



## Freeway Lighting expands its Franchises ecosystem with Plessey partnership

*Richmond, ENGLAND – 30th May 2017* Freeway announced today that it has extended its distribution agreement with Plessey to include France and Germany, in addition to UK and Ireland. Freeway, headquartered in Richmond, England, are an electronics distributor and provider of advanced lighting solutions, offering a comprehensive range of Low, Mid and High Power LED plus COB solutions, in addition to Thermal Solutions, Optics, Connectors and a range of LED Driver products.

**Giuliano Cassataro, Plessey Sales Director, said,** "We have been immensely impressed with the skills within Freeway for finding lighting solutions for difficult applications. We are keenly looking forward to working with them and bringing to Freeway some of the innovative lighting technologies and solutions Plessey has built up."

**Phil Clarke, Freeway Director for Product Marketing said,** "We are pleased to partner with Plessey to distribute their innovative LED lighting products to our customers. We aim to provide design engineers with the latest technologies so that they can create state-of-the-art solutions. Plessey continue to advance with their lighting technology and products and have been widely recognised through numerous industry awards, with Orion™ module, which was named a top-ten product at LuxLive, and also won the prestigious Sapphire Award for 'Modular LED Light Engine'."



### Plessey's high power LUCIAN™ series PLW7070 LED

Plessey, a leading expert in the manufacture of lighting products and components, is building on the success of its PLW7070 high power LUCIAN™ LED range, launched six months ago. Plessey LEDs utilise its GaN-on-Silicon technology to provide best-in-class high-power LED components and system-level lighting solutions. With the

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PLW7070, Plessey has developed a single-chip, high-voltage LED design that not only achieves better thermal performance and dramatically reduces cost, but delivers 30% more light output from an industry-standard 7070 footprint when using standard secondary optics, compared to existing four-chip solutions.

The increased output is achieved by using a unique integrated multi-junction die architecture that eliminates the shadowing effects created when using a multiple die approach. Furthermore, a low thermal resistance, less than 2°C/W, and a high maximum junction temperature of 135°C allow advanced thermal management that in turn ensures greater reliability and enables the PLW7070 to maintain its high luminous flux over the widest possible temperature range.

Offered in 12V and 24V versions and operating from input currents from 350mA to 3A, Plessey's PLW7070 LEDs provide output powers from 1W to 15W and are available with a full range of CCT and CRI options. The devices are supplied in a custom Aluminium Nitride ceramic package that has an industry standard solder pattern and footprint. A domed silicone lens provides a 120-degree wide viewing angle, while in-built ESD protection ensures stable yield throughout system manufacture and subsequent operation.

Plessey's high-power LUCIAN™ LEDs set the bar for performance in low-cost, single-chip LEDs for demanding outdoor and commercial lighting applications. Specifically, the PLW7070 range provides a differentiated solution that is particularly suited to portable torches and lamps but is equally applicable for spotlighting and down-lighting, and even high-bay and floodlighting requirements.

As part of their distribution agreement Freeway will now be stocking all PLW7070 main flux and colour bins, for enquiries please contact:

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