

*brilliance in lighting*

# photinus

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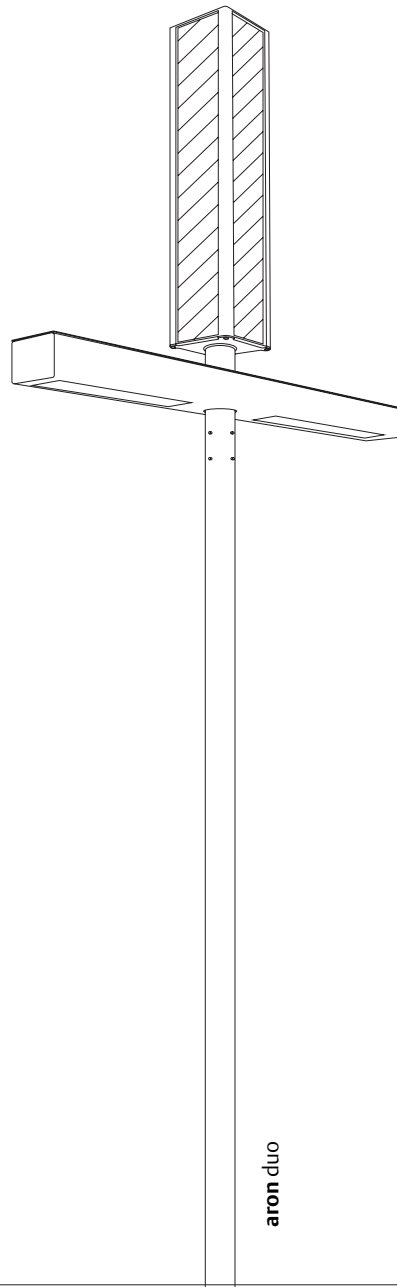
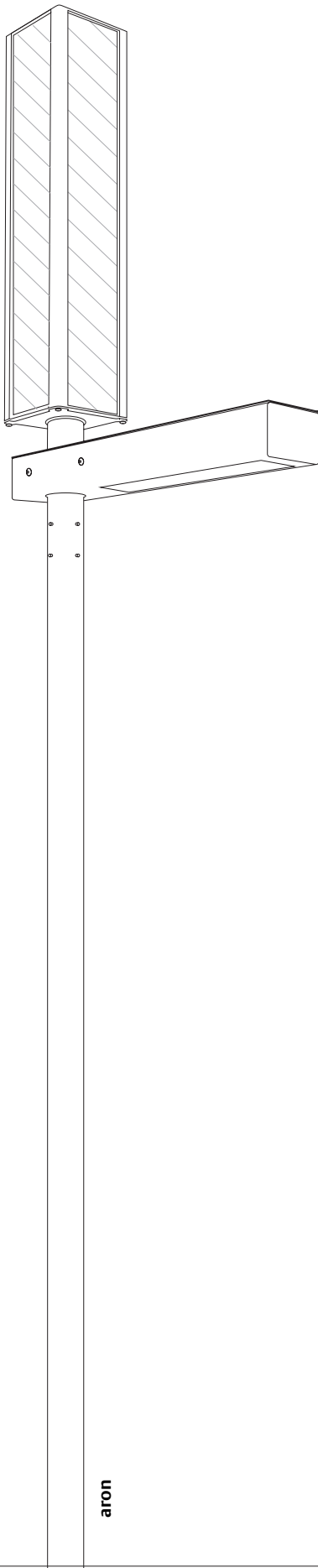
## INSTALLATION AND OPERATING INSTRUCTIONS

V.1 | 2017

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**aron | aron duo**

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# 1

## **SAFETY INSTRUCTIONS AND WARNINGS**

**This LED solar street and parking lot light meets the prescribed safety regulations. Improper use may cause damage to persons or property. Read this manual prior to installation.**

### **INTENDED USE**

Only use this solar lamp outdoors to illuminate streets, paths, parking lots, or similar areas. Other applications are potentially dangerous. Photinus is not liable for damages caused by improper use or incorrect operation.

### **TECHNICAL SAFETY**

Check the solar lamp for visible damage prior to installation. Do not install or operate a damaged solar lamp.

