

# DISCOVER SOLEIL LIGHTING SYSTEM OF BOMBARDIER GLOBAL 7500 AIRCRAFT

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**Soleil Lighting System of Bombardier Global 7500 Aircraft, what it is? It's aviation's first circadian rhythm-based cabin lighting technology, which is fully integrated with the Flight Management System. The system was designed and developed exclusively for the *Global 7500* aircraft. It even can help combat the jet lag, as it introduces Dynamic Daylight Simulation feature.**



**“We’re pleased to showcase the innovative *Soleil* lighting system on the *Global 7500* aircraft,” said Peter Likoray, Senior Vice President, Sales and Marketing, Bombardier Business Aircraft. “The *Global 7500* jet is the world’s longest range purpose-built business aircraft with an unrivalled cabin experience. Along with the aircraft’s master suite with a full bed, stand-up shower and exceptionally smooth ride, the *Soleil* lighting system helps passengers arrive at their destination feeling more rested and refreshed.”**

**The *Soleil* lighting system’s Dynamic Daylight Simulation uses specific combinations of red and blue light wavelengths that studies have shown to help stimulate or suppress the production of melatonin – which assists in regulating the sleep-wake cycle and can help contribute to synchronizing passengers’ circadian rhythms to the time at their destination.**

The *Soleil* lighting system is fully integrated into the *Global 7500* aircraft’s **nice** Touch cabin management system, and can also be customized to a passenger’s preference for either extended sleep or productivity via the system’s unique circadian adjustment setting. The *Soleil* lighting system can also conveniently be programmed to schedule the optimal times for meal services, allowing the cabin crew to better prepare and plan more efficiently.

Incorporating twice the number of individual LEDs than other cabin lighting methods, the *Soleil* lighting system delivers the most vivid and high-definition colour rendering index (CRI) of any lighting system available today.

The *Soleil* lighting system is ideally suited to the *Global 7500* aircraft and its long-range mission profile. Proven to be the highest-performing aircraft in the industry, the *Global 7500* business jet has demonstrated the capability for long-haul flights over 16 hours. With its unparalleled

performance, the *Global 7500* business jet can access the most expansive city pairings, including such routes as New York to Hong Kong, and Singapore to San Francisco,\* and the *Soleil* lighting system is the perfect complement to help combat jet lag and maximize comfort and relaxation while traversing a multitude of time zones.

The *Soleil* lighting system is a standard feature on the *Global 7500* aircraft, which entered into service in December 2018. With unmatched speed and range, the *Global 7500* business jet continues to blaze a trail in this new market segment, setting the bar for excellence in the world of business aviation.

Winner of the 2019 Aviation Week Grand Laureate Award and a Red Dot award for design, the *Global 7500* jet offers Bombardier's signature smooth ride and a spaciousness that is unique among business jets. Featuring a full-size kitchen and four true living spaces, the *Global 7500* aircraft sets the benchmark for the most exceptional cabin interior. The aircraft offers unprecedented innovative features: Bombardier's patented Nuage seat, meticulously designed for maximum comfort, and the revolutionary **nice** Touch CMS, a new way to connect with the *Global 7500* aircraft cabin through the Bombardier Touch dial, featuring business aviation's first application of an OLED display.

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