



Flight Light Inc.
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SSALF System
Honeywell

SSALF System

Model: GEA20-0412-3

Three Intensity

The Honeywell SSALF System is a high intensity approach lighting system that provides a visual lighting path for landing aircraft.

The SSALF system usually is a 1400-foot-long array of lights but can be longer or shorter depending on local terrain and requirements.

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

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

The SSALF 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 SSALF Layout

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SSALF System Components - GEA20-0412-3

System Components	Qty	Part Number	Weight (lb)
SEQUENCE FLASHING LIGHTS:			
Control cabinet, 120/240 V	1	GEA20186-1	100.0
Power supply, 120/240 V	3	GEA20540A-1	80.0
Flash head	3	GEA20360	4.0
Cable assembly, 60 ft	3	GEA20151-1	5.0
Junction box	3	GEA20169	7.0
Frangible coupling	14	40000163-001	1.0
Flanges:			
- Floor	14	B1A0009SDE3	1.0
- Base	14	GEA20316-1	5.0
Aiming device	1	GEA80008	0.5
Manual, 120/240 V	1	BFG-20-0412	--
STEADY BURNING FIXTURES:			
PAR56 fixture	63	GEA80	3.0
Filter, green	18	AP3510G	2.0
Frangible coupling	45	75-59E	1.0
Lamp, 300 W, 20 A	45	Q20A/PAR56/C	1.0
Transformer, 300 W, 20/20 A	63	L830-9	21.0
Primary connector kits		L823	1.0
- For #8 cable		EK54D4D4	
- For #6 cable		EK54DAD3	

SSALF System Specification - GEA20-0412-3

OPERATIONAL:		
Sequence flashing lights	Input power	120/240 V ac, 60 Hz; single-phase, 3-wire center tap
	Current	4 A ac
	Power	1 K Va
Steady burning lights	Input power	5,000 V ac, 60 Hz
	Current	20 A
	Power	13.5 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	

SSALF System Components - GEA20-0412-3

System Components	Part Number	Weight (lb)
Spare parts trunk	GEA20181	--
Transformer bases with cover	L-867B	--
Frangible tower assemblies	--	--
1500 W Transformer for tower applications	--	--

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