Introduction

One of the most iconic landmarks in the Middle East, the 300 metres Kingdom Tower is the crowning glory of Riyadh, Saudi Arabia. Built in the 1990s, this huge multi-use structure covers an area of over 96,000 square metres and is home to a large shopping centre, a 5-star hotel, meeting and conference facilities and numerous office suites.

OPPLE were contracted to replace and update all the lighting in the shopping centre and throughout the guest rooms of the luxurious Four Seasons hotel.

The Lighting Challenge

With a ceiling height of over 20 metres the Kingdom shopping centre needed a high output solution to ensure a good visitor experience. However, it was also very important that running costs were reduced and, given the large heights involved, a long product life was vital. Traditional lighting solutions weren’t able to deliver all these objectives successfully.

An additional requirement was to ensure that the artificial light inside the centre blended well with the natural light that is admitted by the many external doors, allowing a seamless transition for shopping centre visitors.

Benefits

The existing 74 units of 400W metal-halide highbay fixture were replaced with OPPLE 200W LED Performer Highbay. OPPLE’s LED Highbay provided an immediate 50% reduction in power consumption over the legacy fittings. As well as low power consumption, the Performer Highbay utilizes a highly effective heat management system that offers a remarkable 50,000-hour lifespan – over 5 times longer than the conventional units that were replaced. The combined savings offered by the reduced power consumption and extended life span means that the OPPLE Performer Highbay provided a very rapid return on investment (ROI).

To satisfy the aesthetic requirements, OPPLE’s LED Performer Highbay provide multiple beam angle options and a specially designed diffusion lens to minimise light loss, allowing complete and even coverage despite the challenging 20 meters height. The colour temperature was carefully chosen to allow a seamless transition from natural to artificial light, enhancing the customer experience.

"We’ve been extremely impressed with the OPPLE team’s solution to our lighting issues. They have reduced our power and maintenance costs whilst improving the quality of our lighting, which has given our visitors a better experience."

Customer Voice