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ALSF-I System  
Honeywell

## ALSF-I System

Model: GEA20-0107, Single Intensity with Lamp Monitoring:  
Category I Weather Conditions, 240/480 V ac

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

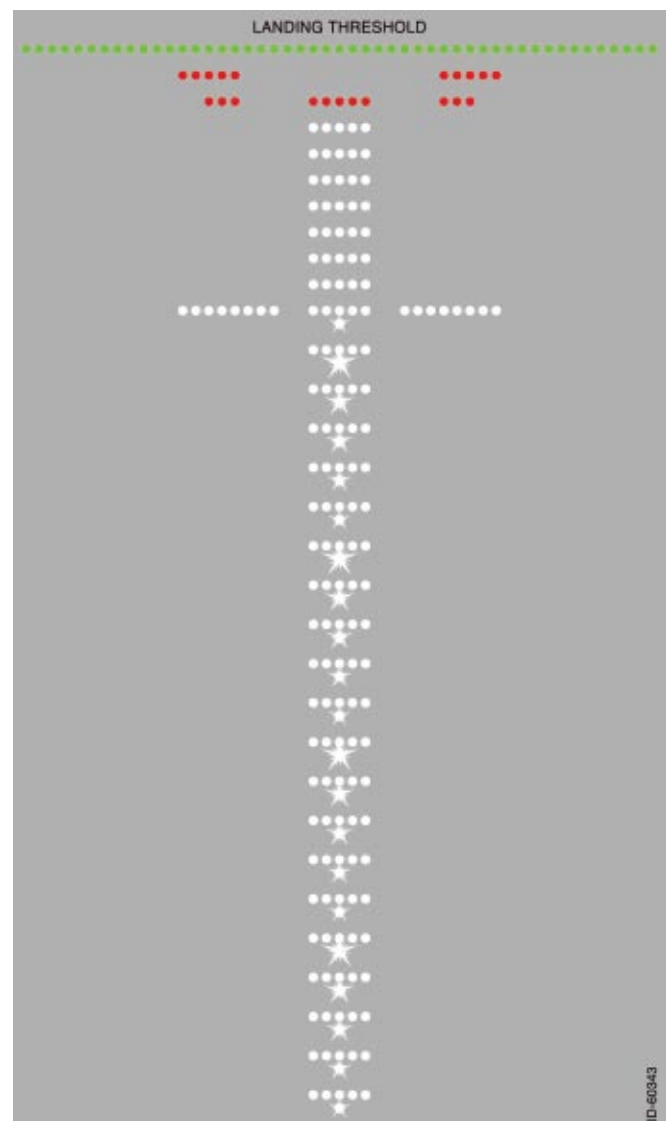
The ALSF-I system usually is a 3000-foot-long array of lights but can be longer or shorter depending on local terrain and requirements.

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

- 28 light bars each with 5 steady burning white PAR56 fixtures
- 2 light bars each with 8 steady burning white PAR56 fixtures
- 3 light bars each with 5 steady burning red PAR56 fixtures
- 2 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-I 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. 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-I Layout

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**ALSF-I System Components - GEA20-0107**

System Components	Qty	Part Number	Weight (lb)
<b>SEQUENCE FLASHING LIGHTS:</b>			
Control cabinet, 240 V	1	GEA20609	80.0
Power supply, 240 V	21	GEA20552	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
Manual, 240 V	1	BFG-M1002	--
<b>STEADY BURNING FIXTURES:</b>			
PAR56 fixture	226	GEA80	3.0
Filters:			
- Red	16	AP3510R	2.0
- Green	49	AP3510G	2.0
Frangible coupling	226	40000163-001	1.0
Cord set 6 ft	226	GEA20152-18	2.0
Shorting device (optional)	226	GE80030	1.0
Lamps:			
- 200 W, 6.6 A	226	Q6.6A/PAR562	1.0
Transformer:			
- 200 W, 6.6/6.6 A		L-830-9	21.0
Primary connector kits			
- For #8 cable		EK54D4D4	
- For #6 cable		EK54D4D3	

**ASLF-I Optional System Components - GEA20-0107**

System Components	Part Number	Weight (lb)
Bench tester	GEA20042	--
Spare parts trunk	GEA20113	--
Transformer bases with cover	L-867B	--
Frangible tower assemblies	--	--
- 300 W, 20 A	--	--
- 500 W, 20 A red and green lamp		

**ALSF-I System Specification - GEA20-0107**

<b>OPERATIONAL:</b>		
Sequence flashing lights	Input power	240/480 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
<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
<b>EQUIPMENT:</b>	Sequence flashing MIL-L-026311	
<b>APPLICATIONS:</b>	Category I or II with waivers	

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