Runway Alignment Indicator Lights | LED RAIL

Compliance and Applications
- FAA AC 150/5340-30, 150/5345-51
- Canada: TP 312 5th Edition

Use of sequential flashing lights provide pilots a visual transition from instrument flight to visual flight during landing. The RAIL (Runway Alignment Indicator Lights) are used within an ALSF, MALSF, MALSR or SSALR approach system help the pilot align with the center of the approaching runway threshold.

Features
- Low maintenance costs
- Long-life LED for years of service
- Three intensities (low, medium, high)
- Field programmable sequence timing
- Flash monitoring
- Elapsed time meter
- Current or voltage driven
- L830-4 100W isolation transformers

Ordering Codes

Fixture	FAA Style	Type	# of Legs	Options
84-	**3:** MALSF, 3 Light **5:** MALSR/SSALR, 5 Light **15:** ALSF, 15 Light	**V:** Voltage **I:** Current	**0:** Wall Mount **1:** 1 Leg **2:** 2 Legs	**A:** Current Sensing (Type V only) **C:** Weatherproof External ON/OFF Switch **S#:** Separate Mount (specify qty)

+1.800.806.3548 USA
+1.916.394.2800 Worldwide

www.flightlight.com
sales@flightlight.com

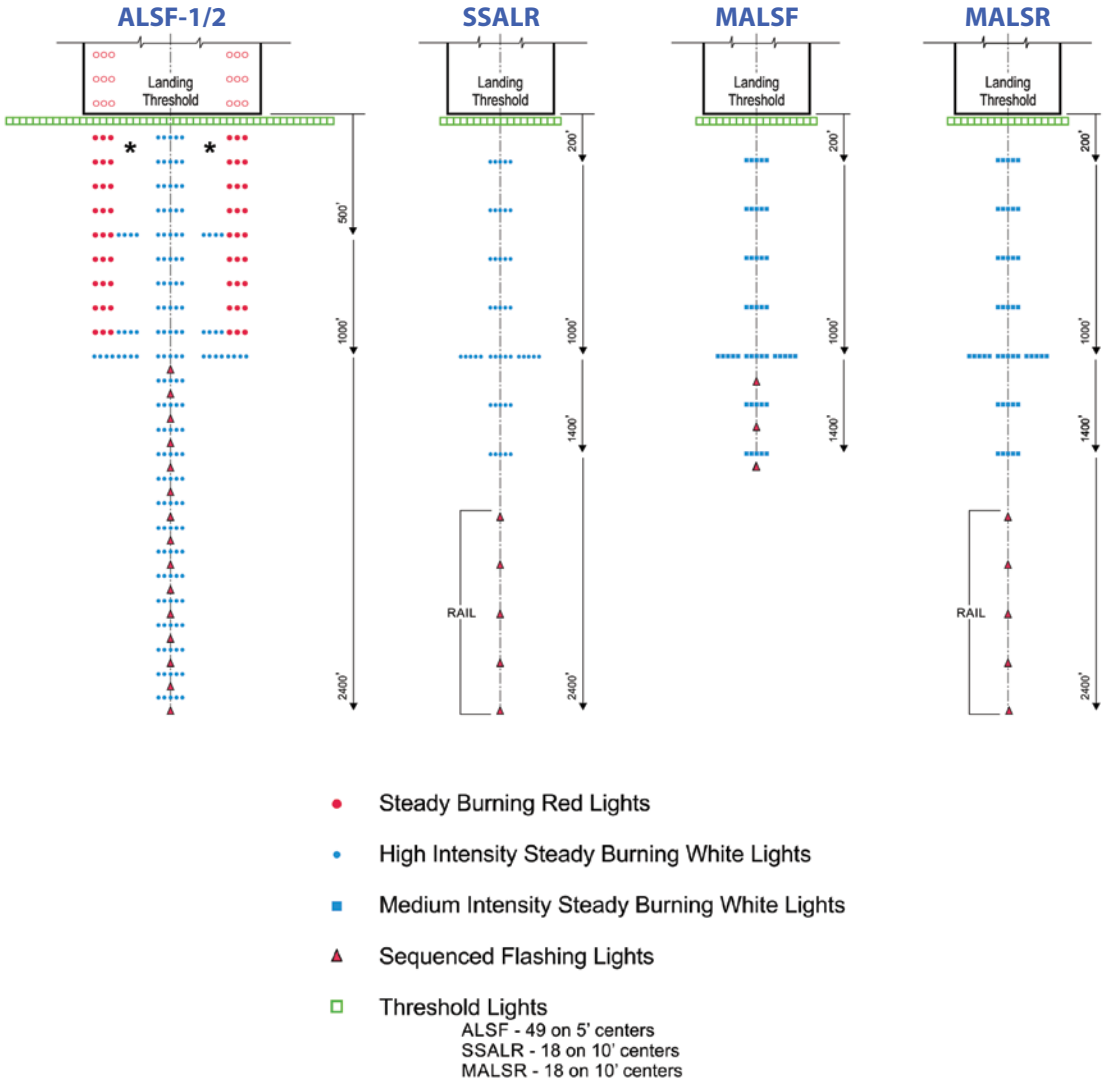
Flight Light Inc., 2708 47th Ave.
Sacramento, CA, 95822, USA