Faulty components must only be replaced with Photinus original spare parts. Only when these parts are used can Photinus ensure that they are in complete compliance with safety requirements.

Improper repairs can result in unforeseeable danger to users, for which Photinus accepts no responsibility. Repairs may only be performed by authorized Photinus technicians, otherwise subsequent damage will not be covered by the warranty.

Do not make any modifications to the aron lamp that are not expressly approved by Photinus.

## INTENDED USE

Only install your aron lamp in the recommended foundations. Photinus recommends either a pipe foundation or a screw foundation. If in doubt, contact your dealer.

## OPTIMAL PLACEMENT

In order for the solar lamp to perform optimally, it needs to be installed in a location with direct sunlight and not shaded buildings or trees.

**PHOTINUS CANNOT BE HELD RESPONSIBLE FOR DAMAGES RESULTING FROM FAILURE TO COMPLY WITH SAFETY INSTRUCTIONS AND WARNINGS.**

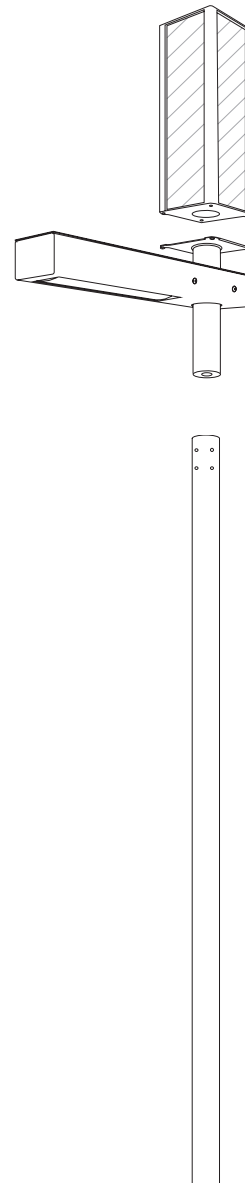
# 2

## INCLUDED PARTS

- 1 aron power unit
- 1 aron lamp unit
- 1 aron lamp pole
- 6 M8 screws
  
- 1 Installation and user guide

### TOOLS REQUIRED

- 1 Allen wrench 4 mm
- 1 Allen wrench 5 mm



# 3

## INSTALLATION

### NOTE

When scheduling the installation, make sure that the outside temperature does not drop below freezing on the day of installation or on the next three days after installation. On the first few days, the system will record the new environmental conditions, such as hours of daylight. During this period, the battery may initially be discharged completely. This in combination with very low temperatures can cause damage to the battery.

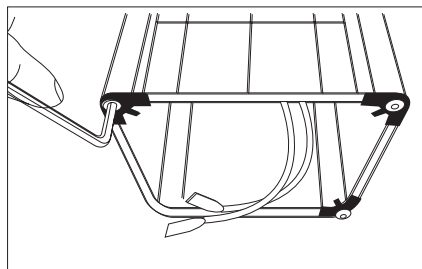
### STEP 1

#### MOUNTING THE POWER UNIT TO THE LAMP UNIT

Unpack the power unit carefully and check it for shipping damage. Remove the transport safety mounting (4 pieces) from the bottom of the power unit using the 5mm Allen wrench.

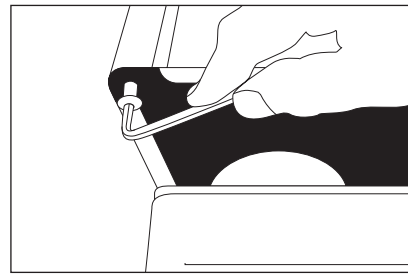
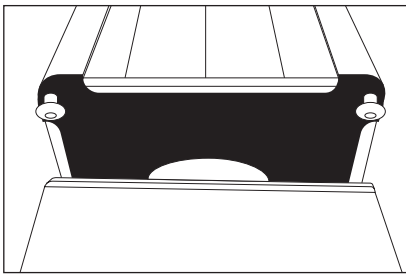
### ATTENTION

Do not press on the solar panels!



Unpack the lamp unit and check it for shipping damage. Connect the yellow plug on the power unit with the yellow plug on the lamp unit (pay attention to the white markings!). Then connect the black plug on the power unit with the black plug on the lamp unit (pay attention to the white markings once again!).

