MALSR (Medium Intensity Approach Lighting System with Runway Alignment Indicator Lights) is used by pilots during instrument landing approach to align the aircraft with the centerline of the runway. Up to sixty-three (63) steady-burning lights are used to create a reference plane, and up to eight (8) lights create a sequential strobing flash pattern that rolls toward the runway threshold. Three intensity settings allow the approach to be used under changing weather conditions. MALS (Medium Intensity Approach Lighting System) is available. A 6.6a series circuit powers the entire MALSR system. This provides for greater dependability, increased control, decreased maintenance, improved efficiency and lower installation costs.

**MALSR Components**

**Threshold Fixtures**
Green lights that mark the beginning of the runway and may be semiflush FAA L850E (ZA480, 210w) or elevated FAA E982 (ZA420, 100w*).

**Steady-burn Lights**
White lights that form a reference plane to aid in aircraft alignment with the runway and may be semiflush FAA E2491 (ZA480, 3@105w) or elevated FAA E982 (ZA420, 150w*).

**Sequence Flasher Fixtures**
White lights that create a sequential strobing flash pattern that rolls toward the runway threshold. May be mounted on frangible masts or frangible couplings. FAA L849, Style A and E (FTS 815 voltage-powered, FTS 835 current-driven).

**Constant Current Regulator**
A single 6.6a L828, 15kw saturable reactor regulator can power the entire MALSR system. All lights will have the required three intensity settings.

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* Exceeds 150 PAR/SP photometrics.
Medium Intensity Approach Lighting System with Runway Alignment Indicator Lights: (MALS)

Fiberglass Frangible Approach Mast
These low impact resistant (LIR) support structures are available in 6 ft to 128 ft heights to provide a high intensity guidance system in the clear zone. They are the only masts that are fully compliant with FAA-E2702 specs.

Series Isolating Transformer
FAA L830 rubber encapsulated series isolating transformers are waterproof for above ground, pull pit or ground burial installation.

L823 Connector Kits
Primary and secondary connector kits provide strong waterproof connections between components.

L-850E INSTALLED ON FAA L-868 BASE
E-982 INSTALLED ON A FAA L867B BASE CAN
(Available for heights under 6 ft.)

Visit our web site: www.flightlight.com

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

PH (916) 394-2800
FX (916) 394-2809
EM info@flightlight.com

24" dia.
11.25" bolt circle
12" dia.
2.5"
12.4"
5"

1. ZA480 fitting
2. FAA L-868 base
3. Outer earth terminal
4. Inner earth terminal
5. Isolating transformer
6. Secondary connection
7. Primary connection
8. Grommet
9. Anchor ring
10. O’ring
11. Dam ring

1. ZA420 light head
2. M32 mounting stem
3. Frangible coupling
4. FAA type L867B base
5. Isolating transformer
6. Gasket
7. Support plate
8. FAA type L867 baseplate