RAIL Diagrams

We provide the L-849(L) Uni-directional system to operate within each Approach Lighting System as a RAIL (Runway Alignment Indicator Light). Each RAIL system will provide a sequence of flashing lights to create a clear visual guide to align with runway threshold.

Approach Lighting System Acronyms

- RAIL: Runway Alignment Indicator Lights
- ALSF-1: High Intensity Approach Lighting System with Sequenced Lights (CAT I Standard)
- ALSF-2: High Intensity Approach Lighting System with Sequenced Lights (CAT II Standard)
- SSALR: Simplified Short Approach Lighting System with RAIL
- MALSF: Medium Intensity Approach Lighting System with Sequenced Flashing Lights
- MALSR: Medium Intensity Approach Lighting System with RAIL (CAT I Standard)



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Physical Specifications

UNI Flashhead (84-90000)	Weight = 3.5lbs Dimensions = 7H x 5.25W x 6D
Type V Power Supply (84-00905)	Weight = 4lbs Dimensions = 1.75H x 10W x 3.5D
Type I Power Supply (C7-LVCV2)	Weight = 1lb Dimensions = 2.5H x 7.25W x 2.5D
UNI Co-Mount (Enclosure + 84-90000)	Weight = 25lbs Dimensions = 22H x 15.25W x 6.5D
Enclosure	Weight = 21lbs Dimensions = 16H x 12W x 6.5D

Specifications

Current-Powered

- 2.8 to 6.6 amperes
- Operates directly from 100W Isolation Transformers
- Current Sensing set-up at Primary Unit

Voltage-Powered

- 95-264VAC, 50-60Hz

Spare Components

Description	Part Number
UNI Directional Flashhead	84-90000
Universal Controller Card (UCC)	84-00013
Sequential Controller Board	84-00014
Type-V Power Supply, 95-264V - 48Vout	84-00905
Type-V Voltage Power Conditioning PCB	84-00904
Type-I Power Supply, 6.6A	C7-LVCV2
Type-I Diode Bridge	C7-BRG
Type-I Gas Discharge Tube	C7-GDTH
Interlock Switch	55-00201
External ON/OFF Switch	CA-SW
Flashhead Cable, 50'	55-00800-050
Flashhead Cable, 100'	55-00800-100
Flashhead Cable, 200'	55-00800-200
Frangible Coupling, 2" EMT	59-E

Equipment Data

Control	Remote, local, or automatic
Flash Rate	120 fpm
Uni Nominal Intensity	High 15,000; Medium 1,500; Low 300
Uni Beam Spread	30° horizontal 10° vertical

RAIL Fixture Peak VA Ratings

RAIL	
Type I	157
Type V	289

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