



MOTIVATION

- ◆ Minimal installation effort
- ◆ Maximum cost efficiency



RESPONSIBILITY

- ◆ Clean and emission-free
- ◆ No CO₂, soot or fine dust



PROFIT

- ◆ No electricity, low maintenance
- ◆ Reliable operation



PHILOSOPHY

- ◆ Future-oriented
- ◆ Innovative



100%

ELECTRICITY COST SAVING

F8 solar street lights generate the required electricity completely by themselves. This is how you illuminate free of charge streets, car parks, footpaths and cycle paths, bus stops, playgrounds and golf courses, cemeteries and much more.

LIGHTS ON! COMPLETELY OFF-GRID.

With more than 25 years of experience in the development and production of solar LED street luminaires, we now offer smart light for people and the environment.

SUSTAINABILITY

Today, there is no alternative to the responsible use of resources. Communities, cities and companies can take a step in this direction with self-sufficient F8 solar lights. Furthermore, we consciously opt for local value creation. We source 95% of all components from Austria and Germany. Production takes place at our site in Hörbranz.

SAFETY

Thanks to clever technology, our solar lights can be placed almost anywhere. The F8 function guarantee gives you the security of always having light when it is needed – no matter whether it is summer, winter, rain or cloudy. Our F8 luminaires are equipped with condition monitoring and are connected to the Internet. The online condition monitoring guarantees reliable operation. The time for switching off and on, dimming can be changed online at any time by F8 free of charge.

CUSTOMISATION

Take advantage of our expert knowledge. From location analysis to a lighting design with DIALux for the ideal light distribution and according to current standards. We are there for you personally. Expertly and with the down-to-earth nature of a family business for a long-term, successful partnership.



F8 GO LIVE

Online Control and Monitoring

F8 go live is an online monitoring and control system. It enables 24/7 monitoring of the lights through remote access and offers a variety of static and dynamic lighting scenarios, from a simple dimming function to a Smart City.

Networked LED lights are increasingly forming the foundation of sustainable public lighting. Digital light control lowers energy consumption, relieves the carbon footprint and improves light quality. Reduced maintenance expenses also contribute to cost efficiency.

Location analysis and lighting design are the basis for optimal lighting. The principle here is: enough light to ensure safety and comfort in public spaces as well as in road traffic. But also only as much light as necessary, to reduce light emissions to a minimum for residents and the environment.

**All this with zero electricity costs and 100% climate neutral.
Rely on solar LED street lights from F8.**

F8 go live – 24/7 Condition Monitoring

Our support service helps you keep your lighting system running smoothly. With the online monitoring tool F8 go live, we monitor the function of the LED luminants, the battery and the solar module. If, for example, LED light sources fail, you will immediately be informed which light is affected. If there are trees in the immediate vicinity, we give you timely feedback if branches significantly impair the performance of the solar module. In addition, monitoring ensures preventive maintenance of the lights.

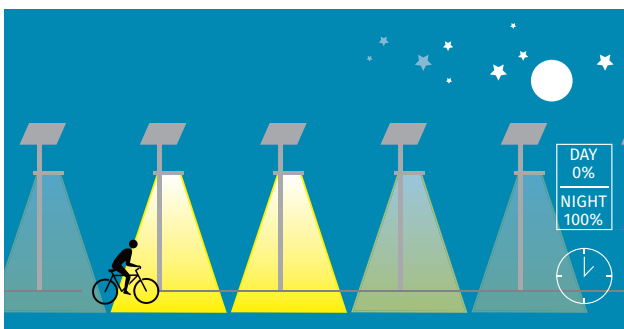


Remote monitoring of all luminaires in real time

- ◆ Condition monitoring of all luminaires by F8, free of charge; also by technician if required
- ◆ No costs for internet connection, connection securely encrypted

F8 go live – light intelligently controlled as needed

With the F8 go live lighting management system, street lighting becomes intelligent and networked. This enables a wide range of static and dynamic lighting scenarios. Thanks to the online connection, our customer service is able to adjust the lighting according to your wishes in real time.



Control lighting scenarios in real time

- ◆ Individually adjustable lighting times
- ◆ Dimming from 1 to 100 %
- ◆ Motion detector – light on demand
- ◆ Series connection – travelling light
- ◆ Group switching – any number of luminaires can be in one group
- ◆ Combinations of different light settings – e.g. simultaneous activation of all luminaires in a group in the event of motion detection of a single luminaire in the group

FUNCTION GUARANTEE

In any weather at any time of year.



