

AUTONOMOUS LIGHTING

Helipad application



APPLICATION

EFIA autonomous lighting systems are battery-powered and equipped with solar panels. They communicate by radio link via a ZigBee Mesh protocol at 868Mhz. They enable the helipads lighting to be carried out in accordance with ICAO photometric standards. Other equipment such as wind cones or obstruction lights, complete these features.

Equipment deployed on the helipad can be controlled using a multifunction mobile remote control. On the other hand, the CAESAR touch-screen software interface (ALCMS) enables to control and monitor individually or by group all the lighting equipment from the control tower via a dedicated industrial automaton, but also from any other remote device connected to CAESAR: smartphone, tablet, PC...



AUTONOMOUS SYSTEMS BENEFITS

Autonomous systems have many advantages over wired systems on several levels:

- **Installation:** simplification and reduction of installation and commissioning times, without cabling issues.
- **Reliability:** Individual light control to monitor battery life and performance, solar panel efficiency and charge controller efficiency to prevent any power failure. No interdependence of lights via a common power source.
- **Maintenance:** Simplification and safety of interventions due to the absence of cables, connectivity and high voltage. Light replacement via a simplified pairing procedure.
- **Mobility:** equipment suitable for temporary, event, mobile and military applications... using a mobile charging trailer.
- **Ecology:** solar powered, fully recyclable material.

LIMITATIONS

- **Sunlight:** the area of use must have a sufficient supply of solar energy for the period and intensity of lighting required for the operation.

EFIA AUTONOMOUS PRODUCTS RANGE

MATERIEL	REFERENCE	LIEN
HELIPAD LIGHTING		
• TLOF light	FELUN-HEL-TLOF-N-G	https://efi-airport.com/product/helipad-autonomous-
• FATO light	FELUN-HEL-FATO-N-C	https://efi-airport.com/product/autonomous-elevated-
• Helipad floodlight	FELUN-HEL-PRJ-N-C	https://efi-airport.com/product/helipad-autonomous-
• Elevated taxiway edge light	FELUN-TWY-EDG-LI-B	https://efi-airport.com/product/autonomous-elevated-
• Obstruction light	FELUN-MISC-OBS-LIA-R	https://efi-airport.com/product/autonomous-elevated-
• Wind cone	ZEBRA	https://efi-airport.com/product/windcone/
COMMAND CONTROL		
• ALCMS CAESAR interface	CAESAR-ALCMS	https://efi-airport.com/product/alcms/
• Portable multi function remote	CAESAR-FHCMAXI	https://efi-airport.com/product/felun-portable-
ACCESSORIES		
• Rack charging station	KANGARO FIX	https://efi-airport.com/product/mobile-charging-trailer/
• Mobile charging trailer		
• Mounting support		
AIRFIELD LIGHTING		
• See For more information		