



UNLIGHTED GUIDANCE SIGN

Technical Information

ETL certified UL series unlighted signs are manufactured in accordance with FAA Advisory Circular No. 150/5345-44. Constructed in 4 foot and 6 foot lengths, single and double faced, UL Series Unlighted Signs accommodate numerous legend requirements. Signs can be mounted on a cement pad or with stakes.

Construction: Sign panels are made of .080" thick, laser-cut aluminum sheet covered by a high intensity retroreflective material and secured to a frame made of .080" thick, laser-cut and formed aluminum U-channel. Frame and panel are mounted to a 2" aluminum frangible column.

Dimensions:	Character Height	Panel Height
Size 1 (small)	12 inches	18 inches
Size 2 (medium)	15 inches	24 inches
Size 3 (large)	18 inches	30 inches
	Single Faced	Double Faced
Sign Width	2.75" inches	2.75" inches
Sign Length	4 foot or 6 foot	4 foot or 6 foot

Frangibility: Per FAA specifications, UL signs are frangible. To meet the minimum strength requirements, signs must withstand a certain wind load produced by jet blast. At the same time, signs must break over at a given applied static load.

	Wind Load Minimum	Break Over Load
Mode 2	200 mph (322 km/h)	1.3 PSI (9.96 kPa)

Packing & Shipping: As many as three signs are packed in a heavy weight corrugated carton (75 inch x 50 inch x 8 inch). The signs are shipped complete with couplings and floor flanges attached.

Installation: In accordance with FAA AC 150/5340-18 on signs systems, signs should be mounted at the following distances from the "defined taxiway/runway edge":

Size 1 (small)	10 – 20 feet (3 - 6 meters)
Size 2 (medium)	20 – 35 feet (6 -10.5 meters)
Size 3 (large)	35 – 60 feet (10.5 - 18 meters)

We recommend that signs be mounted at or beyond the minimum distances at airports where there is jet aircraft traffic. Airports with wide-body jet operations should use only Size 3 (large) signs mounted 60 or more feet from the pavement edge.

Maintenance

For best overall sign performance and maximum airfield safety, we recommend regular visual inspections of the sign. The inspection should include a careful review of the sign frame, mounting legs with frangible couplings and legend.

Cleaning: During a visual inspection the sign may be cleaned with mild soap and a soft cloth.

Signs of Wear: Normal wear and tear over the life of the panel may include some loss vibrancy or de-lamination. Call us to replace.

Warranty: Standard Signs Inc warrants that all UL Series Unlighted Signs are manufactured and will perform in accordance with FAA AC 150/5345-44. Any defect in design, materials, or workmanship which may appear during proper and normal use for a period of three (3) years from installation date or a maximum of three (3) years from shipment date will be corrected by repair or replacement by Standard Signs Inc, FOB

LUMACURVE AIRFIELD SIGNS

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Introduction to UL Series

Standard Signs Inc, manufacturer of LUMACURVE internally lit Airfield Guidance Signs, also offers UL SERIES UNLIGHTED SIGNS. Manufactured in accordance with FAA Advisory Circular No. 150/5345-44, UL Series Unlighted Signs enhance airfield safety by clearly marking aircraft ground traffic routes without internal lighting. These signs are available in FAA sizes 1, 2, and 3. They are made in 48 inch and 72 inch lengths and can be either single or double faced. Our sales staff will be happy to assist in determining signage requirements for legends needed on your airfield.

ETL certified compliance with FAA specifications ensures the following benefits:

- Proper legend layout, color uniformity & reflectivity ensure that signs are identifiable from up to 800 feet.
- Rigorous temperature & tests guarantee that signs will withstand harsh weather conditions.
- Signs are frangible and can be manufactured to withstand 0.9 PSI (mode 1) but break over before 1.3 PSI (mode 2) ensuring minimal to no damage to aircraft if signs are struck.
- At the same time, signs are designed to withstand 200 mph (mode 2) winds or jet blast and stand firm in the airfield environment.

Simple construction means easy maintenance:

- Rigid, durable frames constructed of .080 Aluminum Sheet (3003 H14) are corrosion resistant.
- "Billboard" style legend panels are made of aluminum sheeting and provide years of performance yet are easily replaced as legends change with airport expansion.
- Signs knocked over are easily erected by replacing frangible couplings.
- No lighting systems to maintain or lamps to replace.

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