All cables must then be stowed in the holding tube of the light housing. Take the screws from the transport safety mounting and secure the lamp unit to the power unit.

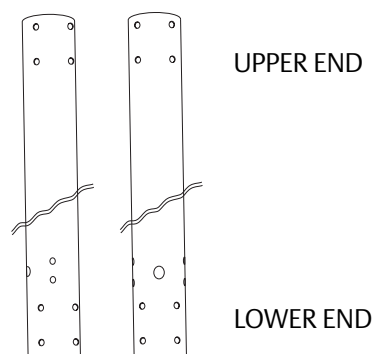


## STEP 2

### PREPARATION LAMP POLE

Unpack the lamp pole and check it for shipping damage.

PLEASE SELECT THE CORRECT END OF THE LAMP POST WHEN MOUNTING! THE UPPER END HAS A TOTAL OF 6 DRILL HOLES!



### STEP 3

#### MOUNTING THE POWER UNIT LAMP TO THE LAMP POLE

Attach the 6 M8 threaded pins to the lamp post with two to three turns.

Then slide the power unit/lamp onto the lamp post to the stop (see figure 3).  
Now you can fix and center the lamp post by tightening the 6 M8 threaded pins (see figure 4).

#### ATTENTION

Tightening torque 8 Nm minimum – 12Nm maximum.

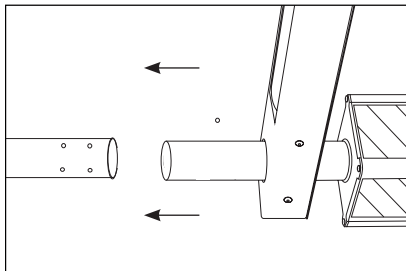


FIGURE 3

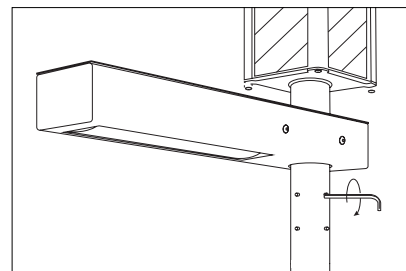


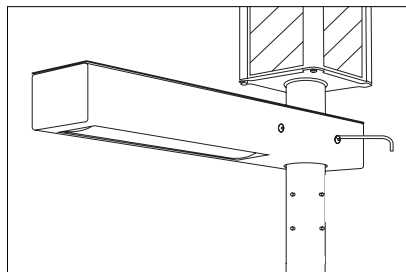
FIGURE 4



## STEP 4

### LAMP UNIT ANGLE ADJUSTMENT

Remove the fitted coverings on the side of the lamp unit and loosen the 4 screws. The desired angle of the lamp unit can now be selected and then fixed by retightening the screws.

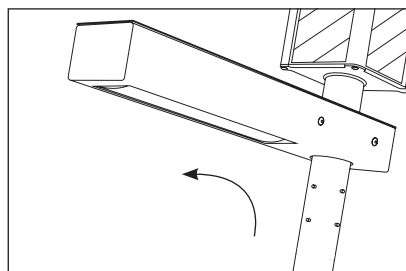


BY LOOSENING THE SCREWS ON THE SIDE OF THE LAMP UNIT, THE ANGLE CAN BE ADJUSTED.

