

HELIPORT LIGHTING SYSTEMS



Signalight

GO BEYOND

About us

Signalight™ is the trademark of **ElectroMax®**;
we are a manufacturer and supplier
for complete systems of lighting equipment,
navigation and guidance systems.

Why us?

Our customizable systems come with exceptional value through a carefully thought set of services, aimed to assist you at every step: design, manufacturing, system setup, testing, validation, operation and maintenance.

We ensure flexibility and full technical support for integrating our solutions or even manufacturing lighting products according to customer requirements.

We offer a complete system of runway lights for small airports, aerodromes, for permanent or temporary runways on airfields, including runway edge lights, threshold lights, end lights, approach lights and taxiway lights. These runway light systems can be low or medium intensity. We also offer controllers for powering, controlling and checking the lights.

As guidance, we offer APAPI and PAPI units, wind direction indicators, taxiway signs, runway guard lights.

For large airports, we offer all types of taxiway signs, mandatory, indication, location signs, but also arresting gear marking, distance markers and runway guard lights.

Quality

Our products have unique features and have proven their worth in some of the world's toughest conditions.

ElectroMax® is an authorized OSRAM manufacturer who has integrated successfully several management systems such as ISO 9001, ISO 14001 and OHSAS 18001.

Our products comply with all ICAO, FAA standards and European directives, are manufactured in the EU and come with an CE Declaration of Conformity.

Mission & Vision

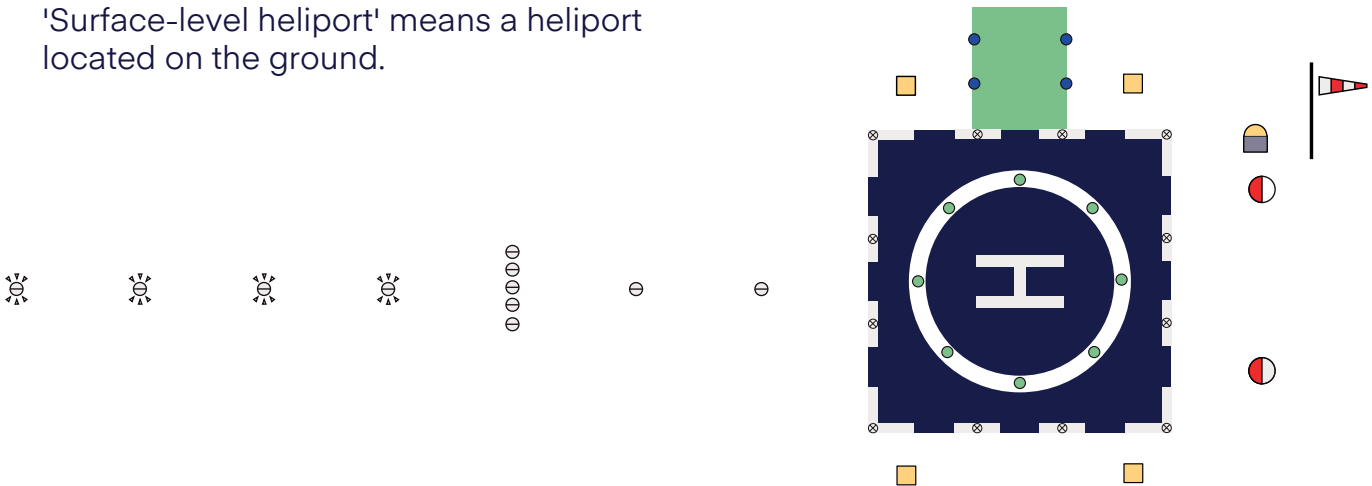
Our mission is to make every product better than any other in its class.

Our policies on innovation and development guide us to smarter, safer and more sustainable choices for you.

