



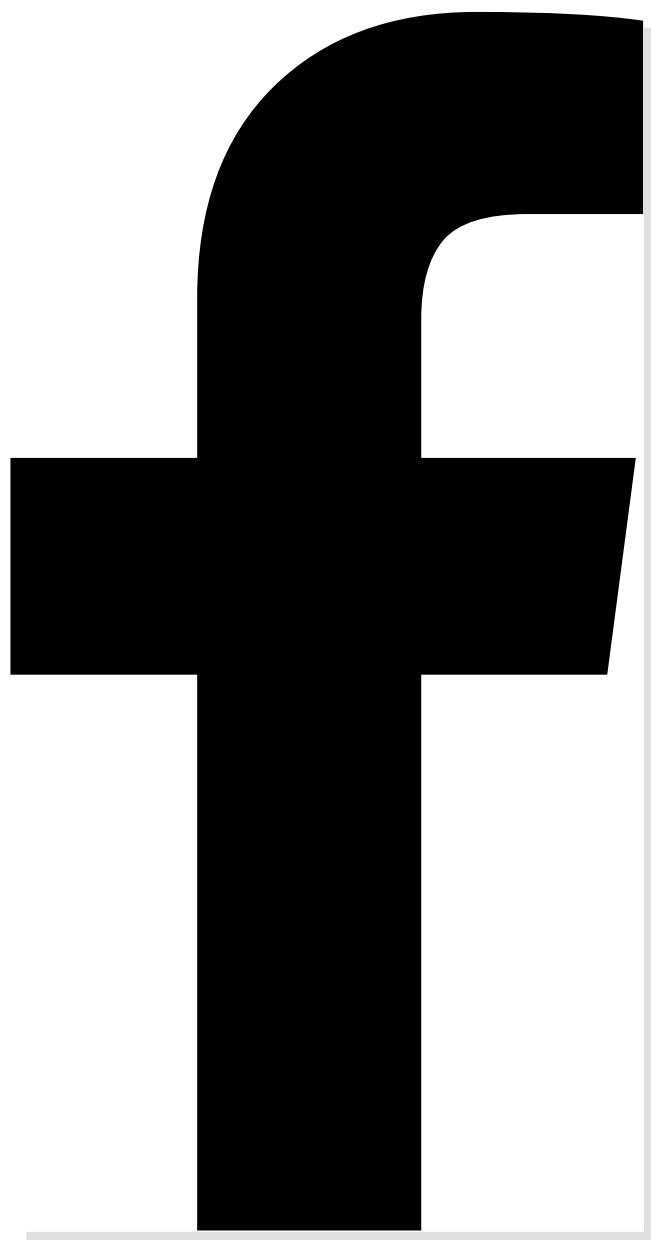
CASE STUDY

King's College Hospital, Ruskin Wing,
London

Overview: King's College Hospital, located in the heart of London, stands as one of the city's largest and busiest teaching hospitals, catering to a population of over 4.5 million people. Renowned both nationally and internationally, the hospital is a leader in specialised services such as hepatology, stroke care, major trauma, neurosciences, haemato-oncology, and foetal medicine.