Function guarantee with:

◆ Site analysis and needs-based lighting design

- ◆ In accordance with photometric, normative and design requirements

◆ Perfectly matched components

- ◆ Solar modules made of monocrystalline silicon, with a significantly higher efficiency than conventional modules
- ◆ Temperature-resistant batteries, from -40° to $+80^{\circ}$, with intelligent battery management
- ◆ Powerful LED lights with low power consumption

◆ 24/7 condition monitoring with F8 go live

- ◆ Monitoring and proactive maintenance for continuous functionality



Site Analysis and Lighting Design

Our smart, self-sufficient solar lights are designed for safe operation in winter. In addition, we determine the solar potential of the location and calculate the ideal orientation for the solar module. Standards such as lighting classes and your individual wishes are taken into account in the lighting design. On this basis, we select the optimal light for safe operation.

High-quality Components

F8 solar lights can be installed in almost any location and require little maintenance. This requires powerful and robust components. Only high-quality solar modules made of monocrystalline silicon are used in our lights, with a significantly higher efficiency than that of conventional modules. The battery technology used is temperature-resistant and charges even in poor weather conditions. The high-performance LED luminaires work efficiently and reliably with low power consumption.

Condition Monitoring

Our online monitoring tool F8 go live enables remote monitoring of the luminaires in real time. This allows us to offer fast customer service regardless of location. With our continuous performance monitoring, we can guarantee that errors are detected and rectified at an early stage. With this functional guarantee, you can be sure that you always have light when you need it.





Lighting component F8 Valetta S with 12 LEDs and 1200 / 1900 max. lumens

HIGH-QUALITY COMPONENTS

We source 95 % of all components from Austria and Germany.

Production takes place at our site in Hörbranz. 

Photovoltaic module

- ◆ High-performance monocrystalline cells
- ◆ Maximum efficiency $\geq 23\%$
- ◆ 25-30 year lifespan

Battery

- ◆ Type: Nickel-metal hydride (NiMH)
- ◆ Extremely robust and temperature-resistant (-40° to $+80^{\circ}$)
- ◆ Lifespan 12-15 years
- ◆ Charges even in poor weather conditions
- ◆ Installed high in the pole, making it flood-proof
- ◆ No additional battery housing or enclosure required
- ◆ Intelligent battery management system as standard

LED luminant

- ◆ Quality LED with more than 200 lm/W
- ◆ 6 different optics available
- ◆ 100,000 hr lifespan

F8 go live

- ◆ Condition monitoring 24/7 free of charge
- ◆ Lighting profile can be altered online at any time
- ◆ Light on demand
- ◆ Group/series connection
- ◆ Frequency measurement
- ◆ No cost for internet connection, activation or data usage

F8 Solar Lights

	F8 Valetta S	F8 Valetta S	F8 Valetta M	F8 Valetta M Wood
Material				
Galvanised steel pole	◆	◆	◆	
Wooden pole (spruce)				◆
Solar module bracket: galvanised steel	◆	◆	◆	◆
Lighting component: aluminium EN AW-5083, anodised natural	◆	◆	◆	◆
Total height	4.8 m	4.8 m / 5.8 m	4.8 m / 5.8 m	5.8 m / 6.8 m
Solar module: high power monocrystalline solar cell				
Performance	60 Wp	120 Wp	120 Wp	120 Wp
Inclination adjustable	30°-90°	30°-90°	30°-90°	30°-90°
LED				
Quantity	1 x 12	1 x 12	2 x 12	2 x 12
Lifespan	>100,000 hr	>100,000 hr	>100,000 hr	>100,000 hr
Colour temperature: 2200 K / 3000 K / 4000 K insect-friendly light	◆	◆	◆	◆
Mounting height	4.1 m	4.1 m / 5.1 m	4.1 m / 5.1 m	4.1 m / 5.1 m
Luminous flux max.	1200 lm	1900 lm	4200 lm	4200 lm
Battery: extremely robust and temperature-resistant				
Capacity/voltage	13Ah/12V	13 Ah / 12 V 26 Ah / 12 V 39 Ah / 12 V	26 Ah / 12 V 39 Ah / 12 V	26 Ah / 12 V
Features				
Motion detector PIR as standard	◆	◆	◆	◆
Motion detector radar: optional		◆	◆	◆
F8 go live	◆	◆	◆	◆



F8 Valetta S



F8 Valetta S



F8 Valetta M



F8 Valetta M Wood
with wooden pole

YOUR ADVANTAGES

With self-sufficient and independent LED street lights with photovoltaics, you can illuminate free of charge streets, car parks, footpaths and cycle paths or wherever you want to have light.



MAXIMUM COST EFFICIENCY, MINIMUM EFFORT – IT'S WORTH IT.

- ◆ No earthworks, no cable laying, no additional investments in the network infrastructure necessary
- ◆ Simple installation in only 20 minutes (also turnkey on request)
- ◆ No electricity costs
- ◆ Low maintenance



WE DO GOOD FOR CLIMATE AND SOCIETY – JOIN US.

- ◆ Protects environment and climate
- ◆ CO₂ neutral – member of the climate neutrality alliance 2025
- ◆ Insect-friendly light
- ◆ Made in Austria (local added value)
- ◆ High-quality components from Austria and Germany



FUTURE-ORIENTED AND INNOVATIVE – FOR ALL WHO LIKE IT COMFORTABLE.

