

Artin.

External Lighting Design Strategy

External façade feature lighting has been designed for Kings House Manchester. The premise of the design is to sensitively illuminate the window reveal elements of the building highlighting the apertures across the façade, and the detailed stone and brickwork which make up the window reveals.

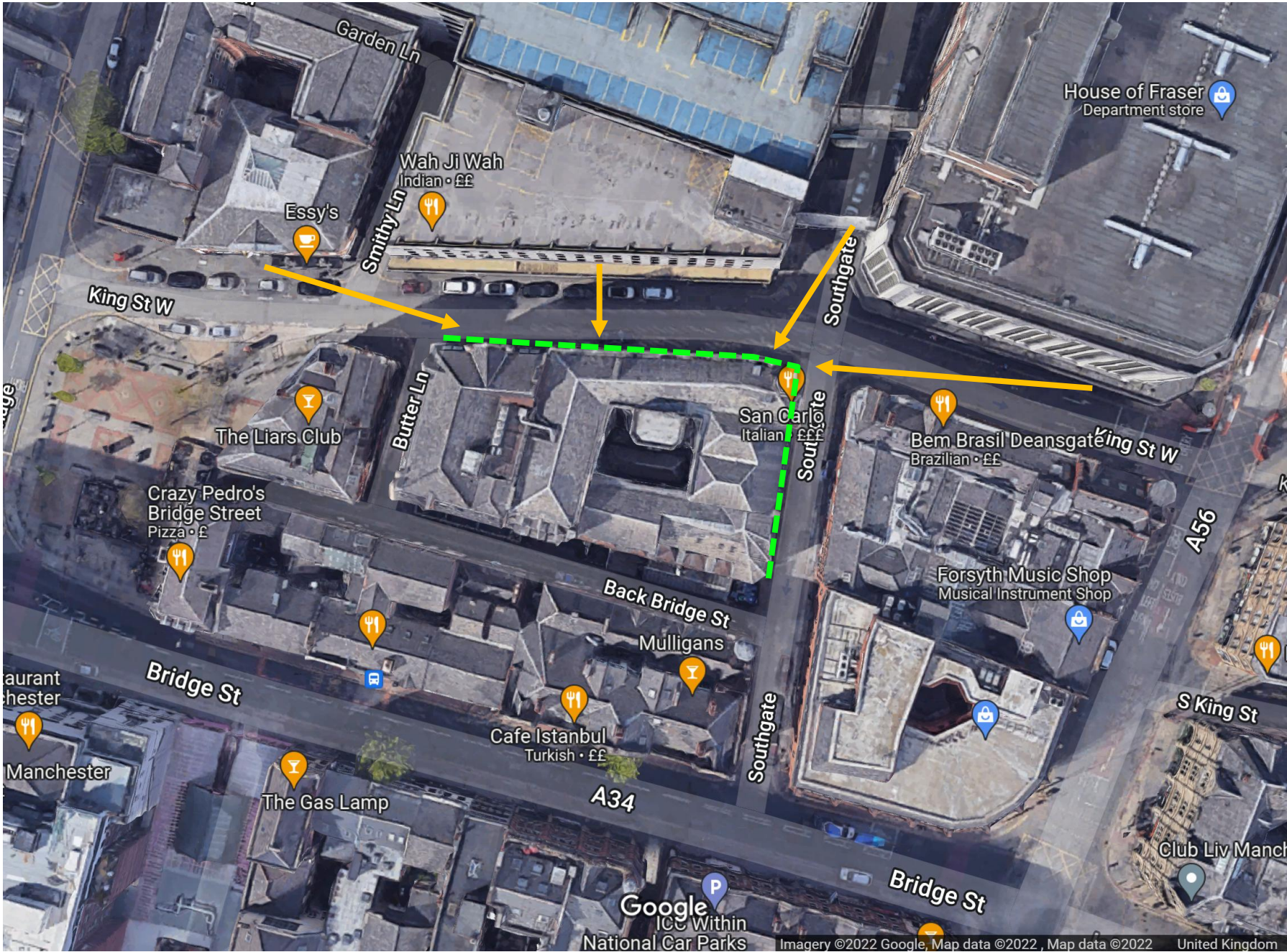
The external façade lighting extent has been focused on the King Street West and the Southgate elevations only, as these were considered as primary views of the building. Consideration was made to how the building would be perceived at night, from the Deansgate approach which assisted in the guidance of the external lighting design strategy across the main facades.

Conceptually the lighting design strategy is to sensitively illuminate the external window reveals across the key elevations highlighted. The selection of architectural products is key as we need to minimise direct view of the luminaires as well ensuring the glare and light spill is addressed also. To mitigate these issues, we selected and tested a range of products, reviewing luminaire size, visibility from ground level and output of light.

