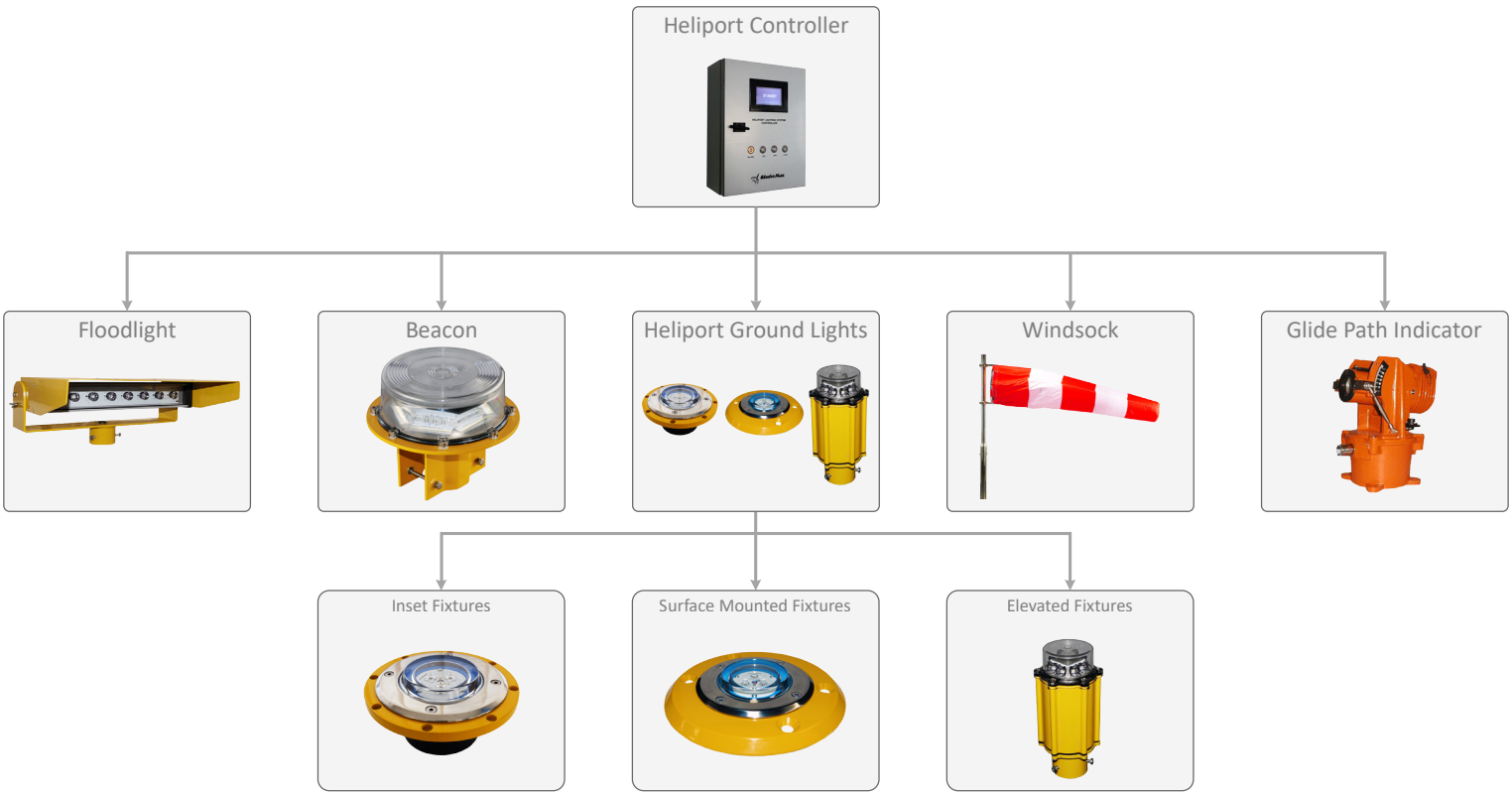
ElectroMax®
WE ARE JUST MAKING LIGHTING RIGHT

