



Flight Light Inc.
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ALSF-II/SSALR System
Military
Honeywell

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ALSF-II/SSALR System - Military

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

The Honeywell ALSF-II/SSALR System is a high intensity approach lighting system that provides a visual lighting path for landing aircraft. This system has two modes of operation: a high intensity approach lighting system with sequenced flashing lights (ALSF-II); and a simplified approach lighting system with runway alignment indicator lights (SSALR). This system is switchable from the ALSF-II System configuration to the SSALR System configuration.

The ALSF-II/SSALR 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/SSALR system consist of the following light fixture components:

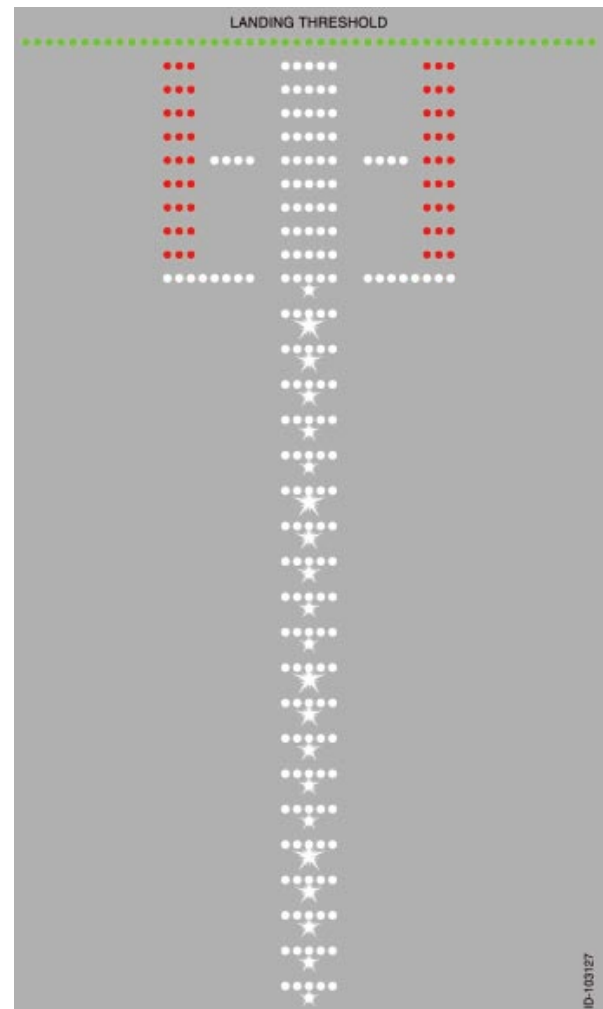
- 30 light bars each with 5 steady burning white PAR56 fixtures
- 2 light bars each with 8 steady burning white PAR56 fixtures
- 2 light bars each with 4 steady burning white PAR56 fixtures
- 18 light bars each with 3 steady burning red PAR56 fixtures
- 21 sequence flashing white PAR56 fixtures
- Threshold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

A typical SSALR system consist of the following light fixture components:

- 9 light bars each with 5 steady burning white PAR56 fixtures
- 8 sequence flashing white PAR56 fixtures
- Threshold bar of 18 steady burning green PAR56 fixtures.

The ALSF-II/SSALR system can be mounted on 2-inch EMT, up to a 6-foot mounting height or on frangible towers over 6 feet. 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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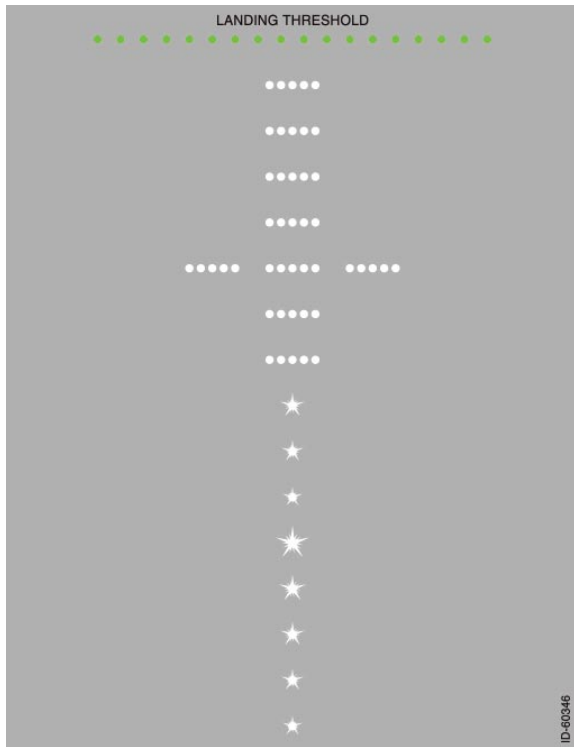


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Typical SSALR Layout

ALSF-II/SSALR System Specification - GEA20-0207B

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	79.2 kW
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	FFA-E-2689
APPLICATIONS:		
	Category II Standard or Category II Conditional	

ALSF-II/SSALR System Components - GEA20-0207B

System Components	Qty	Part Number	Weight (lb)
SEQUENCE FLASHING LIGHTS:			
Control cabinet, 120/240 V	1	GEA20292	50.0
Power supply, 120/240 V	21	GEA20404	69.0
Cable assembly, 60 ft	21	GEA20151-1	10.0
Base flange	86	GEA20316-1	—
Flash head	21	GEA20360	—
Junction box	21	GEA20402	7.0
Frangible coupling	86	75-59E	1.0
Floor flanges	86	B1A00093DE3	1.0
Aiming device	1	GEA80008	5.0
Flasher tester, 120 V	1	GEA20249	4.0
Manual, 120/240 V	1	BFG-M1036	—
STEADY BURNING FIXTURES:			
PAR56 fixture	277	GEA80	3.0
Filters:			
- Red	62	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	215	Q20A/PAR56/C	1.0
- 500 W, 20 A	62	Q20A/PAR56/1	1.0
Transformer:			
- 300 W, 20/20 A	215	L-830-9	21.0
- 500 W, 20/20 A	62	L-830-13	22.0
Primary connector kits	277	L-823	1.0

ALSF-II/SSALR System Components - GEA20-0207B

System Components	Qty	Part Number	Weight (lb)
Spare parts trunk	1	GEA20529	—
Transformer bases with cover	277	L-867B	—
Frangible tower assemblies	1 Lot	--	—

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