On the King Street West elevation 1no product type has been specified for the final external lighting solution. The product is a compact surface mounted architectural spotlight which has been specified with a cowl attachment and glare louvre minimise glare issues. which would be developed to minimise the visual impact on the existing façade.

On the Southgate elevation, the approach of illuminating the window reveals have been retained at high level, which wraps around the façade from the King Street West elevation. Direct / indirect wall mounted luminaires have been specified to illuminate the double height window arch reveals for the ground and first floor level. These have been selected with narrow beam optics and glare louvres focusing the light on the brick work elements of the arch reveals.

All specified lighting equipment shall be selected with dimmable lighting control gear, allowing for timed scene setting. The external lighting levels will be set at the commissioning stage, ensuring the lighting is evenly balanced across the façade provide uniform and subtle highlighting. The external lighting shall be automatically switched on via a remote photocell trigger. This shall energise the external lighting at dusk, and a time clock will automatically switch off the lighting at a predefined curfew time.



----- Key Elevations for Illumination





Sketch visual design intent

Subtle illumination to the window reveals of the Kings Street West and Southgate elevations. Illumination provided primarily by compact LED spotlights surface fixed to window reveal ledges minimising their direct view from ground level.

FINAL ASSESSMENT

External Lighting Review undertaken on 17.06.25

An external lighting review was undertaken on the evening of 17.06.25 to assess the general completion of the external lighting design.

This assessment was undertaken in conjunction with the Main Contractor (Amspec), the Electrical Installation Contractor (Imperial Engineering), and the client Brunwtod Scitech.

Having reviewed the external lighting design Artin Light can confirm the installations have been installed in a satisfactory manner and are aligned with the overall lighting design intent as submitted in planning.

Due to cost restrictions the original external lighting design products were replaced, however these were reviewed and approved in conjunction with the design and client team.

The installed luminaires, are like for like comparisons with the original intent, and retain minimal visual impact on the building as per the original design intent.

Due to installation and wiring requirements a slight change to the lighting specifications for the King St West elevation were made to the original X2 linear lighting which was originally designed by Artin. This effected a small group of luminaires to the West section of this elevation only. The luminaires were replaced with micro spotlights and installed as per the rest of the elevation provided a visual consistency and lighting spec across the full King St West elevation. The visual impact of the spotlights was deemed to be negligible in comparison to the original linear lighting solution. The luminaires have been carefully installed via the Electrical Contractor, and we are happy these have minimal impact on the overall aesthetic of the building verses the original design intent.

