



Flight Light Inc.  
2708 47th Ave.  
Sacramento, California, U.S.A.  
95822-3806



PH (916) 394-2800    FX (916) 394-2809  
TF (800) 806-3548    EM info@flightlight.com

**MALS System**  
**Honeywell**

# MALS System

Model: GEA20-2325

Three Intensity

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

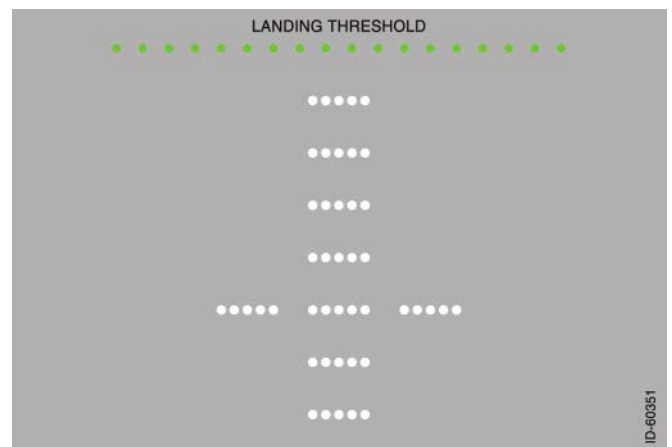
The MALS system usually is a 1400-foot-long array of lights but can be longer or shorter depending on local terrain and requirements.

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

- 9 light bars each with 5 steady burning white PAR38 fixtures
- Threshold bar of 18 steady burning green PAR56 fixtures.

The MALS system can be mounted on 2-inch EMT, up to a 6-foot mounting height or on frangible towers over 6 feet. The system can be expanded to either a MALSF or a MALSR lighting system.

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 light system provides either local or remote control.



Typical MALS Layout

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**MALS System Components - GEA20-2325**

System Components	Qty	Part Number	Weight (lb)
Control cabinet, 120/240 V	1	GEA20357	70.0
Frangible coupling	18	40000163-001	1.0
Base Flange	2	GEA20316-1	0.5
Transformer, 15 k Va	1	GEA20361	290.0
PAR38 fixture	45	GEA20460	1.0
PAR56 fixture	18	GEA80	3.0
Filter, green	18	AP3510G	2.0
Manual	1	BFG-M1074	--

**MALS System Components - GEA20-2325**

System Components	Qty	Part Number	Weight (lb)
Lamps:			
- 300 W, 120 V	18	300PAR56/NSP	1.0
Lamp, 150 W	45	150PAR56/SP	1.0
Transformer bases with cover	--	L-867B	--
Frangible tower assemblies	--	--	--
Primary connector kits	18	L823	1.0

**MALS System Specification - GEA20-2325**

<b>OPERATIONAL:</b>		
	Input power	120/240 V ac, 60 Hz; single-phase, 3-wire center tap
	Current	62.5 A ac
	Power	15 k Va
<b>TRANSFORMER:</b>		
	High intensity	120/240 V ac (100%)
	Medium intensity	75/150 V ac (20%)
	Low Intensity	50/100 V ac (4\$)
<b>ENVIRONMENT:</b>		
	Temperature	-55 to +55°C
	Relative humidity	0 to 95%
	Altitude	10,000 ft
<b>EQUIPMENT:</b> FAA-E2325		
<b>APPLICATIONS:</b> Category I		

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