions.

- ❗ The blue LED flashes quickly during the firmware update.

Maintenance and cleaning

If necessary, clean the system components with clear water using a soft sponge or cloth.

- Never use aggressive cleaning agents or chemical solutions. These could attack the housing surface or impair the function.

Malfunction remedy

- You can also find troubleshooting tips in the FAQs at www.oase.com.
- You can contact our customer service via support.app@oase.com.

Malfunction	Possible cause	Remedy
The "OASE Switch" app cannot find a Controller OASE Switch.	No mains voltage at Controller OASE Switch (green status LED does not light up).	Check the power supply, use a different outlet if necessary.
	Insufficient radio signal.	<ul style="list-style-type: none">• Reduce the distance between the smartphone/tablet and Controller OASE Switch.• Position the Controller OASE Switch raised around 20 ... 30 cm from the floor.• Eliminate interfering influences:<ul style="list-style-type: none">– Obstacles such as walls, windows, shutters, dense plants, etc.– Other radio devices, such as mobile phones.– Switched-on electrical units that are poorly shielded.
	Bluetooth function on the smartphone/tablet is not switched on.	Switch on the Bluetooth function on the smartphone/tablet.

Malfunction	Possible cause	Remedy
	Smartphone/tablet is not connected to the Controller OASE Switch, but it used to be.	<p>Check on the smartphone/tablet, ...</p> <ul style="list-style-type: none"> • whether the Controller OASE Switch is available in the Bluetooth list. If not, see "Smartphone/tablet is not paired with the Controller OASE Switch". • whether the Controller OASE Switch is declared as "Connected" in the Bluetooth list. If not, switch the Bluetooth function on the smartphone/tablet off and on again.
	Smartphone/tablet is not paired with the Controller OASE Switch (is not in the Bluetooth list).	<ul style="list-style-type: none"> • Switch on the Bluetooth function on the smartphone/tablet. • To pair a unit, switch the Controller OASE Switch off and on again. Pairing mode is now active for 5 minutes.
	The Bluetooth standard of the smartphone/tablet is not compatible.	Try to establish the connection with a newer smartphone/tablet.
	The "OASE Switch" app is outdated.	Download the latest app to your smartphone/tablet.
	The Controller OASE Switch is defective.	Please contact the OASE service.
Individual lights cannot be switched on.	Line interruption or short circuit.	<ul style="list-style-type: none"> • Check the cabling for breaks. • Check the connections for secure fit and possible short circuits due to moisture.
	Bulb defective	Replace the light with a new light.
All lights or the lights in a light strand do not light up.	Line interruption or short circuit.	<ul style="list-style-type: none"> • Check the cabling for breaks. • Check the connections for secure fit and possible short circuits due to moisture.

Spare parts

(→ Spare parts)

Technical data

Power supply

LunAqua Connect			Power Supply 36 W	Power Supply 60 W
Type	Cable power supply unit with safety plug F			
Primary	Voltage	AC V	220 ... 240	220 ... 240
	Mains frequency	HZ	50 ... 60	50 ... 60
	Max. current consumption	A	0.6	0,6
	Cable length	m	1.5	1,5
Secondary	Voltage	V DC	24	24
	Max. power output	W	36	60
Protection type	Unit		IP67	IP67
	Connection		IP67	IP67
Protection class			II	II
Ambient temperature range		°C	-10 ... +40	-10 ... +40
Dimensions (L × W × H)		mm	165 × 50 × 40	160 × 65 × 45
Weight		g	500	650

Control system

LunAqua Connect			Controller OASE Switch
voltage		V DC	24
Power consumption		W	< 0.5
Max. power output		W	100
Max. radio range with visual contact		m	40
Protection type	Controller		IP44
	Connections		IP67
Ambient temperature range		°C	-10 ... +40
Dimensions (L × W × H)		mm	135 × 105 × 40
Cable lengths	WHITE, RGB	m	0.1
	Power supply	m	3.0
Weight		g	1000

Lights

LunAqua Connect			S	M	L	M RGB
Supply voltage	V DC		24	24	24	24
Wattage of the bulb	W		2.5	4.0	6.5	7.5
Light colour	K		3000	3000	3000	-
Light current, total	lm		150	250	500	217
CRI			95	95	95	-
Beam angle			30°	30°	30°	30°
Energy efficiency class			G	G	G	G
Replaceability	Bulb		-	-	-	-
	Ballast		-	-	-	-
Protection type	Spotlight		IP68	IP68	IP68	IP68
	Connection		IP67	IP67	IP67	IP67
Ambient temperature range	Dry installation	°C	-10 ... +40	-10 ... +40	-10 ... +40	-10 ... +40
	Immersed	°C	+4 ... +35	+4 ... +35	+4 ... +35	+4 ... +35
Dimensions	Light (L x Ø)	mm	87 x 53	98 x 61	98 x 61	98 x 61
	Height with ground stake	mm	283	293	293	293
	Height with foot	mm	160	170	170	170
	Height of connecting piece	mm	50	50	50	50
	Ground stake (H)	mm	173	173	173	173
	Foot (Ø)	mm	149	149	149	149
Cable length	m		3	3 (87019) 10 (96551)	3	3
Weight	kg		0.7	0.9 (87019) 1.5 (96551)	0.9	0.9

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Disposal

NOTE

- ▶ Dispose of the unit by using the return system provided for this purpose.
- ▶ Should you have questions, please contact your local disposal company. They will give you information on how to correctly dispose of the unit.