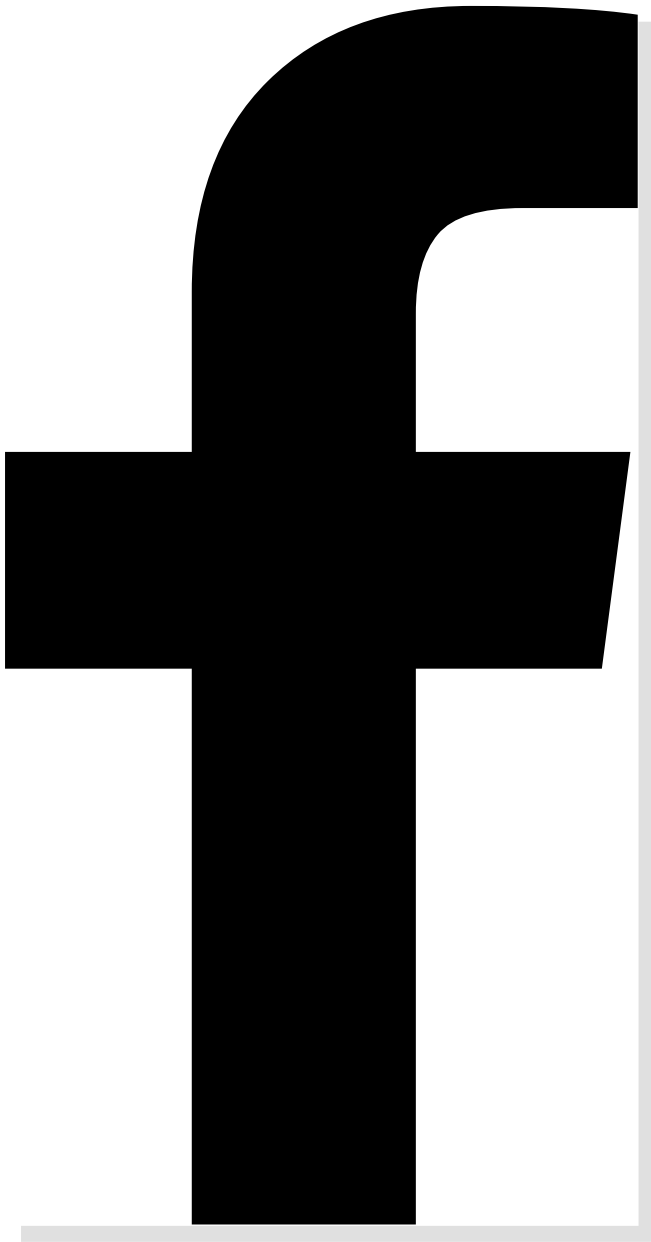
King's College Hospital is also home to Europe's largest liver transplant centre and operates Europe's largest & one of only four major trauma centres in London. With around 500 patients passing through its Emergency Department daily, the hospital is equipped with London's only 24/7 helipad for critical air transfers. King's is a prominent academic institution, housing the King's College London School of Medicine and forming part of the King's Health Partners academic health science centre, alongside Guy's and St. Thomas's Hospitals.

The Ruskin Wing of King's College Hospital plays a pivotal role in housing multiple neurology wards, including the Friends Stroke Unit, making it one of the eight designated Hyper Acute Stroke Units across London.



The Project: As part of a comprehensive upgrade, King's College Hospital sought to improve the emergency lighting system within the Ruskin Wing. Dextra, the sole supplier of lighting at the hospital, was chosen to deliver this critical update.

Working closely with Chord Engineering, the appointed contractor, and BSP, the project consultant, Dextra provided a state-of-the-art solution to enhance the hospital's emergency lighting capabilities.



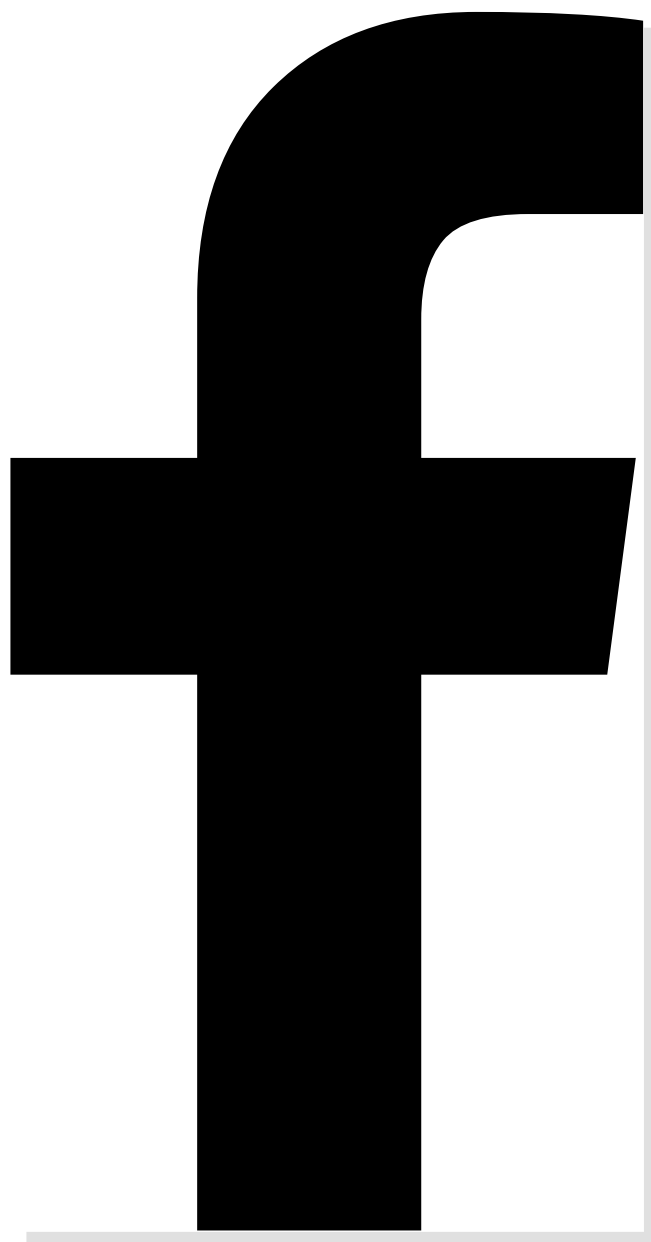
The Solution: Dextra's solution involved a full upgrade of the emergency lighting system, incorporating cutting-edge Reacta Control technology. This modern LED system was designed to improve reliability and performance while significantly reducing energy consumption.

