

PHILIPS

Office lighting

HOK Architects
and Master Planners,
Dubai



Pioneering **greener lighting** solutions





Leading the way in sustainable lighting

Dubai's focus on ensuring efficient and sustainable energy consumption is a key consideration for any company looking at building or renovating its offices.

But, when that company is also a pioneer in sustainable energy development, a recognized advocate of the green building council and a globally-recognized architectural firm, the need to create aesthetically pleasing offices that meet the highest LEED (Leadership in Energy & Environmental Design) standards is high.

This is precisely the situation that global architecture and urban planning firm HOK faced when moving to its new offices in the Rolex Tower in Dubai.

As Senior Associate at HOK, Sanjeev Coelho, explains: "We're pioneers in sustainable development and we take it very seriously. Therefore all of our offices have to be, at a minimum, LEED certified."

“ We live and breathe sustainability and there was a burning desire to use energy-conscious lighting. Philips’ lighting solutions, and the integration with Dynalite controls, help us with this. The way the lights come on and off is so subtle that you don’t even notice it. It’s great. ”

Sanjeev Coelho,
Senior Associate, HOK



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Choosing the right partner

While the office space had a great deal of natural light, the reception area was very dark since it was located next to the tower core. In keeping with the company’s focus on sustainability, the best lighting solution was a critical factor. *“Lighting was the most important part of our design – both in the work we do and the environment in which we work. As architects, we spend substantial amount of time drawing, sketching and looking at/reviewing minute details. Lighting is very important.”*

At a glance

- HOK's new regional offices in Dubai
- Key objectives of sustainability, innovation and intelligent lighting
- Futuristic, bright and open ambience

Result

- Philips LED lighting installed throughout the office
- A milestone for HOK in smart, responsive lighting solutions
- Philips LED lighting was critical to achieving a Gold LEED Certificate



Additionally, in line with the highest LEED standards, HOK had to be mindful of watts per sq foot when looking at lighting, both in terms of energy consumption and light output.

Philips listened to HOK's specific requirements and provided a range of options to fulfill the firm's lux levels and ambience criteria.

"It's not just the lighting level but also aesthetics. The lights needed to look futuristic and blend into the interiors – I almost didn't want to see them. And the defined lighting criteria had to be met: it had to be intelligent and responsive."





With its competitive pricing, personal service, innovative and intelligent products, and guarantees to meet and exceed relevant standards, Philips was the clear choice for HOK.

A forward-thinking solution

Philips' first task was to work with HOK to completely renovate the reception area. "The reception is the face of the company, and we needed it to be bright and open."

For Sanjeev, any lighting solution had to be LED. *"It's the future of lighting,"* he says. *"And where better to exercise this than in your own office? It's long-lasting, energy-efficient, it gives great light quality, and Philips' pricing was right".*

In line with this LED focus, Philips installed Colour Kinetics eW Fuse strip-lights to create a pattern that livened and brightened up the reception area. The addition of the Iltiluce Walksystem LED HP Opal lighting in the entrance, and the LuxSpace Accent Mini Adjustable lighting, combined with the natural light offered by the floor-to-ceiling glazing in the other parts of the building transformed what could have been a very dark and dull area into a bright, lively and welcoming space.



Facts

Client:

HOK, Architects and Master Planners

Project:

HOK Dubai, new office in Rolex Tower

Location:

Dubai, United Arab Emirates

Luminaires and controls:

Iltiluce Walksystem LED HP Opal, Color Kinetics eW Fuse PC, LuxSpace Accent Mini Adjustable, StyleID Mini Track, CoreLine Waterproof, Celino LED, Alphar Pendant LED, Complete Lighting Control System by Dynalite



Absolute lighting control

Ensuring that lighting was only engaged when needed was central to HOK achieving its high LEED rating. In line with this requirement, Philips implemented a solution that also continued to meet HOK's vision of a futuristic, innovative and energy-conscious office. As Sanjeev puts it: *"Philips' lighting strategy included the use of daylight-responsive controls and occupancy sensors."*

Philips' Dynalite lighting control solution provided ideal controls for the office, including photosensors that optimized the use of natural light, only switching on Philips' LED lighting when the natural light levels were too low.

In addition, the Dynalite system sensed when people entered and left areas, offices and meeting rooms and adjusted light levels accordingly. The numerous controls and sensors implemented as part of the Dynalite system meant that non-natural lighting was only used when required, for as long as required, adjusting and optimizing light levels *"while minimizing the need for architectural illumination. It's very subtle"*, says Sanjeev. This system was integral in HOK achieving such a high LEED rating.

A happier, greener office

The results of HOK and Philips' partnership is a bright, vibrant office that meets LEED Standards, resulting in the HOK Dubai office being awarded with LEED Gold certification.

Sanjeev is exceptionally happy with the results: *"I think we not only surpassed what we wanted to achieve as a brand, we added value to our day-to-day worklife. Our employees are happy, and the office is bright and well-lit. And the selection of lights, the fittings and the controls all contribute to that."*

The lighting has definitely had a positive effect, not just on the HOK team, but on clients and visitors too, Sanjeev enthuses: *"I've had several enquiries about who helped with the lighting, what lights have you used? And I don't hesitate to recommend Philips."*

What is LEED?

"Leadership in Energy and Environmental Design" (LEED) is a globally recognized rating system to evaluate the environmental performance of a building and encourage market transformation towards sustainable design.

The system, includes ratings for the design, construction, operation and maintenance of buildings and communities, with the aim of ensuring that building owners and operators are environmentally responsible and use resources efficiently.

There are four LEED ratings, reflecting the environmental impacts and benefits of a development, with the building needing to acquire a certain number of points for each rating:

Certified:	40–49 points
Silver:	50–59 points
Gold:	60–79 points
Platinum:	80 points +







