

www.signalight.com

HELIPORT LIGHTING SYSTEMS

Anytime. Anywhere. Making landings safer
in the world's toughest places.



Signalight

Safely guiding
your way.

2023

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part of



 **Signalight**

GO BEYOND

About us

Signalight is the trademark of **Electro Max**; we manufacture complete airfield/heliport lighting, 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 Helipad and Helideck Lights, FATO, TLOF, INSET, ELEVATED or FLAT, ALIGNMENT, AIMING, Beacons, Windsocks, Perimeter Lights, Floodlights, Wind Cones, Approach Path Indicators, Solar, Portable Lights, and more.

As guidance, we offer APAPI (Abbreviated Precision Approach Path Indicator), HAPI (Helicopter Approach Path Indicator), VAGS (Visual Alignment Guidance System), and GPI (Glide Path Indicator) units.

Our range of controllers covers all your needs for controlling the lights, powering and protecting the equipment on the helipad, helideck or heliport platform.

The applications are: ground heliports or helipads, roof helipads, helideck platforms, solar portable systems, approach lighting, taxiway lighting, emergency heliport lighting, hospital heliports, military or private heliports.

Quality

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

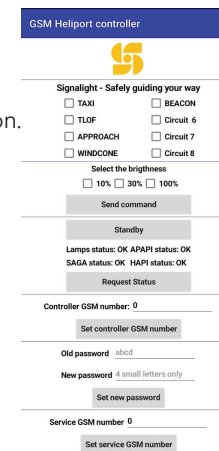
•GSM Module

Code: AL-078-AX

- Option for Controller V3

Heliport lights control and monitoring.

- Compatible with any GSM network.
- Control all system functions using an Android smartphone application.



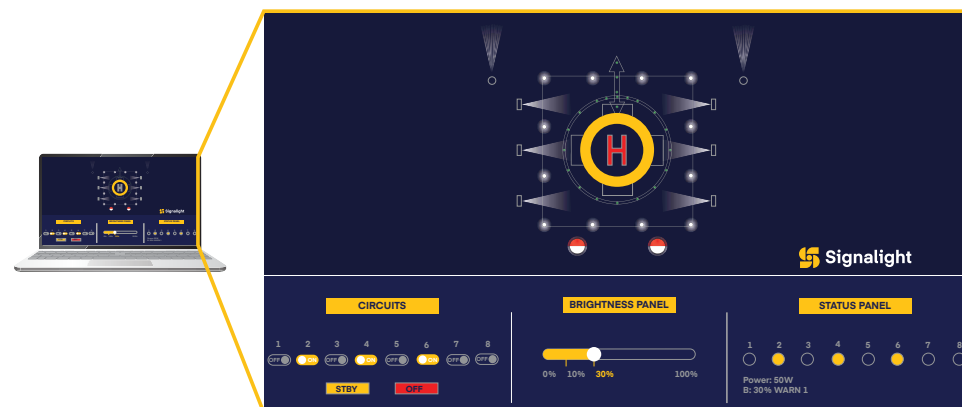
•PC Software (touch screen option available)

- 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.



Controllers

• Heliport Controller V3



Code: AL-078-AX

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 five different options, as follows:
Front-panel buttons.
Remote console using RS485 protocol communication.
PC Software using RS485 protocol communication.
GSM communication.
ARCAL remote control.

• Airport Controller V4



Code: AL-080-AX

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

More features than Airport Controller V3:
-touch screen and graphical UI
-reporting and diagnostics of the system

• Basic Beacon Controller



Code: AL-079-AX

Heliport beacon power supply and flasher.

• Beacon Controller



Code: AL-076-AX

Heliport beacon power supply, flasher and controller.

• Console Controller



Code: AL-110-AX

- Option for Controller V4
- This console communicates with the controller using RS485 protocol so that the user can turn the power ON or OFF on different circuits, can choose the brightness and check the lighting and guidance systems parameters on the console display.