Key features of the upgrade included:

- **Energy Efficiency:** The new system achieved an impressive 68% reduction in energy usage, contributing to both sustainability goals and cost savings.
- **Reacta Control LEDs:** Dextra's advanced LED lighting, coupled with Reacta Control, ensured that the hospital's emergency lighting was both highly efficient and easy to manage.
- **Integration of Bedhead Gear Trays:** To streamline the

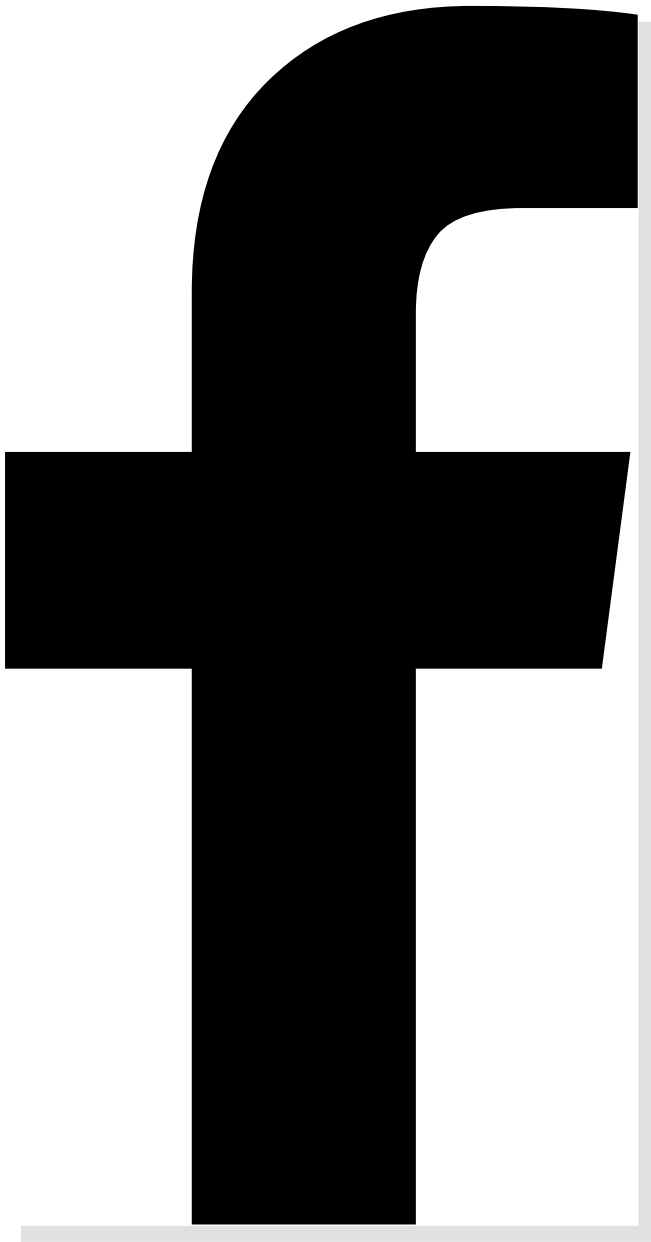
installation, Dextra designed and supplied bedhead gear trays that integrated seamlessly with the existing trunking system, minimising disruption during the upgrade.

- **Hard-Wired Controls:** To further optimise energy consumption, hard-wired controls were installed in the circulation spaces, ensuring the lighting was only active when needed.
- **Wireless Reacta Control:** In addition to hard-wired solutions, a wireless Reacta Control system was implemented for standalone emergency lighting, offering flexibility and further energy savings.

