



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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