## STEP 5

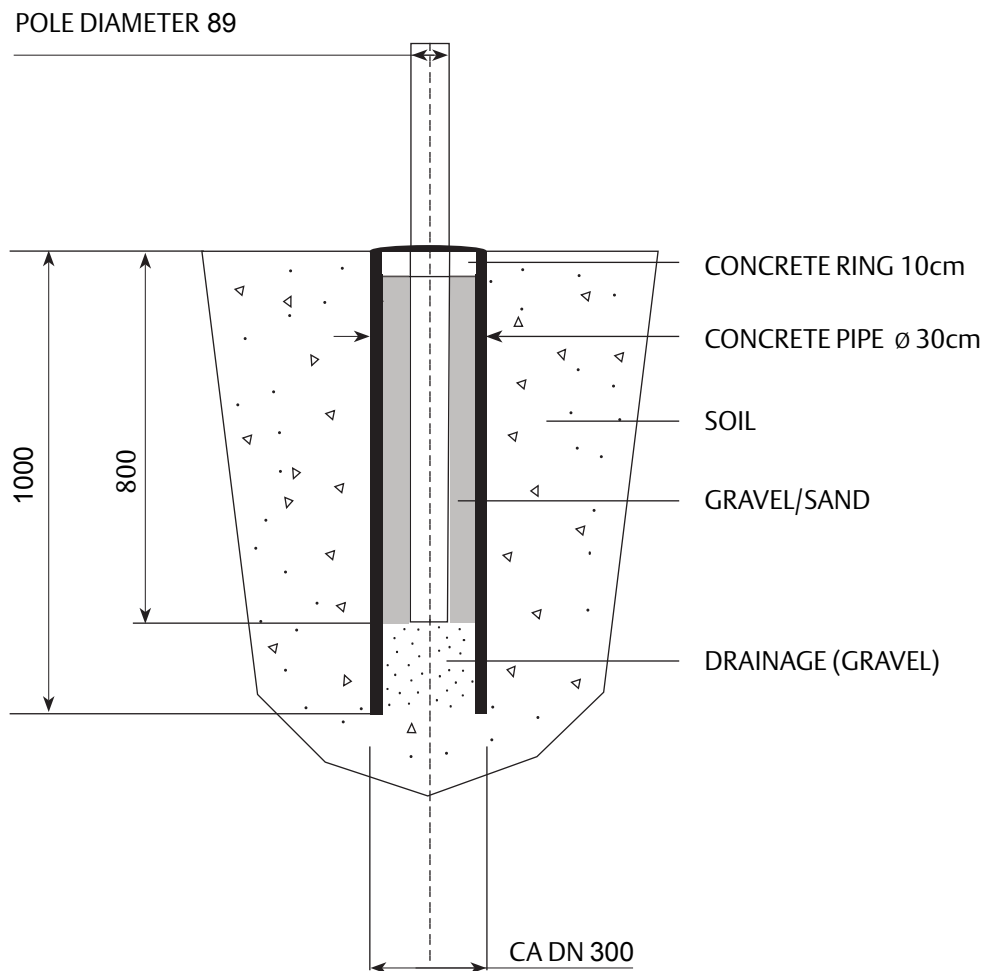
### INSTALLING THE LAMP POLE

Mount the lamp pole in either a screw foundation or a pipe foundation as is described in the following pages. When standing up the lamp pole, it is necessary to use mechanical aid.



## STEP 5 - FOUNDATION

### MOUNTING POSSIBILITY 1 - PIPE FOUNDATION





# 4

## COMMISSIONING

### COMMISSIONING AND PROGRAMMING

Once the lamp unit is connected to the power unit, the aron lamp is ready for operation (step 1). No further steps are necessary.

The performance of a solar lamp is limited by the sunlight available at its location. As such, the quality of individual components and their optimal interaction play a critical role, which is maximally achieved through the precise control system of the aron lamp..

#### NOTE

Each aron lamp is equipped with its own control system. Switch-on times depend on the performance of the modules connected to the aron lamp. For that reason, there may be a slight variance in switch-on and switch-off times, even for lamps in the same location.

# 5

## **CARE OF THE SOLAR LAMP**

Because the solar lamp is exposed year-round to wind and weather, it makes sense to give the lamp a thorough cleaning once a year.

Use a damp cloth to clean the glass and the solar module. Remove any leaves, residue, or insects from these surfaces.

# 6

## **YOUR CONTRIBUTION TO PROTECTING THE ENVIRONMENT**

### **DISPOSAL OF PACKAGING**

The packaging protects the solar lamp from damage during transportation. The packaging materials are selected for their environmental friendliness and ease of disposal and can therefore be recycled. Recycling these materials saves raw materials and reduces waste.

### **DISPOSAL OF THE SOLAR LAMP**

Electrical and electronic appliances often contain valuable materials. However, they also contain harmful substances necessary for their proper function and safety. If disposed of or handled improperly these substances can cause damage to human health and the environment. Never dispose of your old appliance in a normal waste bin. Use the special collection points set up for disposing of and recycling electrical and electronic equipment. When in doubt, contact your dealer.

# 7

## TROUBLESHOOTING