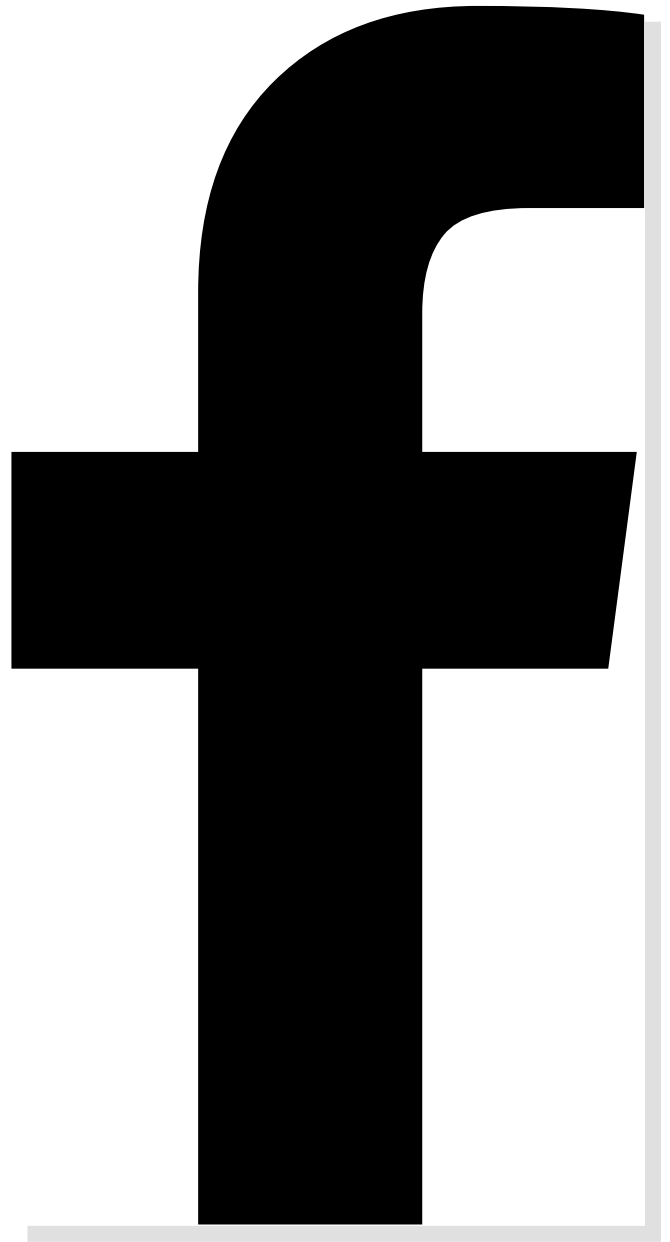


Results: This upgrade to the Ruskin Wing's emergency lighting system has not only enhanced safety and operational efficiency but also contributed to the hospital's sustainability efforts. The 68% reduction in energy consumption aligns with King's College Hospital's broader environmental objectives, while the integrated lighting solution provides improved control and reliability in critical hospital settings.

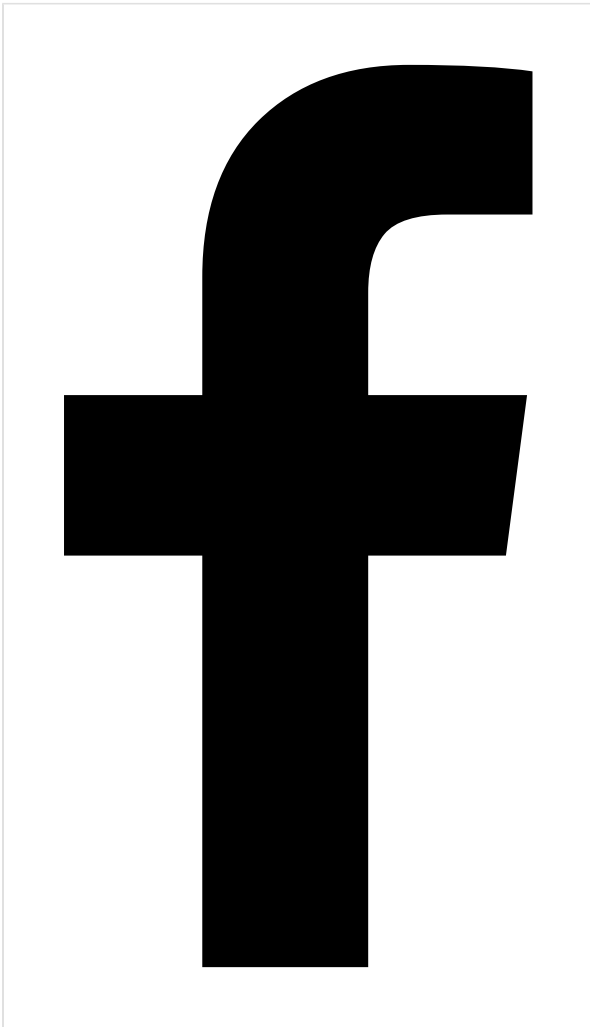
The collaboration between Dextra, Chord Engineering, and BSP resulted in a seamless upgrade that met the hospital's complex requirements while ensuring minimal disruption to daily operations.