HELY
Heliport Lighting

Product Selection Guide

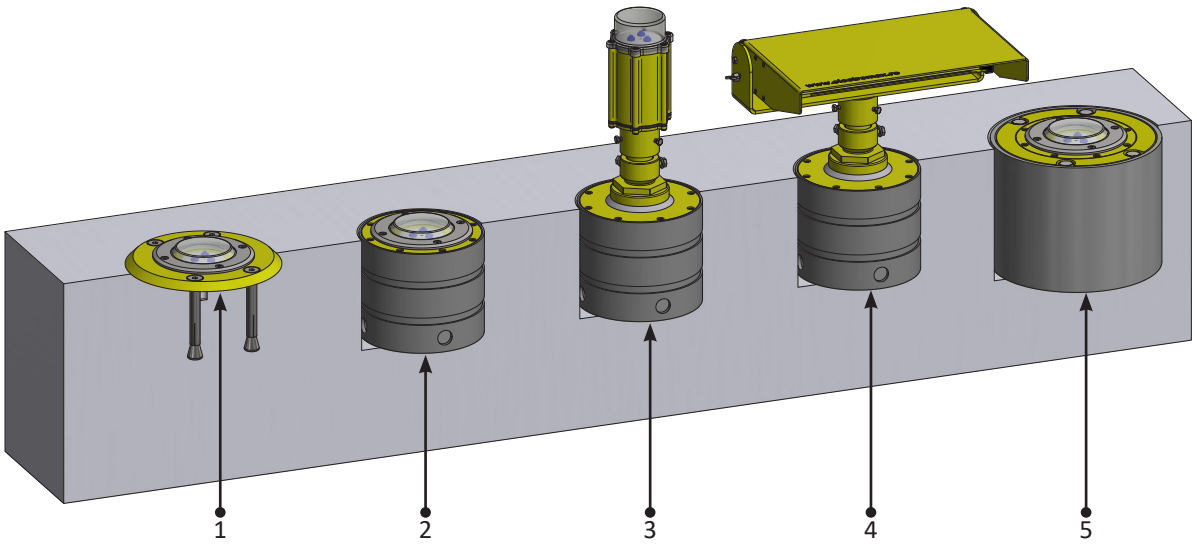


SC ELECTRO MAX SRL

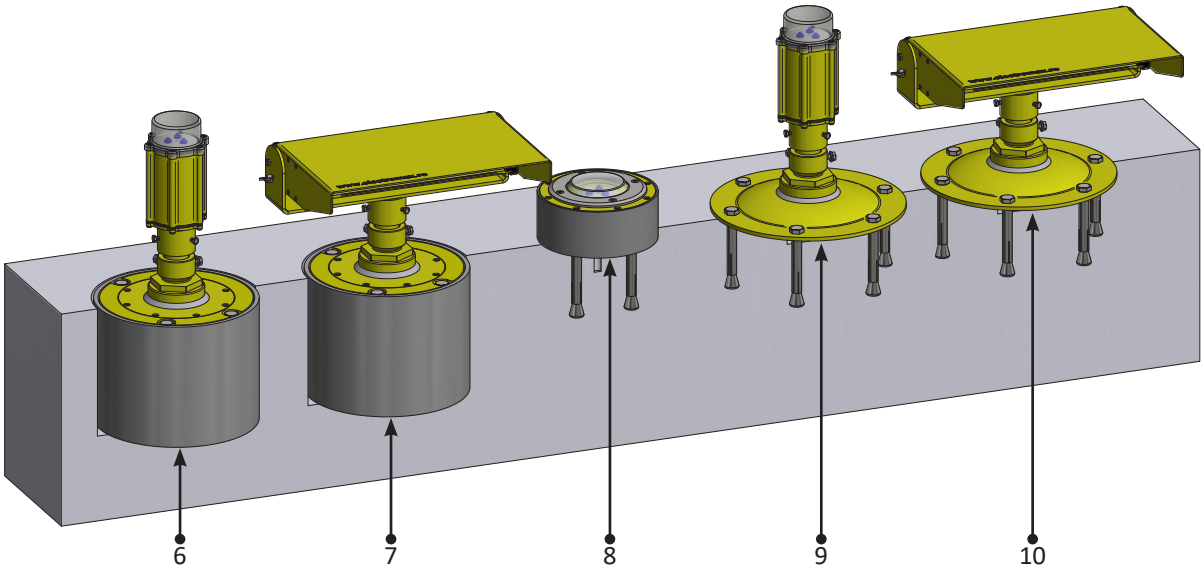
Lunca 36, 332061, Petrosani
Hunedoara County, Romania

