PHILIPS

Case study

Lighting

Office

Case Study

BNY Mellon

Location: Cork
Philips Lighting: PowerBalance, LuxSpace, Coreline, AmenityLED, Master LED Lamps, LightMaster networked controls

Fast Facts

Customer
BNY Mellon

Location
Cork

Philips Products
PowerBalance, LuxSpace, Coreline, AmenityLED, Master LED Lamps, LightMaster networked controls

Project Partner
HR Electrical Services

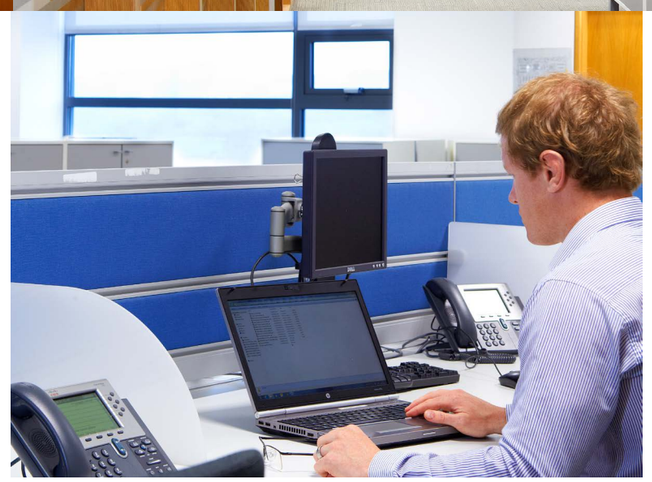
Background

A project to replace fluorescent lighting with the latest generation of LED fittings has enabled investment bank BNY Mellon to reduce lighting energy consumption by nearly 75% at its office in Cork, Ireland.

BNY Mellon is a global investments company which delivers informed investment management and investment services in 35 countries and more than 100 markets. The company's commitment to corporate social responsibility includes environmentally prudent management of its facilities, recognising that strategic management of environmental resources has a positive effect on the bottom line and helps to manage risk.

To that end, BNY Mellon is continually evaluating opportunities that will reduce energy consumption and associated carbon emissions while also satisfying its return on investment criteria.

At the company's 3900m^2 offices in Cork the energy consumption of the lighting system was relatively high, due to a combination of ageing fluorescent fittings and limited control of the lighting system. In addition, employee engagement meetings had flagged up some dissatisfaction with the quality of the lighting.



> “There were very strong cost and environmental reasons for upgrading the lighting at the Cork office and **with the help of Philips we spent a lot of time evaluating different lighting scenarios.**”

Michael O'Kane
Regional Facilities Manager, BNY Mellon

The Solution

“There were very strong cost and environmental reasons for upgrading the lighting at the Cork office and with the help of Philips we spent a lot of time evaluating different lighting scenarios,” recalled BNY Mellon’s Regional Facilities Manager Michael O’Kane. “In the past, we had been disappointed with the light output and colour consistency of earlier generations of LED lighting. Consequently we carried out a small pilot at our Dublin office for a few months to evaluate the latest generation before proceeding with the project. This gave us the reassurance that LEDs were the right solution.

“Control was also an important consideration, as we wanted to ensure that lighting was only used where necessary, taking advantage of the high levels of natural daylight at the building perimeters and responding to variable occupancy. The solution we agreed on was projected to deliver a payback within around 3.5 years. Measurements that we have taken since project completion have confirmed that the project is on track to deliver on those expectations,” he added.

Electrical contractors HR Electrical Services have now replaced the fluorescent lighting with a mix of Philips LED luminaires and retrofit lamps to meet a range of lighting needs in different environments.

“The scope and scale of the range of fittings available from Philips made it possible to source everything from one company,” Michael O’Kane observed. “Installation of the fittings was also critical as we required a constant security presence and there were also data protection issues. The installation team did an excellent job, working through the night under the supervision of the security team and within the schedule we agreed with Philips Ireland,” he continued.

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In open plan office areas 600 x 600 fluorescent fixtures have been replaced with Philips PowerBalance recessed modular luminaires, while LuxSpace downlighters have been used in and around the reception area as well as in meeting rooms. Other fixtures included CoreLine and LED Amenity in toilets and the main staircase. Existing fittings in the communications room, switch rooms and cleaners' stores have been retained and upgraded with MASTER LED lamps.

The new lighting system is controlled through a LightMaster lighting management system which provides comprehensive information on the performance of the system, accessible from a central location. The lighting control strategy includes daylight linking at the perimeters of the building and occupancy detection within the open plan spaces.

"The combination of low energy lighting and sophisticated control has delivered significant energy and carbon savings and there will be additional financial benefits from reduced maintenance requirements. We were very impressed with Philips' willingness to work with us in evaluating different lighting scenarios to ensure that we ended up with the best solution. This project will now be used as a benchmark for other lighting upgrades within the estate," Michael O'Kane concluded.

If you would like to see more projects or have an enquiry, please visit us at www.philips.co.uk/lighting or email: lighting.uk@philips.com

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Michael O'Kane
Regional Facilities Manager, BNY Mellon

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