Conclusion: Dextra's comprehensive lighting solution for the Ruskin Wing of King's College Hospital exemplifies how modern technology can significantly enhance both functionality and energy efficiency in healthcare environments. The project not only meets immediate operational needs but also aligns with long-term sustainability goals, positioning King's College Hospital as a leader in energy-efficient healthcare infrastructure.



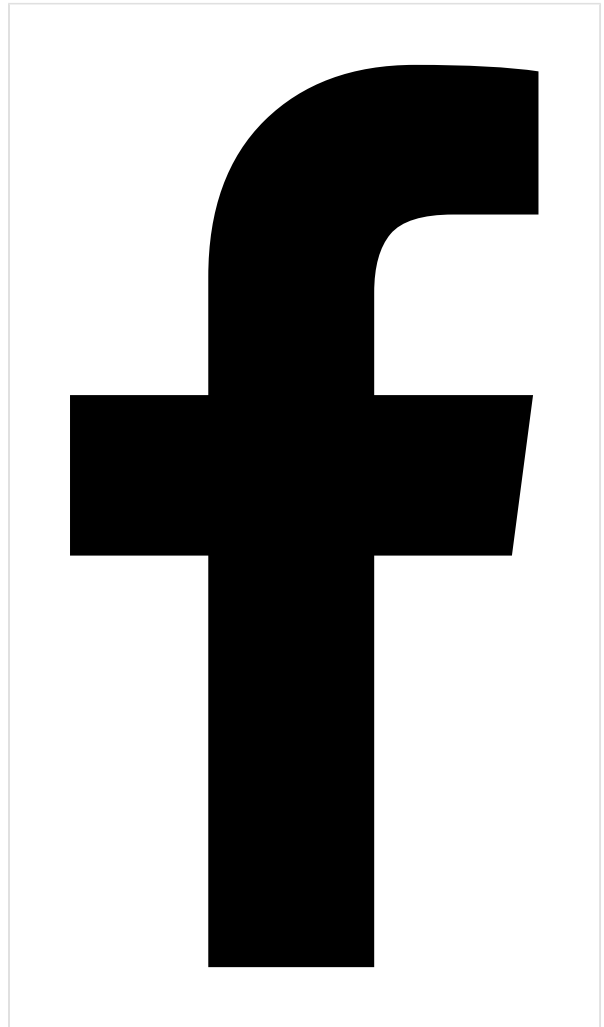
THE PRODUCTS



IMPR

The Impervia is a robust IP65 LED luminaire for use in applications where the luminaire must be protected from ingress of dirt, dust and water.

[EXPLORE PRODUCT RANGE](#)



