



G. S. I. Inc.

Manufacturer & Distributor of Aerospace Lighting

E-Mail: gsiinc@knology.net

Godfrey Systems International, Inc.

3051 Pine Street ☐ Clearwater, FL. 33763-0914 ☐ U. S. A.

Tel: (727) 799-4916 ☐ Fax: (727) 724-0212

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PORTABLE AIRFIELD LIGHTING

FAA APPROVED

Compliance:

FAA AC 150/5345 and ICAO Annex 14

Civil Applications:

The UAL, COREL, and VIS PAPI family of products have successfully completed a full and comprehensive schedule of environmental and type testing designed to meet rugged and exacting standards. These include: climatic conditions, corrosion and salt resistance, mold growth, fluid contamination, EMC, vibration, shock, reliability, and maintainability.



CALKIT (Civil Airfield Lighting Kit):

Developed from the military MOSKIT (Minimum Operating Strip Lighting Kit) system to provide customers in the civil market with a cost effective, truly portable, primary, supplementary and emergency lighting. CALKIT is used at all types and categories of airfields, be it a grass/dust strip or an international Category III airfield.

Since its introduction in 1992, the Original CALKIT has been sold to a variety of customers ranging from International Airfields to smaller airfields that include both civil and military operations. The Improved CALKIT has also been sold nationwide since its introduction in October 2001.

CALKIT SALES REFERENCE LIST

The system is used in many ways:

- ☐ For rapid deployment in the case of failure of the main lighting system.
- ☐ For remote airstrips, where main lighting is not available.
- ☐ To provide lighting on alternate runways or emergency landing areas.
- ☐ To supplement the main lighting system in the event of partial failure.
- ☐ As the main lighting system on an airfield with no permanent lighting.
- ☐ To mark temporary taxiway and maneuvering areas by day and by night.
- ☐ To show the limits of obstructions and areas under repair by day and by night.



CALKIT - A reliable emergency runway lighting system used at international and domestic airports around the world.

The CALKIT has been redesigned and incorporates many new features:

- ❑ A new drop-in charging system for the COREL allows faster loading and unloading of the light units before and after the charging procedure.
- ❑ The battery chargers have been replaced by transformers and rectifiers, which are integral to the trailer, with charge control inside the COREL itself.
- ❑ Charging is much faster, with 95% capacity being achieved within eight hours.
- ❑ The CALKIT trailer now has a greater carrying capacity, even though the dimensions have been reduced. An extra four edge lights can now be added taking the total to 66 lights.
- ❑ A new lamp driver within the COREL allows for the addition of extra features to the light unit itself.

COREL (Combined Omni-Directional Runway & Taxiway Edge Light):

The COREL is sold as a main component of CALKIT and as an individual omni-directional runway edge light. The standard COREL providing 50 candela of omni-directional white light and is able to meet all appropriate international standards. Other optional features of the COREL that can be included in the unit are three light intensity, flashing, radio control, infrared (NVG compatible), and main or generator power. The COREL is designed to provide low life-cycle costs. This is based on long component life, high reliability, and ease of maintenance. The units have lenses, which are easily changed, and are available in all aviation colors for different functions on the runway.



UAL (UniDirectional Battery Powered Approach Light):

The UAL is a battery powered, portable, unidirectional approach light providing 3 pre-set levels of light intensity. UAL's are available as a manual or remote (radio) controlled unit.

The adjustable lamp housing allows elevation of the lamp to be adjusted between 2° to 8° by setting the desired approach angle on the scale and leveling with the built in spirit level. The light source is a Tungsten halogen lamp with a 2,000 hour life. Two 12V SLABs (sealed lead acid maintenance free battery) give up to 8 hours duration at the maximum intensity of 600 cd. As an option one of the three light levels may be set to provide a flashing light.

VIS PAPI (Visual Spectrum Precision Approach Path Indicator):

The PAPI is a two-lamp unit emitting a split red/white signal, which is recognized by pilots internationally. Each unit is fitted with an inclinometer (aiming device) and spirit level making the deployment easy, quick, and accurate.

The rugged, lightweight, battery powered, manual or radio controlled VIS PAPI emits a red and white signal at 3 pre-set levels of intensity. SLABs give up to 8 hours continuous operation at full intensity. The desired approach angle can be set between 2° to 8° and is accurate to within 1 minute of arc. Four light PAPI systems are also available.



In addition to the CALKIT Customers, please select the link below.

FREESTANDING EQUIPMENT SALES REFERENCE LIST

Other NON-CIVIL Portable Lighting Equipment is also available.



Sold & Serviced in the United States & Canada by G. S. I. Inc.

Manufactured by:



Metalite Aviation Lighting

Winstor Grove, Great Barr ☐ Birmingham, B44 9EJ ☐ United Kingdom

Tel: + 44 (0) 121 360 2222 ☐ Fax: + 44 (0) 121 366 6003

E-mail: info@metalite-aviation.com ☐ Website: www.metalite-aviation.com

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