H Heliports & Helidecks

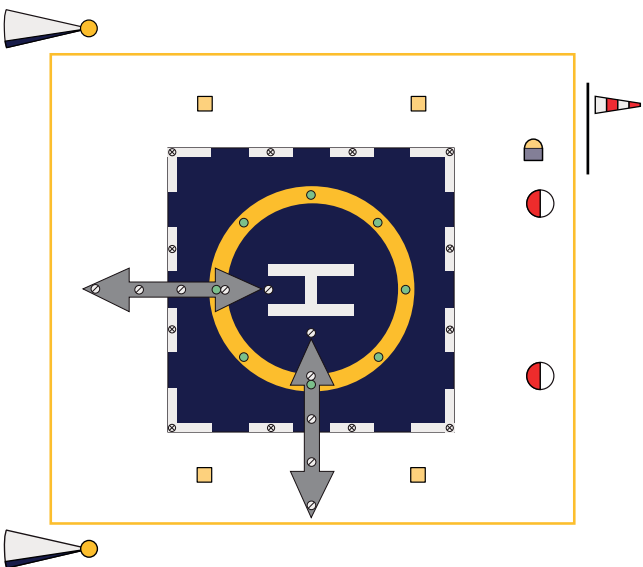
Surface Level Heliports

'Surface-level heliport' means a heliport located on the ground.



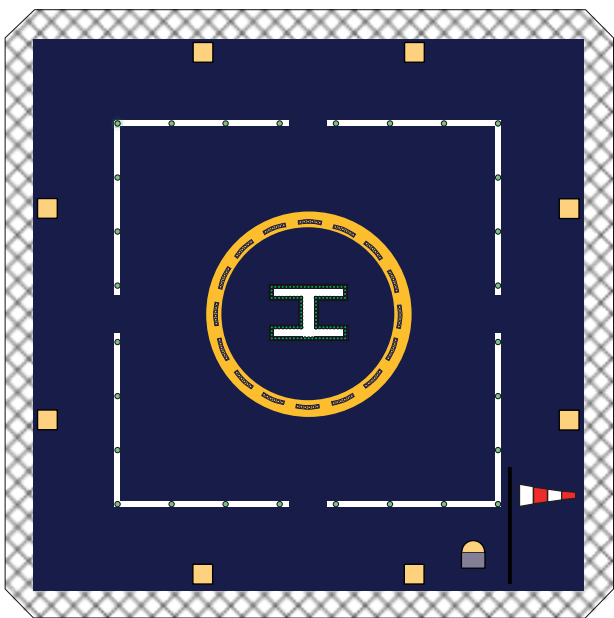
Elevated Heliports

'Elevated heliport' means a heliport located on a rooftop or some other elevated structure.



Helidecks

A helideck is a landing deck for helicopters on ships, offshore platforms or drilling rigs.



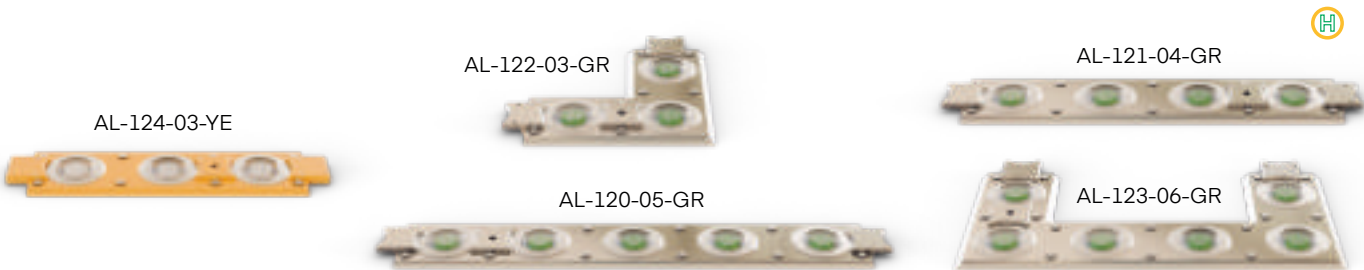
Legend

- | | | | | |
|--------|---------------|-------------|-----------|------------------|
| ⊗ FATO | ▼ VAGS | ⊙ Alignment | ⬜ Beacon | ⚓ Windcone |
| ● TLOF | ■ Floodlights | ⊖ Approach | ● Taxiway | ⊖ APAPI/HAPI/GPI |
| | | | | ⊖ TD/PM Circle-H |