tel.: +40 254 515 465
web: www.electromax.ro
mail: electromax@electromax.ro

Heliport Lighting Product Selection Guide



1. Surface mounted flat fixture;
2. Inset fixture mounted on ElectroMax Φ160mm standard shallow base;
3. Elevated fixture mounted on Φ160mm ElectroMax standard shallow base with frangible coupling;
4. Floodlight fixture mounted on Φ160mm ElectroMax standard shallow base with frangible coupling;
5. Inset fixture mounted on IEC type Φ8 inch shallow base, with adapter ring;



6. Elevated fixture mounted on IEC type Φ8 inch shallow base, with adapter ring and frangible coupling;
7. Floodlight fixture mounted on IEC type Φ8 inch shallow base, with adapter ring and frangible coupling;
8. Inset fixture mounted on surface with Φ160mm base;
9. Elevated fixture mounted on Φ260mm base plate, with frangible coupling;
10. Floodlight fixture mounted on Φ260mm base plate, with frangible coupling;

Heliport Controller

Beacon Basic Power Supply

The power supply of the lighting fixtures is directly from 230Vac

Becon controller - code: AL-079-AX

- Input power: 230Vac
- Output voltage: 48Vdc
- Output power: 120W for heliport BEACON

Basic Controller

Code: AL-076-AX

- Input power range: 110-240Vac
- Output voltage: 48Vdc
- Output power: 600W (120W reserved for heliport beacon)
- Compatible with TLOF, FATO, AIMING, APPROACH and BEACON
- Light Intensity Control: using a potentiometer, the following brightness levels can be set:
  - 3%, 10%, 100%

LCD Display Controler

Code: AL-077-AX

- Input power range: 110-240Vac
- Output voltage: 48Vdc
- Output power: 600W (120W reserved for heliport beacon)
- Compatible with: TLOF, FATO, AIMING, APPROACH and BEACON
- Light Intensity Control: the following brightness levels can be set:
  - 3%, 10%, 100%
- LCD Display showing the electrical parameters, status failures, etc

LCD Display Controler with Separate Circuits and GSM Control

Code: AL-078-AX

- Input power range: 110-240Vac
- Output voltage: 48Vdc
- Output power: 600W (120W are reserved for heliport beacon)
- Compatible with: TLOF, FATO, AIMING, APPROACH and BEACON
- Light Intensity Control: the following brightness levels can be set:
  - 3%, 10%, 100%
- LCD Display showing the electrical parameters, status failures, etc
- Dimming on separate circuits
- Remote control using mobile networks communications

