

The Ritz-Carlton

181 Wellington St. W, Toronto



THE RITZ-CARLTON

TORONTO

“Lightenco recently completed a very large lighting retrofit at The Ritz-Carlton Toronto converting nearly 2000 fixtures & lamps to LED. The new fixtures consume on average about 70% less energy than the previous fluorescent lamps, contain no mercury and were recycled safely by the installation team. This project lines up perfectly with our and Marriott’s commitments to sustainability in terms of reducing our carbon footprint, waste management and operating more sustainable hotels. The project was executed by a highly professional team, on time and on budget. I couldn’t recommend Lightenco more.” – Jeff Kelly, Director of Engineering, The Ritz-Carlton, Toronto



Covering approximately 700,000 square feet, The Ritz-Carlton, Toronto, consists of 263 luxurious guest rooms, including 56 one-bedroom corner suites, four Simcoe suites, two Wellington suites, and the exclusive Ritz-Carlton suite, with stunning views of Lake Ontario and the downtown Toronto skyline. The Ritz-Carlton worked closely with Lightenco to further advance their sustainability goals in 2024. The lighting retrofit was carried out across various areas of the hotel, ensuring that the lighting is environmentally friendly and enhances the guest experience. Smart lighting systems were also integrated into spaces that are not always occupied, further reducing energy consumption.

The Issue:

The Ritz-Carlton in Toronto faced two challenges: the looming ban on fluorescent lighting and the need to uphold their sustainability commitments. The impending fluorescent ban stems from the presence of mercury in the fluorescent bulbs, a toxic substance that poses significant risks to the environment. Improper disposal of these lamps can lead to mercury leaking into the air, water, and soil. Lightenco’s all-in-one solutions proved to be the ideal approach for The Ritz-Carlton.

The Solution:

With Marriott’s commitment to hotel-specific sustainability initiatives, Lightenco designed a tailored lighting solution to help The Ritz-Carlton reduce both carbon emissions and energy consumption while adhering to the fluorescent lighting ban. Collaborating closely with the hotel, Lightenco upgraded the entire lighting infrastructure from outdated fluorescent fixtures to advanced, energy-efficient LED technology. Additionally, smart lighting systems were installed in low-traffic areas to optimize energy use even further. The new LED setup is projected to cut carbon emissions by approximately 6,700 kg annually. Through the saveONenergy programs, The Ritz-Carlton secured over \$40,000 in incentives to support the

project. Lightenco also ensured the proper recycling of all the old fluorescent lamps, adding an extra layer of environmental responsibility to the initiative.

Scope of Work and Challenges:

- Upgrade all lighting fixtures in stairwells, back-of-house hallways, and office spaces.

Challenges

- **Scheduling:** Work had to be carefully planned around fire alarm bypass accommodations to minimize disruptions.
- **Time Constraints:** Early morning start times(6:30AM) were necessary to avoid downtown Toronto traffic delays and ensure project completion was on schedule.
- **Scope Management:** Ensuring accurate project scope was challenging due to inconsistencies in identified areas.
- **Aesthetics:** Some offices in the hotel requested different color settings for the new fixtures.

Regardless of these challenges, Lightenco’s organization and precise planning allowed the project to run efficiently. Their team is highly professional and ensured the project got completed on time with remarkable service, minimizing disruptions.

End Results and Success:

“Lightenco has a very long history of working with Marriott Hotels across Canada. From the Delta PEI, the Westin Ottawa to Marriott Downtown Calgary and many places in between, their commitment to sustainability aligns closely with our own which is a big part of why these projects are so successful. Working with Jeff, Gayan and the team at The Ritz-Carlton Toronto was a breeze as the staff are incredibly hospitable and readily available to help us make the project as smooth and seamless as possible while minimizing impact on hotel guests.”



– Steve Hubbard, Director of Sales & Business Development, Lightenco-Chargenco

The lighting retrofit at The Ritz Carlton in Toronto was a resounding success, delivering substantial energy savings and supporting Marriott’s sustainability goals. Lightenco addressed key challenges through their thorough planning and coordination. Lightenco completed the lighting retrofit on time and within budget. The new LED lighting fixtures were installed seamlessly, providing excellent service throughout the entire project.