

# LED Lighting for UAVs

Oxley Developments Company Ltd has entered the Unmanned Air Vehicle (UAV) market having recently secured an order to supply a suite of LED external navigation and anticollision lights for the BAE Systems HERTI UAV. The fully autonomous HERTI provides a surveillance and reconnaissance capability and the lights are developed to withstand the potentially harsh environments in which they are deployed.

Based on the operational requirements, Oxley has designed a custom suite of navigation, wing tip and anti-collision lights. Rugged, lightweight and low profile the HERTI lights use high intensity LED technology pioneered by Oxley to meet FAR/JAR 23 lighting requirements, including 400cd white anticollision, in significantly smaller packages than hitherto. They are qualified to withstand shock, vibration and other environmental requirements specific to the aircraft.

The HERTI lights are coloured Aviation red, white and green as standard. The lights provide known benefits associated with LEDs including zero maintenance, high Mean Time Between Failure (MTBF) - typically 40,000 hours and low through life maintenance costs.

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<https://www.hydro-international.com/content/news/led-lighting-for-uavs>

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