- ◆ 100 % electricity from solar energy, 100 % self-sufficient and off-grid
- ◆ Economical and comfortable thanks to motion detectors, series and group switching function
- ◆ Lighting times can be easily changed, online battery performance and function monitored online at all times

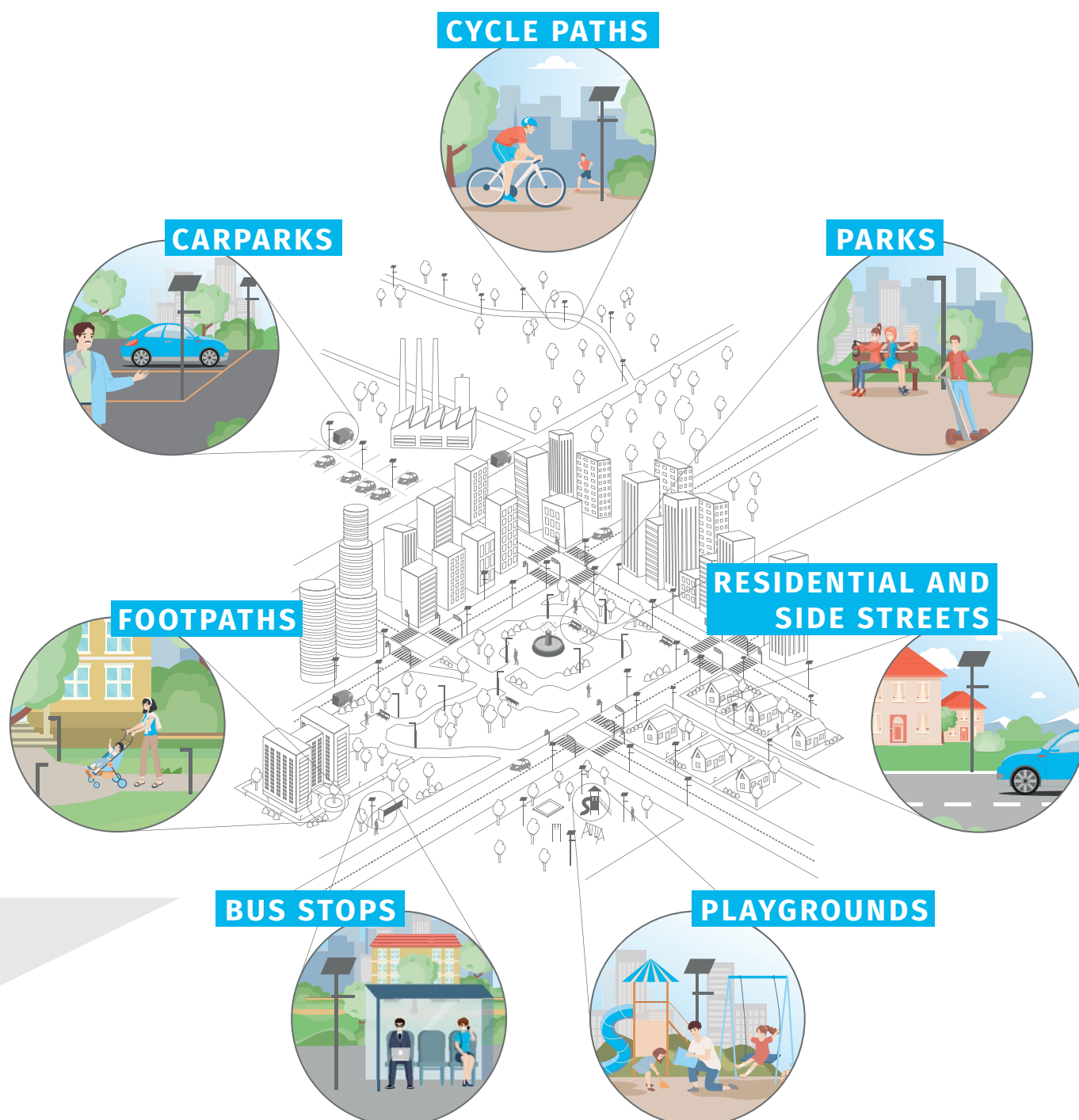


POWER AND EFFICIENCY – WHO CAN SAY NO?

- ◆ Powerful and long-lasting batteries (12-15 years)
- ◆ Highly efficient monocrystalline solar modules with a lifetime of ~30 years
- ◆ Perfect illumination with light for 365 nights a year
- ◆ Function guarantee and winter safety

A WIDE RANGE OF POTENTIAL SETTINGS

F8 solar lights can be installed almost anywhere. Powerful and robust components make this possible. In our site analysis, we calculate the ideal orientation for the solar module.



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