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ALSF-II/SSALR System  
Honeywell

## ALSF-II/SSALR System

Model: GEA20-0207A, 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 2400-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:

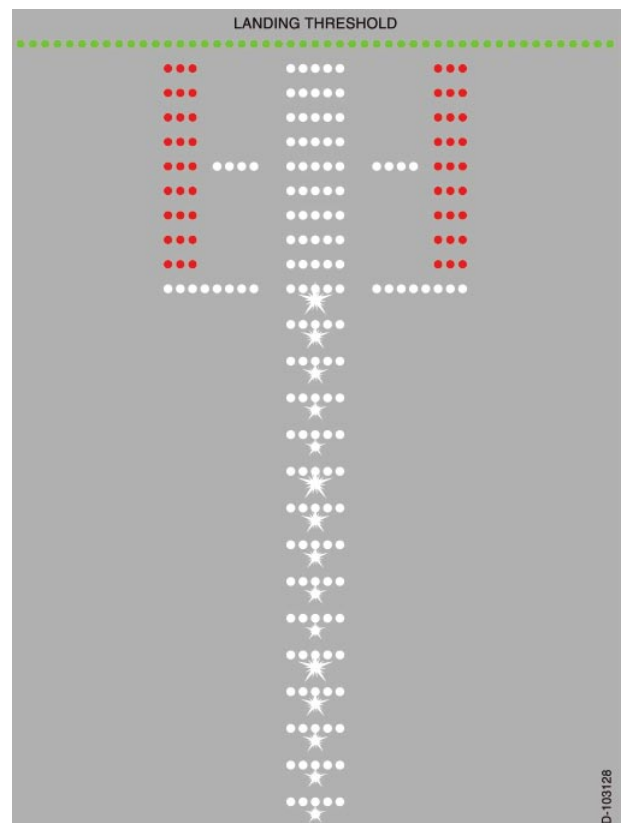
- 24 light bars each with 5 steady burning white PAR56 fixtures
- 2 light bars each with 8 steady burning white PAR56 fixtures
- 2 light bars each with 4 steady burning white PAR56 fixtures
- 18 light bars each with 3 steady burning red PAR56 fixtures
- 15 sequence flashing white PAR56 fixtures
- Threshold 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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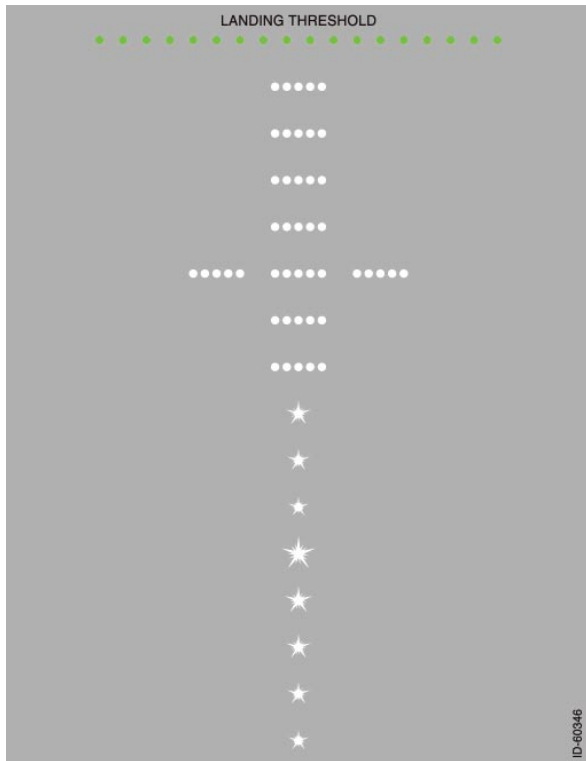
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Typical SSALR Layout

**ALSF-II/SSALR System Specification - GEA20-0207A**

<b>OPERATIONAL:</b>		
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
<b>ENVIRONMENT:</b>		
	Temperature	-55 to +55°C
	Relative humidity	0 to 95%
	Altitude	10,000 ft
<b>PHOTOMETRIC:</b>		
	High intensity	8,000 to 20,000 candela
	Medium intensity	800 to 2,000 candela
	Low intensity	150 to 450 candela
<b>EQUIPMENT:</b>		
	Sequence flashing FFA-E-2689	
<b>APPLICATIONS:</b>		
	Category II Standard or Category II Conditional	

**ALSF-II/SSALR System Components - GEA20-0207A**

System Components	Qty	Part Number	Weight (lb)
<b>SEQUENCE FLASHING LIGHTS:</b>			
Control cabinet, 120/240 V	1	GEA20292	50.0
Power supply, 120/240 V	15	GEA20404	69.0
Cable assembly, 60 ft	15	GEA20151-1	10.0
Base flange	62	GEA20316-1	—
Flash head	15	GEA20360	—
Junction box	15	GEA20402	7.0
Frangible coupling	62	40000163-001	1.0
Floor flanges	62	B1A0009SDE3	1.0
Aiming device	1	GEA80008	0.5
Flasher tester, 120 V	1	GEA20249	4.0
Manual, 120/240 V	1	BFG-M1036	—
<b>STEADY BURNING FIXTURES:</b>			
PAR56 fixture	247	GEA80	1.0
<b>Filters:</b>			
- Red	54	AP3510R	2.0
- Green	49	AP3510G	2.0
Frangible coupling	247	75-59E	1.0
Cord set 6 ft	247	GEA20152-18	2.0
Shorting device (optional)	247	GE80030	1.0
<b>Lamps:</b>			
- 300 W, 20 A	185	Q20A/PAR56/C	1.5
- 500 W, 20 A	62	Q20A/PAR56/1	1.5
<b>Transformer:</b>			
- 300 W, 20/20 A	174	L830-9	21.0
- 500 W, 20/20 A	103	L830-13	22.0
Primary connector kits		L823	1.0
- For #8 cable		EK54D4D4	
- For #6 cable		EI54DAD3	

**ALSF-II/SSALR System Components - GEA20-0207A**

System Components	Part Number	Weight (lb)
Spare parts trunk	GEA20529	—
Transformer bases with cover	L-867B	—
Frangible tower assemblies	--	—
1500 W Transformer for tower applications	—	—

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