

## Thorlux Lighting

Thorlux Lighting, part of the FW Thorpe PLC group, designs, manufactures, and distributes professional lighting systems across the world, with global facilities in England, Australia, Germany, Ireland, and the UAE.

Industry  
Lighting Manufacturer

Technology  
Solar Photovoltaic

Location  
Redditch, Worcestershire

### Overview



SOLAR PANELS INSTALLED

3,138



ANNUAL CO2 SAVINGS  
(TONNES)

266



SYSTEM SIZE (KWp)

1,428



PAYBACK (YEARS)

3



ANNUAL GENERATION (KWH)

1,004,000



EQUIVALENT RATE (P/KWH)

4p



### The Motivation

For decades, Thorlux Lighting has been at the forefront of the lighting industry, but in 2012, the company set its sights on an even brighter goal: carbon neutrality. Since this milestone, The FW Thorpe Group, parent company of Thorlux, has made significant strides toward becoming more energy efficient, cutting emissions through a variety of initiatives, including energy-saving measures and sourcing renewable energy. Now, with the growing threat of energy price hikes and an urgent need to combat climate change, Thorlux has set a bold target: Net Zero emissions by 2040.

### The Ineco Solution

In 2019, Thorlux Lighting installed a 250 kWp solar PV system at its Redditch manufacturing facility. The success of this initiative, combined with rising energy costs and a push for greater self-sufficiency, led the company to expand its solar footprint in 2021.

Partnering with Ineco Energy, Thorlux replaced the original system in 2022 with a cutting-edge 1,428 kWp installation featuring 3,138 high-performance panels. The project included roof reinforcements to support the new system and SolarEdge technology for enhanced efficiency, safety, and real-time monitoring. The original system was relocated to a sister company to maximise sustainability efforts.

With solar energy now powering its operations, Thorlux Lighting is well on its way to achieving its Net Zero goal. This installation not only delivers impressive environmental benefits but also positions the company as a leader in sustainability within the lighting industry. It's a win for both the planet and the bottom line.

### The Benefits

The benefits were immediately clear. Thorlux now generates solar power at an incredibly low cost of just 4p/kWh, ensuring long-term financial savings and a reduced carbon footprint. In fact, this new solar system is projected to save over £350k annually, and £14m over the system's lifetime. The annual carbon savings of 266 tonnes will play a crucial role in helping the FW Thorpe Group achieve its Net Zero ambitions by 2040.



The completion of the Thorlux headquarters installation is truly outstanding, with over 3,000 high-power panels. I am very proud of the result, and when I study my mobile app - which on a sunny day shows we are generating more electricity than we are using - I find it motivational and inspiring."

Michael Allcock, Group Chairman, FW Thorpe PLC