• L-854 Air-to-Ground Radio Receiver



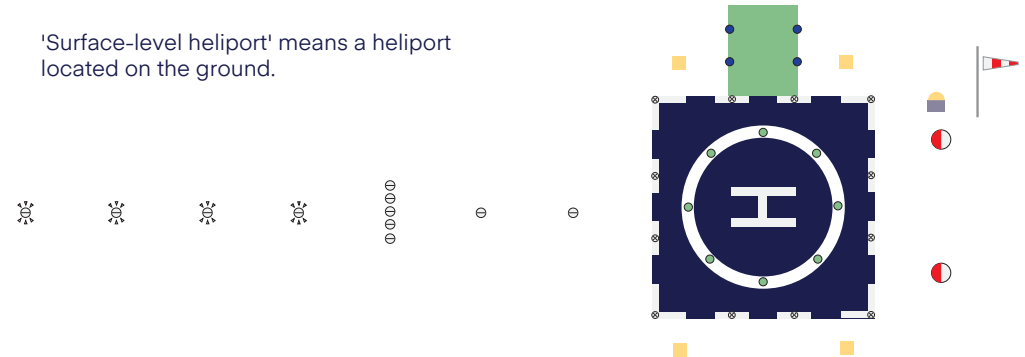
Code: AL-118-AX

- 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.

Heliports & Helidecks

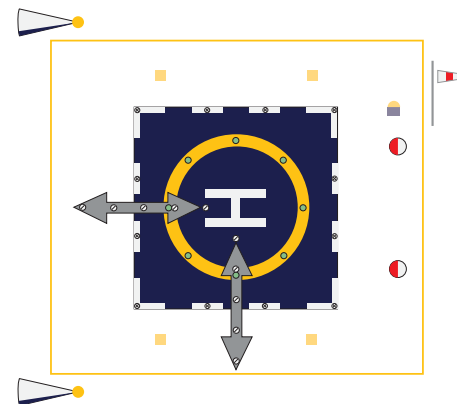
Surface Level Heliports

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



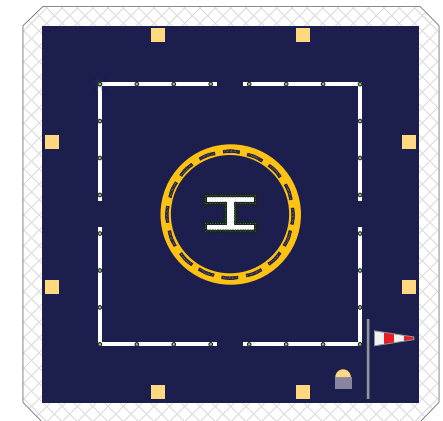
Elevated Heliports

"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 |

Products

Elevated



- TLOF
- ⊗ FATO
- Taxiway
- ✈ Approach Aiming
- IR available



AL-036-04-WH



AL-058-02-GR



AL-010-02-BL



AL-056-08-WH

Floodlights



- 60W Floodlight
- 20W Floodlight
- Luminous efficacy: 135 lm/W min.



AL-055-08-WH



AL-074-18-WH

Inset



- TLOF
- ⊗ FATO
- ⊙ Alignment
- Taxiway
- IR available



AL-071-04-WH



AL-073-03-GR



AL-089-03-WH - ALIG



AL-072-03-BL

TD/PM Circle-H

- H TD/PM luminous panels lights



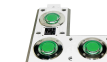
AL-122-03-YE



AL-121-04-GR



AL-120-05-GR



AL-122-03-GR

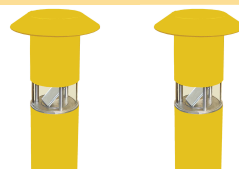


AL-123-06-GR

Visual Alingment Guidance System



- ▶ SAGA equivalent
- Depending on their relative position to the approach axis, the pilots receive visual information form two light "flashes" supplied by the two "flashing" units of the system.



AL-087-02-WH-RE

Windcone



- 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.



AL-081-XX

APAPI/HAPI/GPI



- HAPI - Helicopter Approach Path Indicator
- APAPI - Abbreviated Precision Approach Path Indicator
- GPI - Glide Path Indicator



AL-117-48-GR/RE



AL-074-18-WH



AL-088-30-WH-RE

Beacon



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



AL-061-84-WH

Other Products

FATO



AL-071-04-WH-FD



AL-071-04-WH-F

TLOF



AL-073-03-GR-FD



AL-073-03-GR-F

Alignment



AL-072-03-WH-FD

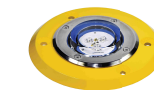


AL-072-03-WH-F

Taxiway



AL-072-03-BL-FD



AL-072-03-BL-F