



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

+1.800.806.3548
+1.916.394.2800

www.flightlight.com
sales@flightlight.com



ALSF-II System
120/240V ac
Honeywell

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 (ALSF-II) is a high intensity approach lighting system that provides a visual lighting path for landing the aircraft.

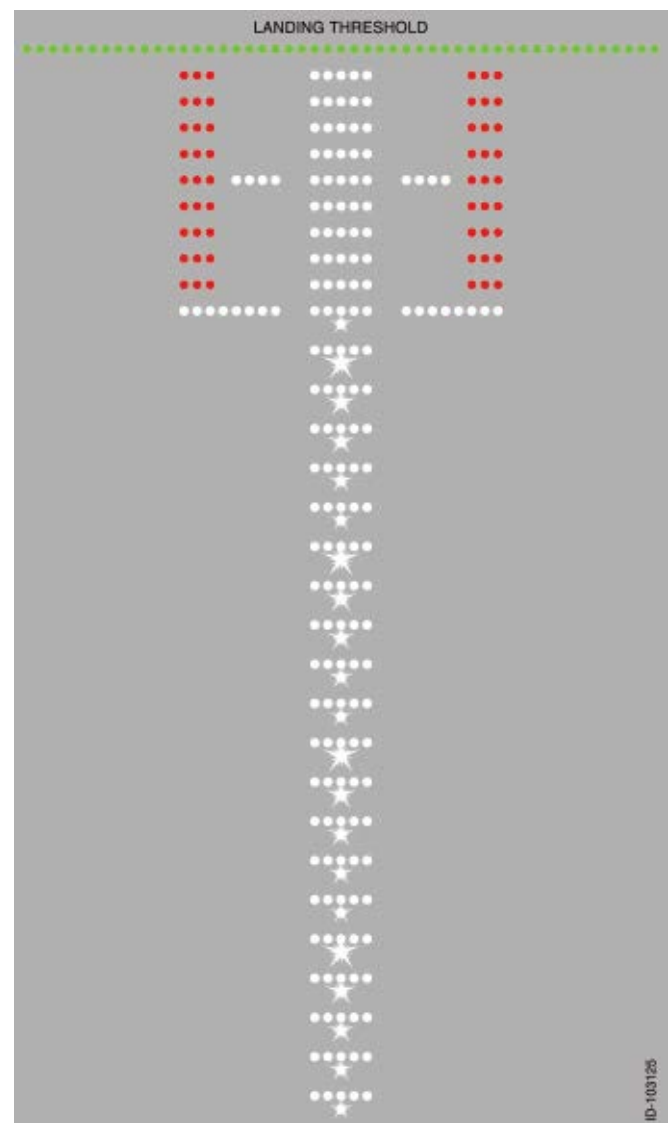
The ALSF-II system usually is a 3000-foot-long array of lights but can be longer or shorter depending on local terrain and requirements.

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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