Heliport Floodlight

Light Fixture

Code: AL-055-08-WH

- Heliport Floodlight

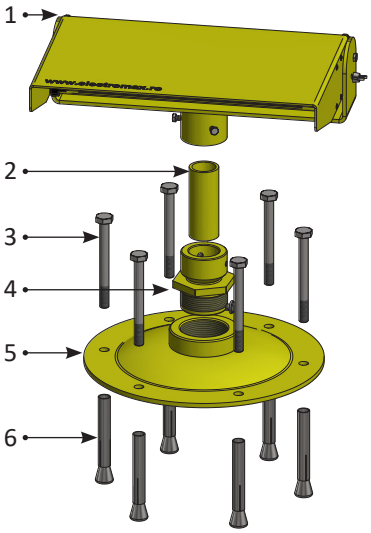
Mounting types

Φ260mm Base Plate Mounted

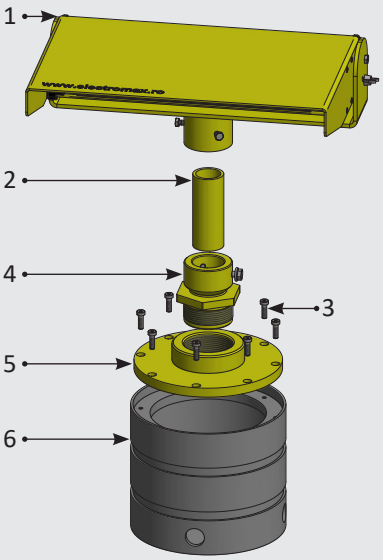
Φ160mm ElectroMax Shallow Base

Φ8" IEC type Shallow Base with Adapter Ring

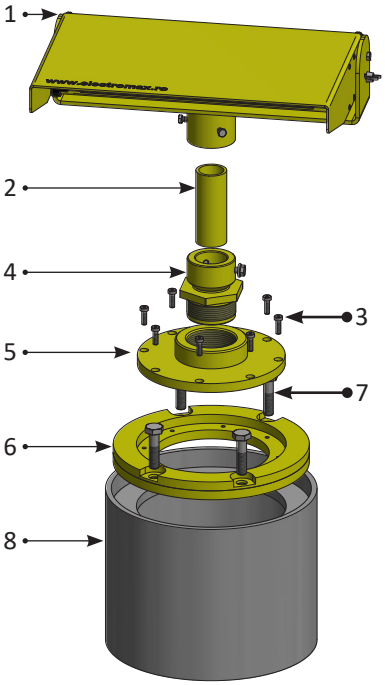
Mounting Layout



1. Light Fixture
   Code: AL-055-08-WH
2. Φ32 mm Coupling Tube
   Code: AL-100-AX
3. M10*100 Hexagonal Head Screw
4. Frangible Coupling
   Code: AL-101-AX
5. Φ260mm Base Plate
   Code: AL-102-AX
6. M10 Metal Dowel



1. Light Fixture
   Code: AL-055-08-WH
2. Φ32 mm Coupling Tube
   Code: AL-100-AX
3. M5*16 Allen Screw
4. Frangible Coupling
   Code: AL-101-AX
5. Mounting Plate
   Code: AL-103-AX
6. Standard Φ160mm Shallow Base
   Code: AL-104-AX



1. Light Fixture
   Code: AL-055-08-WH
2. ϕ32 mm Coupling Tube
   Code: AL-100-AX
3. M5*16 Allen Screw
4. Frangible Coupling
   Code: AL-101-AX
5. Mounting Base
   Code: AL-103-AX
6. Adapter Ring for 8" Shallow Base
   Code: AL-105-AX
7. M10*20 Hexagonal Head Screw
8. Φ8" IEC type Shallow Base

Heliport Elevated Fixtures

Light Fixture

- TLOF (Touchdown and Lift Off Area Perimeter)
  Code: AL-058-02-GR
- Aiming - FATO (Final Approach and Take Off Area)
  Code: AL-036-04-WH
- Approach
  Code: AL-056-08-WH
- Taxiway
  Code: AL-010-02-BL

