



Flight Light Inc.
2708 47th Ave.
Sacramento, California, U.S.A.
95822-3806



ALSF-II System
120/240V ac
Honeywell

PH (916) 394-2800 FX (916) 394-2809
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ALSF-II System

Model: GEA20-0207-1, Three Intensity with Lamp Monitoring:
Category II or III Weather Conditions, 120/240 V ac

The Honeywell Approach Lighting System with Sequence Flashing Lights (ASLF-II) is a high intensity approach lighting system that provides a visual lighting path for landing the aircraft.

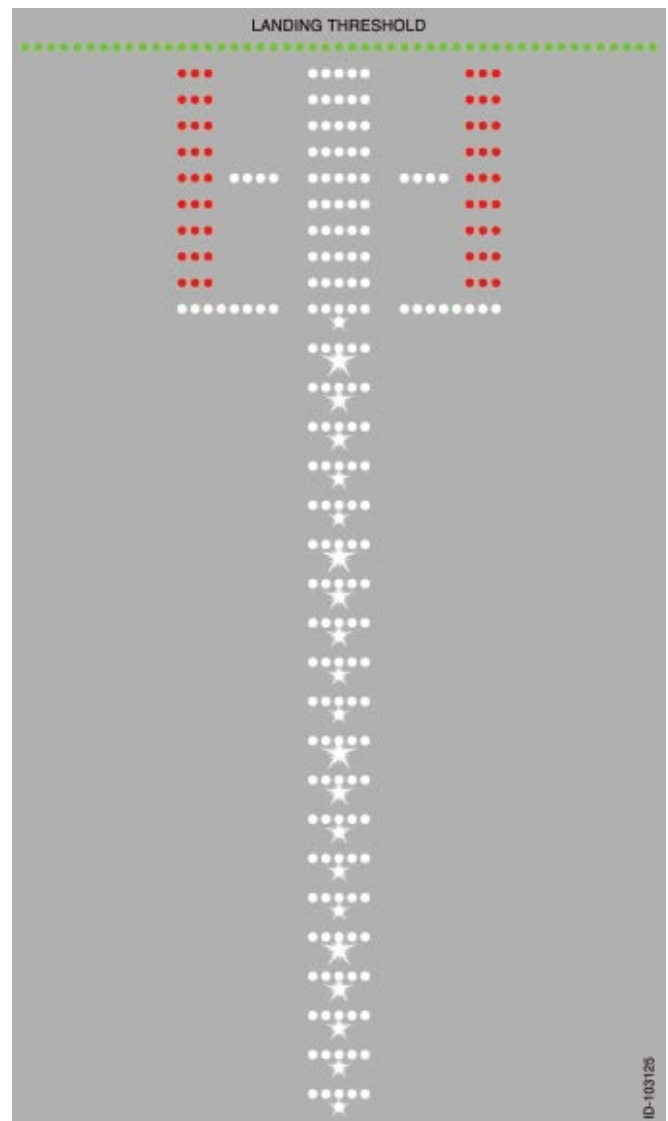
The ALSF-II system usually is a 3000-foot-long array of lights but can be longer or shorter depending on local terrain and requirements.

A typical ALSF-II system consist of the following light fixture components:

- 30 light bars each with 5 steady burning white PAR56 fixtures
- 2 light bars each with 8 steady burning white PAR56 fixtures
- 2 light bars each with 4 steady burning white PAR56 fixtures
- 18 light bars each with 3 steady burning red PAR56 fixtures
- 21 sequence flashing white PAR56 fixtures
- Threshold bar of 49 steady burning green PAR56 fixtures.

The ALSF-II system can be mounted on 2-inch EMT, up to a 6-foot mounting height or on frangible towers over 6feet. The system includes lamp monitoring as a standard feature.

System control of the sequence flashing lights is accomplished through the master controller selecting one of three light intensities: low, medium, or high. The steady burning white and red PAR56 fixtures are controlled by separate circuits connected to constant current regulators located in the airport lighting vault. Both the sequence flashing and the steady burning light systems provide for either local or remote control.



Typical ALSF-II Layout

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ALSF-II System Components - GEA20-0207-1

ALSF-II System Specification - GEA20-0207-1

| System Components | Qty | Part Number | Weight (lb) |
|----------------------------------|-----|---------------|-------------|
| SEQUENCE FLASHING LIGHTS: | | | |
| Control cabinet, 120/240 V | 1 | GEA20221-1 | 80.0 |
| Power supply, 120/240 V | 21 | GEA20540A-1M | 80.0 |
| Flash head | 21 | GEA20360 | 4.0 |
| Cable assembly, 60 ft | 21 | GEA20151-1 | 5.0 |
| Junction box | 21 | GEA20169 | 7.0 |
| Frangible coupling | 86 | 75-59E | 1.0 |
| Flanges: | | | |
| - Floor | 86 | B1A0009SDE3 | 1.0 |
| - Base | 44 | GEA20316-1 | 0.5 |
| Aiming device | 1 | GEA80008 | 0.5 |
| Flasher tester, 120 V | 1 | GEA20362-2 | 3.0 |
| Manual, 120/240 V | 1 | BFG-M20-211 | -- |
| STEADY BURNING FIXTURES: | | | |
| PAR56 fixture | 277 | GEA80 | 3.0 |
| Filters: | | | |
| - Red | 54 | AP3510R | 2.0 |
| - Green | 49 | AP3510G | 2.0 |
| Frangible coupling | 277 | 40000163-001 | 1.0 |
| Cord set 6 ft | 277 | GEA20152-18 | 1.0 |
| Shorting device (optional) | 277 | GE80030 | 1.0 |
| Lamps: | | | |
| - 300 W, 20 A | 174 | Q20A/ PAR56/C | 1.0 |
| - 500 W, 20 A | 103 | Q20A/ PAR56/1 | 1.0 |
| Transformer: | | | |
| - 300 W, 20/20 A | 215 | L-830-9 | 21.0 |
| - 500 W, 20/20 A | 54 | L-830-13 | 22.0 |
| Primary connector kits | | L-823 | 1.0 |
| - For #8 cable | | EK54D4D4 | |
| - For #6 cable | | EK54D4D3 | |

| | | |
|--------------------------|---|--|
| OPERATIONAL: | | |
| Sequence flashing lights | Input power | 120/240 V ac, 60 Hz; single-phase, 3-wire center tap |
| | Current | 30 A ac |
| | Power | 7.2 k Va |
| Steady burning lights | Input power | 5,000 V ac, 60 Hz |
| | Current | 20 A |
| | Power | 80.8 kW + losses |
| ENVIRONMENT: | | |
| | Temperature | -55 to +55°C |
| | Relative humidity | 0 to 95% |
| | Altitude | 10,000 ft |
| PHOTOMETRIC: | | |
| | High intensity | 8,000 to 20,000 candela |
| | Medium intensity | 800 to 2,000 candela |
| | Low intensity | 150 to 450 candela |
| EQUIPMENT: | Sequence flashing FAA-E-2628 | |
| APPLICATIONS: | Category II Standard or Category II Conditional | |

ALSF-II Optional System Components - GEA20-0207-1

| System Components | Part Number | Weight (lb) |
|--|-------------|-------------|
| Spare parts trunk | GEA20041 | -- |
| Transformer bases with cover | L-867B | -- |
| Frangible tower assemblies | -- | -- |
| 1500 W Transformers for tower applications | -- | -- |

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