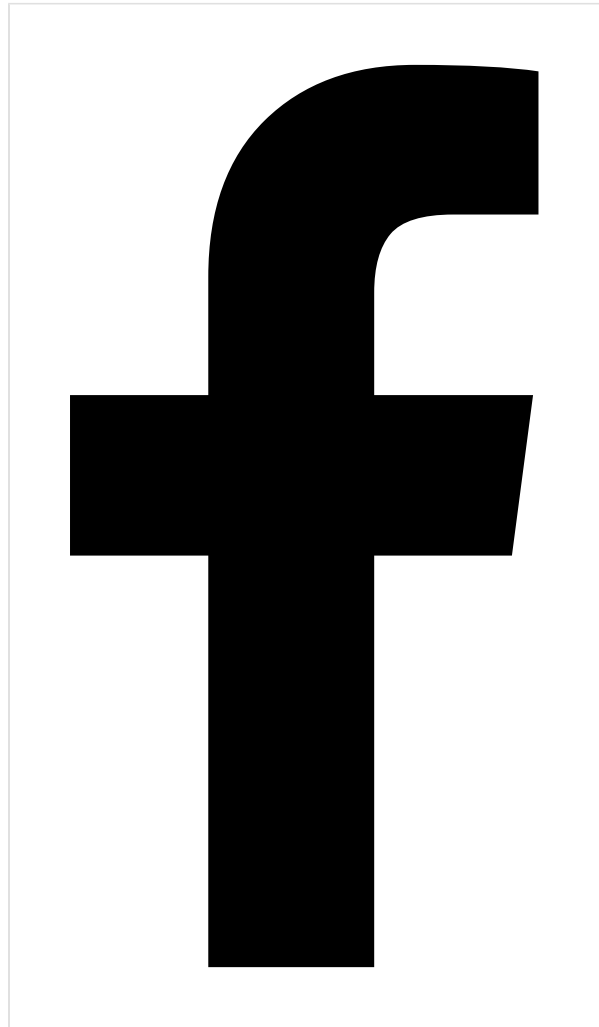
PROTEC

The Protec is the most versatile downlight in the range with a selection of attachments allowing the product to be personalised to suit most applications.

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SIREN

An injection moulded IP65 luminaire made from polycarbonate housing and diffuser offering excellent protection against light impact.