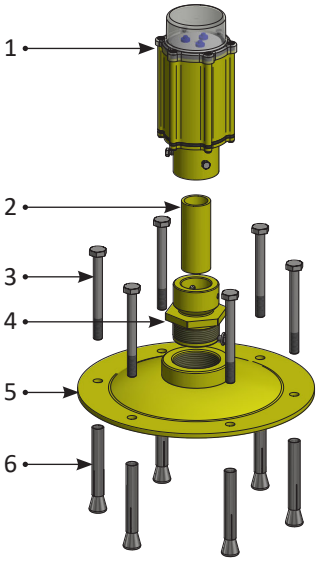
Mounting types

Φ260mm Base Plate Mounted

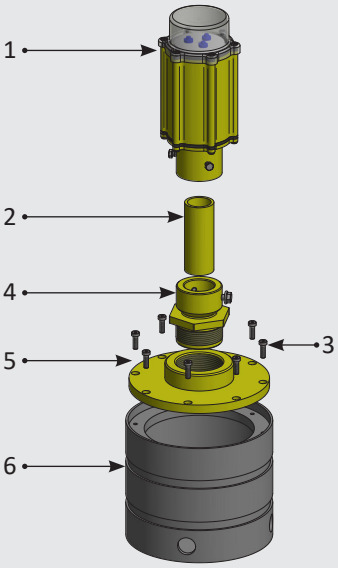
Φ160mm ElectroMax Shallow Base

Φ8" IEC type Shallow Base with Adapter Ring

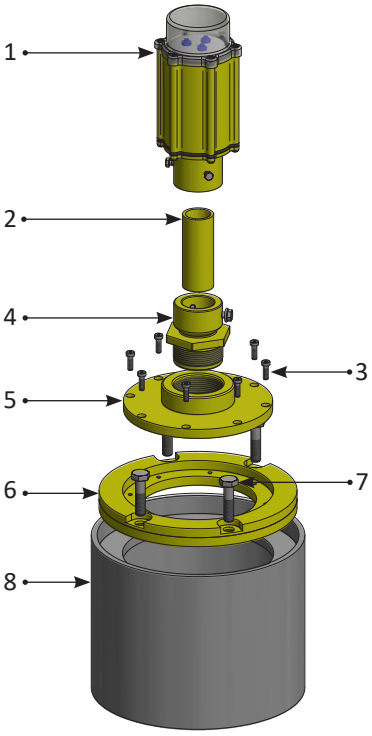
Mounting Layout



1. Light Fixture
2. Φ32 mm Coupling Tube
   Code: AL-100-AX
3. M10*100 Hexagonal Head Screw
4. Frangible Coupling
   Code: AL-101-AX
5. Φ260mm Base Plate
   Code: AL-102-AX
6. M10 Metal Dowel



1. Light Fixture
2. Φ32 mm Coupling Tube
   Code: AL-100-AX
3. M5*16 Allen Screw
4. Frangible Coupling
   Code: AL-101-AX
5. Mounting Plate
   Code: AL-103-AX
6. Standard Φ160mm Shallow Base
   Code: AL-104-AX



1. Light Fixture
2. ϕ32 mm Coupling Tube
   Code: AL-100-AX
3. M5*16 Allen Screw
4. Frangible Coupling
   Code: AL-101-AX
5. Standard Base for Frangible Coupling
   Code: AL-103-AX
6. Adapter Ring for 8" Shallow Base
   Code: AL-105-AX
7. M10*20 Hexagonal Head Screw
8. Φ8" IEC type Shallow Base

Heliport Inset Fixtures

Light Fixture

- Aiming - FATO (Final Approach and Take Off Area)

  Code: AL-071-04-WH

- Taxiway

  Code: AL-072-03-BL

- TLOF (Touchdown and Lift Off Area Perimeter)