H Products

Elevated	FATO	TLOF	Approach	Taxiway
	 AL-036-04-WH	 AL-058-02-GR	 AL-056-08-WH	 AL-010-02-BL
Inset	FATO/Aiming	TLOF	Alignment	Taxiway
	 AL-071-04-WH	 AL-073-03-GR	 AL-089-03-WH	 AL-072-03-BL
Flat	FATO/Aiming	TLOF	Alignment	Taxiway
	 AL-071-04-WH-F	 AL-073-03-GR-F	 AL-075-03-WH-F	 AL-072-03-BL-F
Flat FD	FATO/Aiming	TLOF	Alignment	Taxiway
	 AL-071-04-WH-FD	 AL-073-03-GR-FD	 AL-075-03-WH-FD	 AL-072-03-BL-FD

TD/PM Circle-H



APAPI / HAPI / GPI



Abbreviated Precision
Approach Path Indicator
AL-088-30-WH-RE



Helicopter Approach
Path Indicator
AL-117-76-GR-RE



Glide Path
Indicator
AL-084-01-YE-GR-RE



Visual Alignment GS



AL-087-02-WH



SAGA equivalent.
Depending on their position
relative to the approach axis,
pilots receive visual guidance
in the form of two light flashes
emitted by the system's flashing units.

Floodlights



AL-055-08-WH

20 W



AL-074-18-WH

60 W

Luminous efficacy 135 lm/W min.



Beacon



AL-061-84-XX

The heliport
beacon emits
repeated series
of equally spaced
short duration
white flashes.
Light flashing rate:
letter H in Morse code.



Windcone



AL-081-XX

A wind direction
indicator, mounted
on a stainless
steel mast, indicates
wind direction
and speed
using an internally
(or externally)
lit windsock,
while also including
an obstruction light
at the top.



H Controllers

Airport Controller V4



The controller can have as many independent circuits as needed. These circuits can bear different outputs: 230 V AC, 48V DC, 1.4 A.

Display showing:

- name and layout of the system
- scenarios or directions of landing/take off (optional)
- brightness level
- circuit status
- individual circuits ON or OFF
- errors occurred
- power, voltage, current (optional)

Heliport Controller V3



The controller has maximum 8 output independent circuits. These circuits can bear different outputs: 230 V AC, 48V DC, 1.4 A.

The system can be controlled via 5 different options, as follows:

- front-panel buttons
- remote console using (RS485)
- PC Software using (RS485)
- ARCAL remote control

Basic Beacon Controller



Heliport beacon power supply and flasher.

Beacon Controller



Heliport beacon power supply, flasher and controller.

Console Controller



Option for Controller V4

This console communicates using RS485 protocol. User can turn the power ON/OFF on different circuits, can choose the brightness and check the lighting and guidance systems parameters on the display.