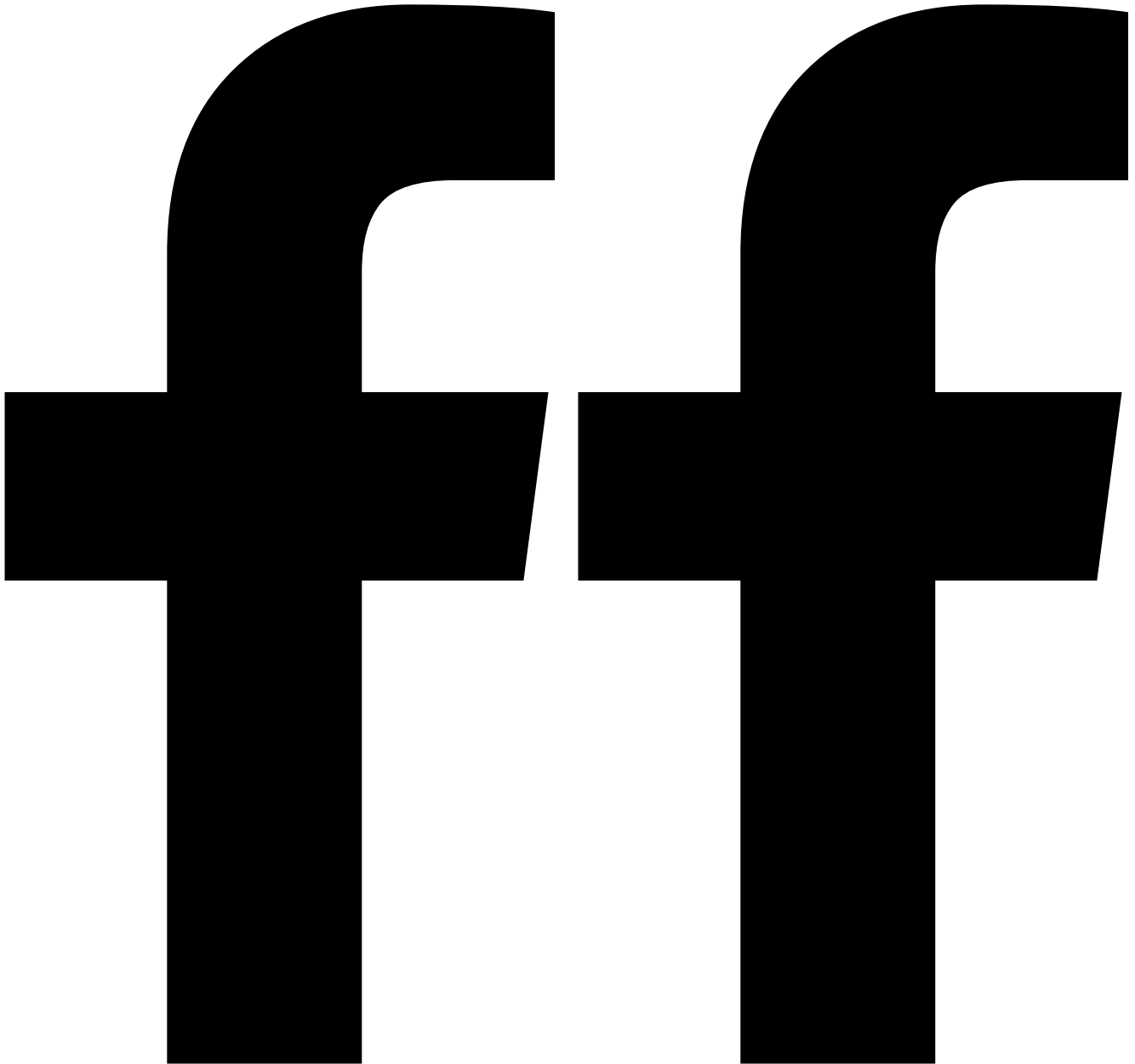
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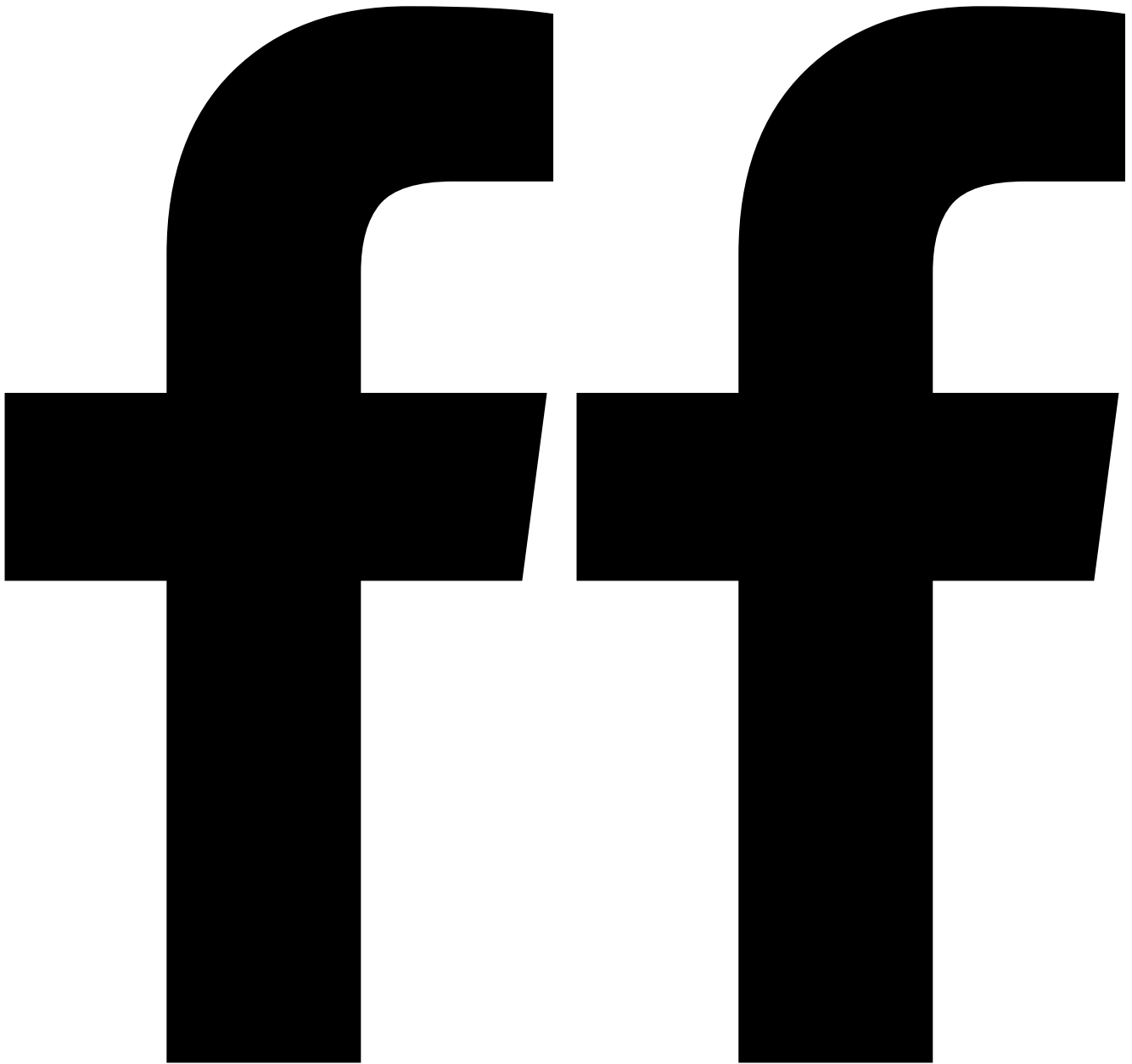
MOD CAELUS SKYLIGHT