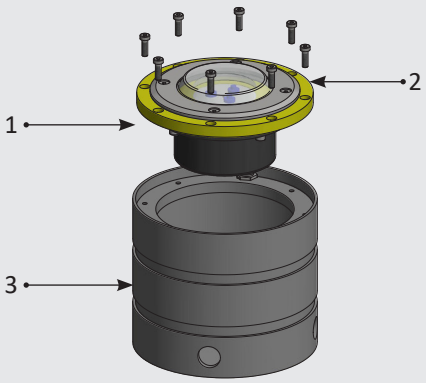
  Code: AL-073-03-GR

Mounting Types - Inset

Φ160mm ElectroMax Shallow Base

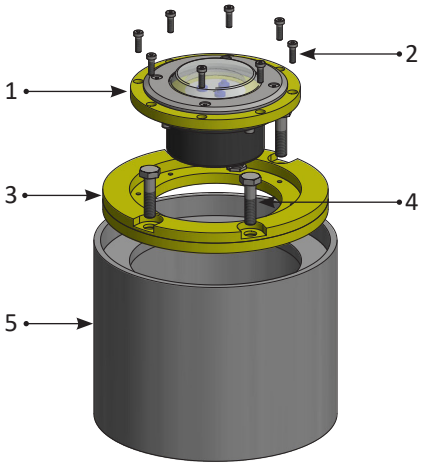
Φ8" IEC type Shallow Base with Adapter Ring

Mounting Layout - Inset



1. Light Fixture
2. M5*16 Allen Screw
3. Standard Φ160mm Shallow Base

   Code: AL-104-AX

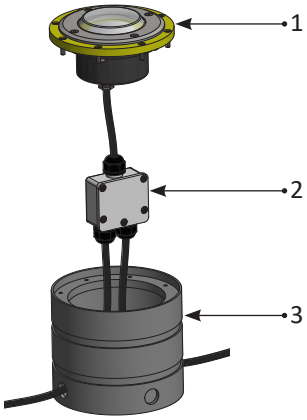


1. Light Fixture
2. M5*16 Allen Screw
3. Adapter Ring for 8" Shallow Base

   Code: AL-105-AX

4. M10*20 Hexagonal Head Screw
5. Φ8" IEC type Shallow Base

Electrical Connections



1. Light Fixture
2. IP68 Electrical Junction Box

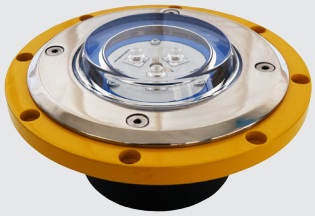
   Code: AL-107-AX

3. Standard Φ160mm Shallow Base

   Code: AL-104-AX

Heliport Surface Mounted Fixture

Light Fixture

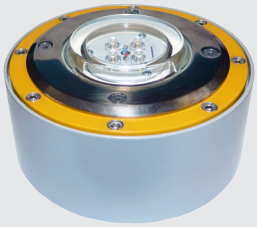


- Aiming - FATO (Final Approach and Take Off Area)
  Code: AL-071-04-WH
- Taxiway
  Code: AL-072-03-BL
- TLOF (Touchdown and Lift Off Area Perimeter)
  Code: AL-073-03-GR

- Aiming - FATO (Final Approach and Take Off Area)
  Code: AL-071-04-WH-F
- Taxiway
  Code: AL-072-03-BL-F
- TLOF (Touchdown and Lift Off Area Perimeter)
  Code: AL-073-03-GR-F

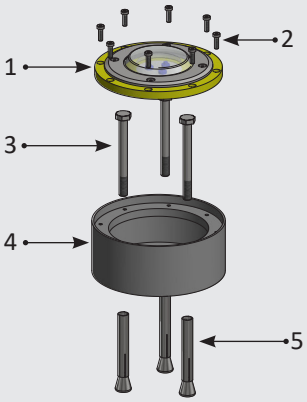
Mounting Types

Mounted on Φ160mm Base



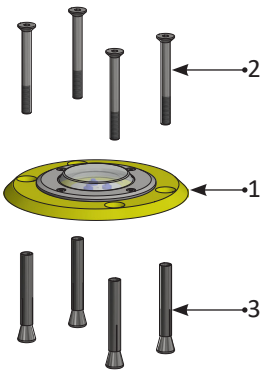
Surface Mounted

Mounting Layout



1. Light Fixture
2. M5*16 Allen Screw
3. M10*100 Hexagonal Head Screw
4. Φ 160mm Surface Mounted Base
   Code: AL-106-AX
5. M10 Metal Dowel