L-854 Air-to-Ground Radio Receiver



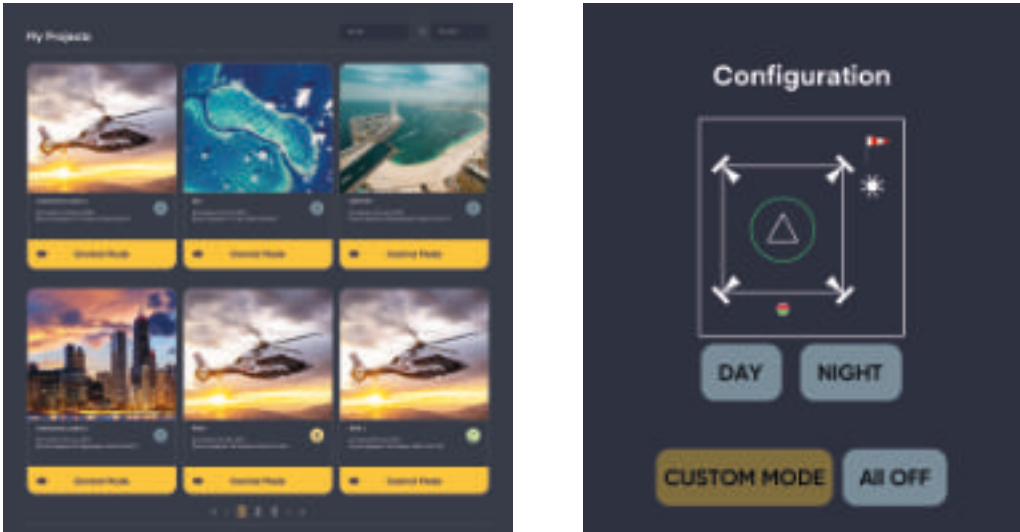
Option for Controller V3

The system is designed to operate on airports or heliports, allowing the pilot to control the airfield lights using the aircraft's own radio communication system controller.

H System Control

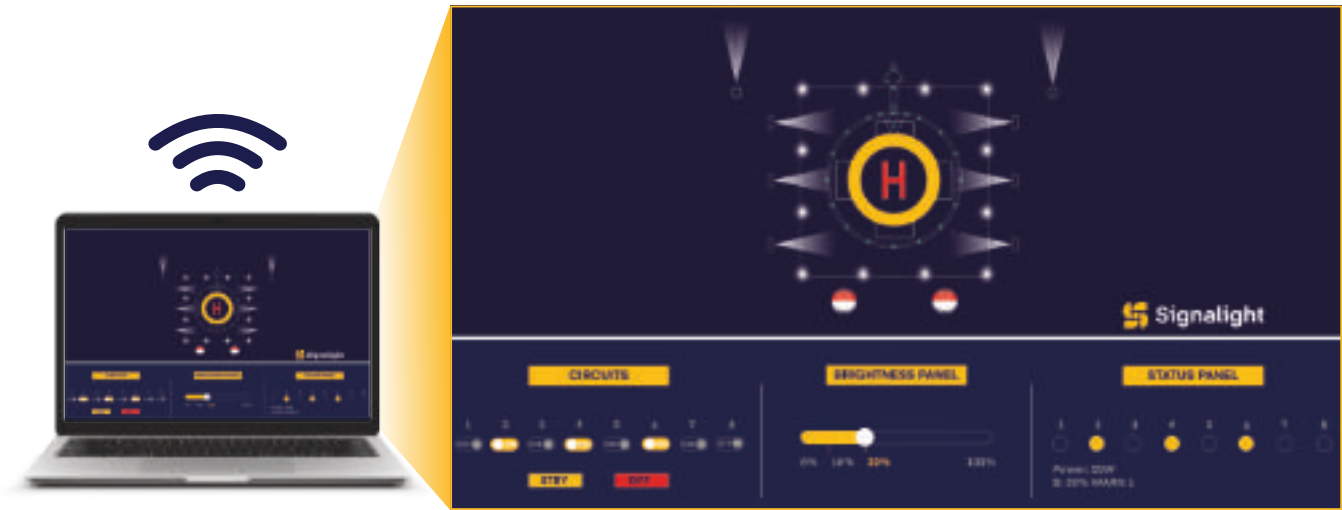
Control over the Internet

V4 controller can be connected and controlled optional over the Internet with any device like smartphone, laptop, tablet or computer. The control is made accessing the address <https://alcms.signallight.com/> User can see all his projects with the status of the system and control the scenarios.



PC Software*

Option for Heliport Controller V3
Remote control software using RS485 protocol communication. The software environment replicates the heliport lighting and guidance system layout and configuration. The user is in complete control over circuits, brightness steps, failure reporting, etc.



*(touch screen option available)



Signalight

**Safely guiding
your way**

2026

Headquarters

Electro Max S.R.L

36 Lunca Street

Petrosani

Hunedoara County

Romania

Tel: +40 254 515 465

Email: electromax@electromax.ro

signalight.com

part of

