

# FAQ | IP44.DE Solar Lighting

## **How do I start using the luminaire, and will it work immediately?**

After unpacking for the first time, the luminaire needs a first light pulse lasting about 10 seconds, which is provided by daylight. This activates the solar panel.

To be sure that the battery is fully charged, it should be exposed to direct sunlight ideally for 2 days; during this time, the solar panel is preferably not connected to the luminaire. The initial charging process should be made indoors, to warrant protection class IP65. Once the solar panel is fully charged, it can be connected with the luminaire.

## **How is the luminaire charged?**

To be sure that the battery is fully charged, it should be exposed to direct sunlight ideally for 2 days; during this time, the solar panel is preferably not connected to the luminaire. The initial charging process should be made indoors, to warrant protection class IP65. Once the solar panel is fully charged, it can be connected with the luminaire.

## **Does the battery of the solar panel charge even on cloudy days with little solar harvest, or even in autumn/winter months?**

The solar panel is also charged on cloudy days and also in autumn/winter months and then still reaches up to 25% of full power.

The alignment of the solar panel must be adjusted to the level of the sun in the sky, which changes according to the season.

## **Is the luminaire charged when it is delivered?**

On delivery, the battery is charged to about 70%. Before starting the luminaire, the battery should be charged with direct sunlight ideally for 2 days; during this time, the solar panel is preferably not connected to the luminaire. The initial charging process should be made indoors, to warrant protection class IP65. Once the solar panel is fully charged, it can be connected with the luminaire.

## **How long does it take for the battery to be fully charged?**

It takes the solar panel battery about 2 sunny days with constant direct sunshine to be fully charged.

## **How long is the usage time of the luminaire once the battery is fully charged?**

Once the battery is fully charged, the luminaire can be used for about 15 hours.

## **Can the luminaire stay outside during the winter?**

The luminaire can stay outside even during the winter months.

## **How do I choose the best place to put the luminaire?**

Put the luminaire outdoors in a place with direct sunshine (facing south) where it is exposed to continuous direct sunlight. Functions may be restricted during the autumn/winter when the sun is no longer so high in the sky with possibly longer periods of shade, depending on the region.

The solar panel must be kept permanently free of dirt and debris, foliage, leaves and branches, as otherwise the charging results can be considerably impaired.

## **Why won't the solar panel charge properly?**

The solar panel must be absolutely free of dirt and debris, foliage, leaves and branches to obtain the best possible charging results.

## **Why won't the luminaire switch on?**

The battery capacity is insufficient. To charge the battery expose the solar panel to direct sunshine (facing south) with continuous, direct sunlight.

In autumn/winter months the function of the solar panel may be restricted when the sun is no longer so high in the sky with possibly longer periods of shade, depending on the region.

The solar panel must be kept permanently free of dirt and debris, foliage, leaves and branches, as otherwise the charging results can be considerably impaired.

## **How frequently can the battery be charged?**

The battery can be charged about 800-1000 times, depending on charging and usage patterns.

## **Can the solar panel battery be replaced?**

In case of failure, the battery can be replaced by IP44.DE. Please contact your retailer.

## **I'm using several luminaires. Why do they switch on at different times?**

The luminaires will be located in different places with different dimming phases. This can result in different switch-on times.

## **How do I clean the luminaire and solar panel?**

To make sure your luminaires don't lose their looks and bring you lasting pleasure, we need a little help from you: please clean all components regularly. Please also remember that different materials and environments need different kinds of care.

Do not use a pressure washer.

A gentle solvent-free household cleaning agent is all you need to care for your luminaire. Then polish all luminaire components off with a dry, soft cloth. Do not use scouring agents, steel wool, scouring pads, acid or alkaline cleaning agents as these would damage the surface.

## **Application areas**

All environments differ. The same goes for the material properties of our luminaires. Please consult us if you intend to use our products near the coast or in the vicinity of a swimming pool. Salt or chlorine particles in the air would make life very difficult for our luminaires.

## **Caring for powder-coating / aluminium die-casting lacquered**

The luminaires have a finish that offers high chemical and mechanical resistance. As with every surface, the colour shade of our surfaces can also be changed when exposed to UV radiation (e.g. sunlight). Exposure to UV light can cause changes to the colour pigments embedded in the powder coating/lacquer. A gentle, solvent-free household cleaner is all that's needed to care for the luminaire, which should then be rubbed off with a dry, soft cloth. Abrasive cleaners, steel wool, scouring pads, acids or alkali cleaning agents should not be used as these would damage the surface.

## **Condensation**

High humidity levels or great fluctuations in temperature, climatic conditions which normally occur in spring and autumn, can cause condensation in the glass housing. This does not indicate a flaw in the product but is a natural consequence of the physical properties of water. The best way to deal with condensation is simply to leave the luminaire switched on for a while so that the condensation can dry out.