Maximum high above ground 80mm



1. Light Fixture
2. M10*100 Allen Screw
3. M10 Metal Dowel

Maximum high above ground 25mm

Heliport Beacon

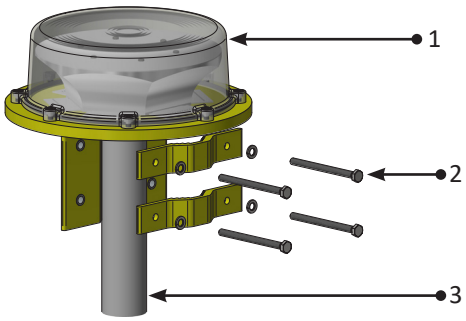
Light Fixture

Code: AL-061-84-WH

- Heliport Beacon
- Compliant with standards:
  ICAO Aerodromes, annex 14

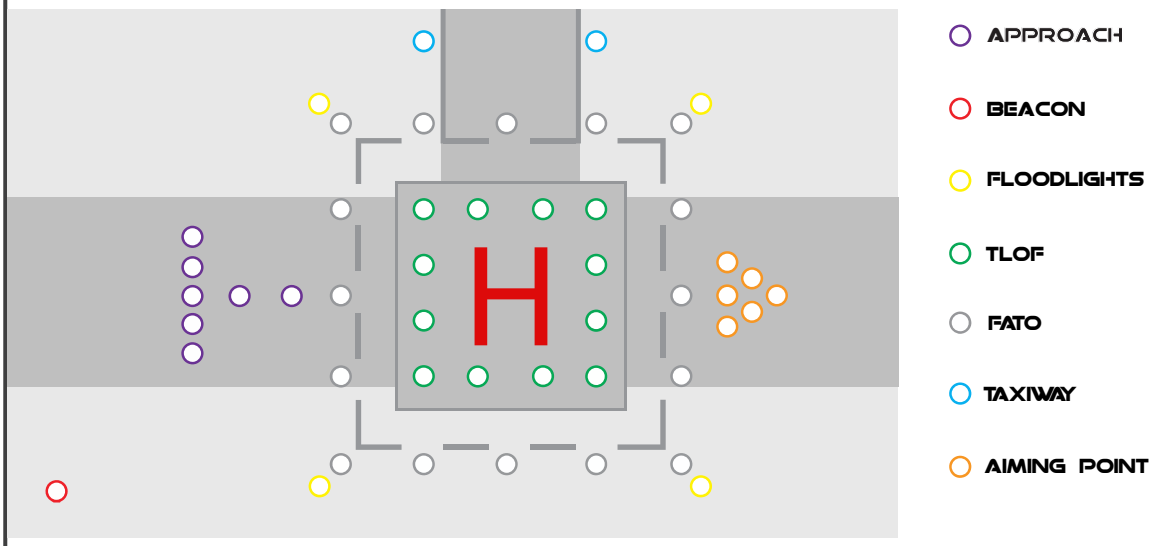
Power supply is made from a controller

Mounting Layout



1. Light Fixture
   Code: AL-061-84-WH
2. M6*100 Hexagonal Head Screw
3. Φ32mm - Φ60mm Tube

Lighting Equipment Location on a Heliport



SC ELECTRO MAX SRL

Lunca 36, 332061, Petrosani, Hunedoara County, Romania

tel.: +40 254 515 465
web: www.electromax.ro
mail: electromax@electromax.ro