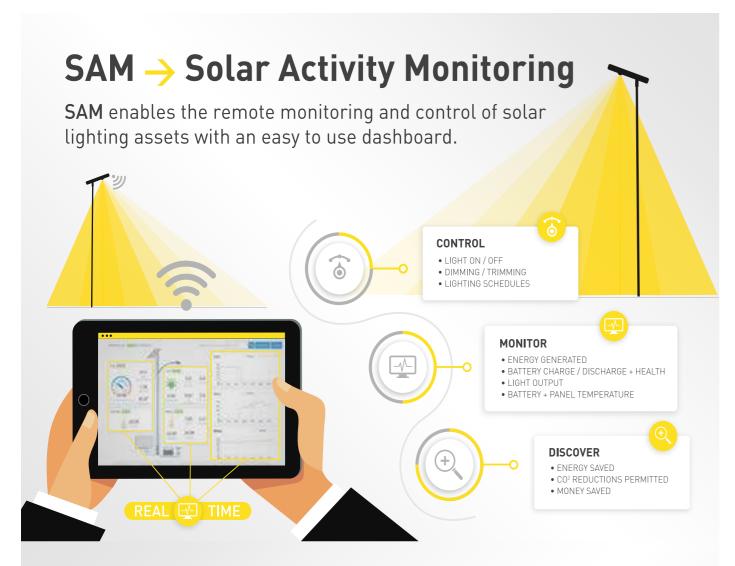
LIGHT YEARS AHEAD

**electric**Skyline™



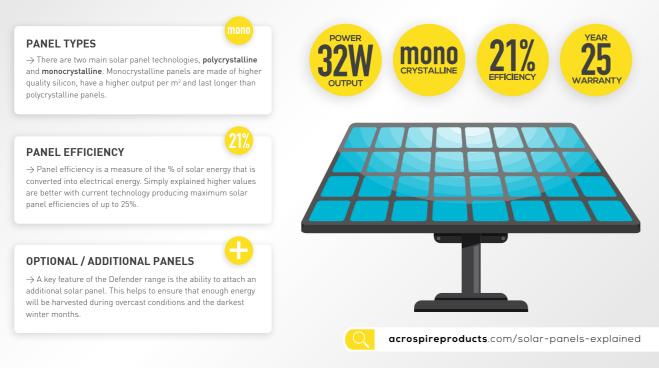
# **SOLAR STREET LIGHTING** BUILT FOR IRISH CONDTIONS

TYPICAL EXAMPLE



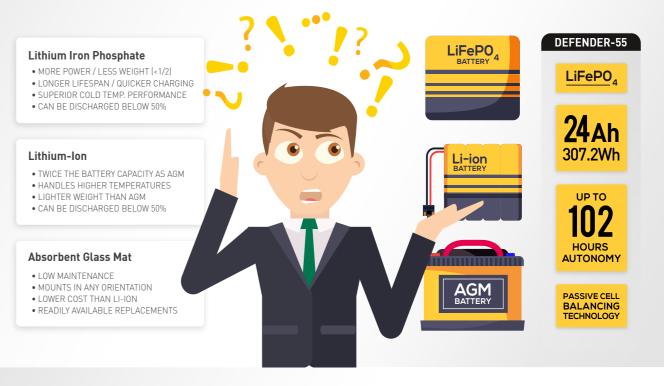
### **Defender** -> Solar Panel Specifications

**DEFENDER** moncrystalline solar panels include the flexibility to harness the power of an additional solar panel for increased solar yield.



## **Defender** $\rightarrow$ **Battery Specifications**

**DEFENDER** solar lights are powered with the most advanced **LiFeP04** (lithium iron phosphate) battery available including on-board battery management system and passive cell balancing technology.



### **Defender** → **Adjustable Features**

The **DEFENDER** solar light comes with **Twin Passive Infrared Sensors** providing an increased motion detection zone. The LED banks are adjustable to enable optimal light coverage.







### DEFENDER LANTERN FAQ'S

#### ARE THEY A REPLACEMENT FOR TRADITIONAL STREET LIGHTING?

The defender Solar Lantern Range are intended for non-critical applications i.e. non-critical roadways – they are not a direct replacement for standard street lighting where its required.

#### COULD I USE THEM IN A HOUSING ESTATE OR ON MY COMMERCIAL PROPERTY?

It would depend on your requirements - they are not suitable for housing estates or commercial properties where a constant lighting level is required from dusk until dawn. We do however, have other solar solutions available for critical applications.

#### WHATS THEIR IDEAL APPLICATION?

They are ideal for greenways, cycle tracks, walkways, access roads, parks, play areas, bottle banks, remote locations, places without mains power - Almost anywhere there is low traffic volume and low pedestrian usage at times.

#### HOW IS IT ACTIVATED?

The lantern is activated through voltage monitoring of the panel - When the voltage drops below 5v the lantern switches on but these and other settings like activation distance and light levels can all be adjusted via the software included with the lights.

#### WHATS THE OUTPUT?

As stated these are all adjustable but a typical example would be after the lantern switches on @dusk its light output is at 80% for the first 3 hrs and then drops to 25% light output until dawn. If the PIR on the lantern is triggered the lantern switches on to 100% for 30 secs.

#### WHATS THE LIMITATIONS IN IRELAND?

The defender is designed to maximise the energy available, in climates like Ireland's. In Ireland in the middle of winter when the daylight harvesting potential is at its minimum the lantern will switch off to protect the battery, however if required the harvesting potential can be increased by the addition of an external solar panel which will increase the lantern light output to 6 hrs per day.

#### WHAT IS THE LEAD TIME FOR DEFENDER LANTERNS?

Supply Lead Time for Defender Solar Lanterns is 6 weeks.

#### IS THERE A WARRANTY ON THE DEFENDER?

Yes the defender has a 5 year warranty.

#### CAN I SEE THE LIGHTS IN ACTION?

Yes of course - Contact us today and we will be happy to refer to you to the nearest installation to you.

#### HOW CAN I ORDER?

Phone Electric Skyline on 094 9360954 or email us at solarlighting@electricskyline.ie and we will be happy to quote for your project or answer any questions or queries.