

DON'T BE AFRAID OF THE DARK!

It's zero dark thirty zulu, no moon and EMCON. A pilot could get lost out here, but with the LCL you've been established on centerline for the last ten miles!

The Laser Centerline Localizer (LCL), developed by Laser Guidance, Inc., cuts through the darkest night to provide accurate line-up information to the limit of visual range. In practice, pilots are able to fly precise approaches starting from as far out as twenty miles.

When mated with its counterpart, the Laser Glideslope Indicator (LGI), these two systems provide a set of visual 'needles' that tell you exactly where you are in the night sky.

Laser Visual Landing Aids (LVLA) use the crispness and color clarity of low power, eye safe lasers to provide both initial intercept guidance and on-course signals to within 0.25 degrees for line-up and 0.1 degrees for glideslope. In use, the LCL is seen as a ball of light below the round-down and the LGI appears near the island abeam the lens. The precision made possible by the LCL and LGI gives you an extra margin of safety without additional aircraft mounted equipment, radios or breach of EMCON.

For the last two years, pilots aboard the USS Constellation (CV-64) have been using the Laser Centerline Localizer for night Carrier flight operations. The system is fully integrated into the ship's standard operating procedure with excellent results. During this period, which includes an operational deployment to the Western Pacific and Persian Gulf, the LCL has exceeded all expectations. Pilots and LSO's report improved performance, improved situational awareness, and increased boarding rates.

In addition, the LCL's availability has exceeded that of all other long range line-up systems such as the ACLS and ILS. Night after night, in the harsh environment of an aircraft carrier at sea, the LCL is proving itself as a valuable asset for safe night flight operations.

Laser Guidance, Inc. is currently offering off-the-shelf production versions of both the LCL and LGI. These systems may be procured directly or through Laser Guidance's unique rental program. Typical installations can be accomplished in as little as two months. When fully deployed throughout the carrier fleet, the LCL and LGI will make carrier landings a much safer part of each night mission.