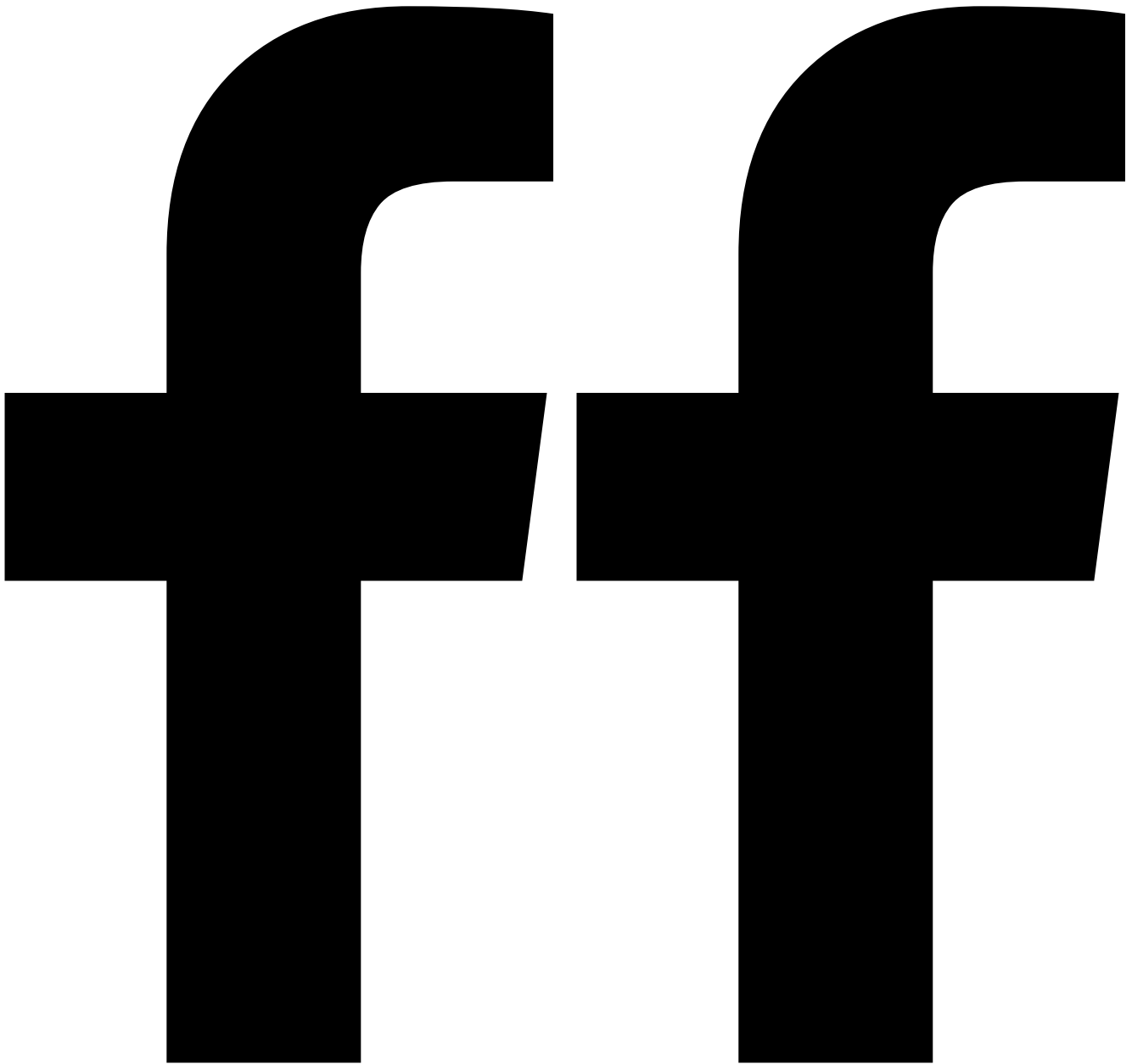
The Mod Caelus Skylight is available with a range of graphic designs allowing the simulation of skylights and other decorative features.

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GALLERY







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