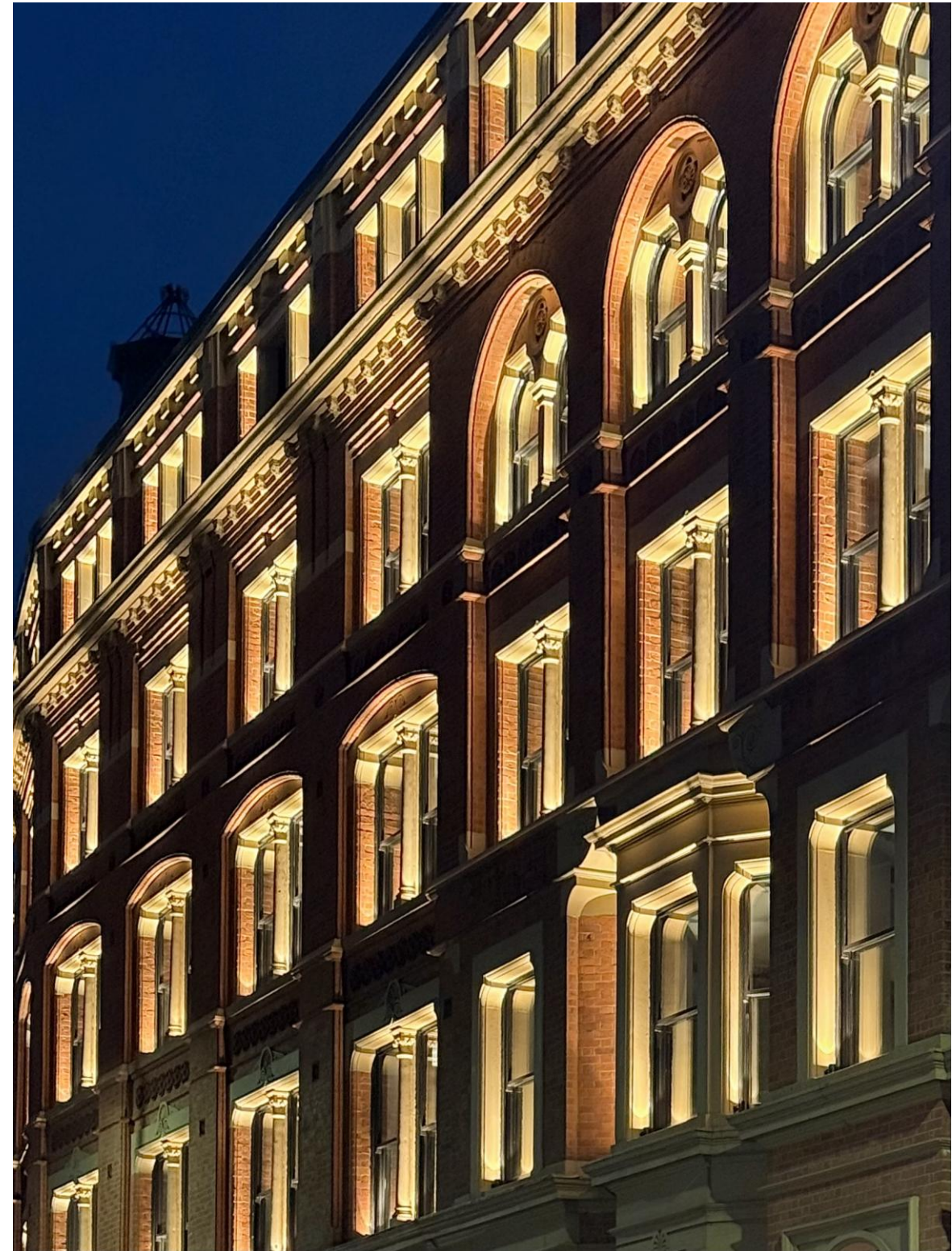
All external lighting has been installed with DALI control allowing for the full installation to be automatically controlled. The DALI system allows for both dimming and automatic switch on and off times. The system has been installed with a photocell sensor, which will automatically switch on the lighting at dusk. The system will also automatically turn off the lighting with via a timeclock which has been set with a curfew time. The proposed curfew switch off times have been indicated below for reference.

Monday – Thursday – Switch on at Dusk, Switch off at 11pm
Friday – Sunday – Switch on at Dusk, Switch off at 1am.

Artin.

Site photo from Lighting Review
undertaken on 17.06.256





Site photos from Lighting Review undertaken on 17.06.256

Artin.



Site photos from Lighting Review
undertaken on 17.06.256

Executive Summary

Having reviewed the external lighting design installations Artin Light can confirm they are happy with the current installations and alignment with the original design intent.

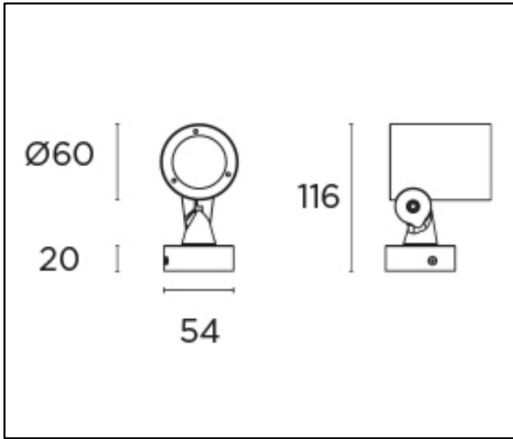
The Main Contractor and Electrical Contractor have executed the installation works in a quality manner whilst carefully considering the overall design intent and visual aesthetic of the building for both day and night.

The lighting control system allows the building to be adjusted as necessary in terms of overall lighting output, as well as allowing for automatic control. This ensures the external lighting design has the infrastructure to be adjusted if required in the future.



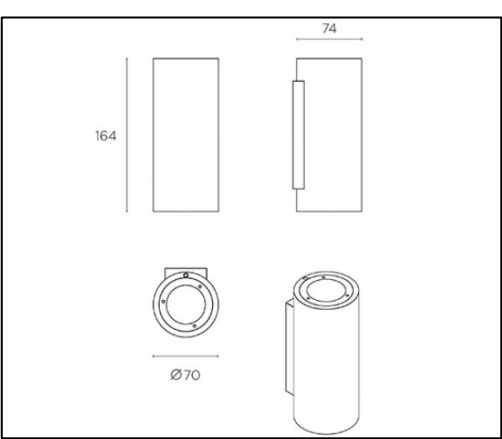
Specification of Final X1/X2 Luminaire

Manufacturer: Exenia
Product: Wolf Projector
Wattage: 7w
CCT: 2700K



Specification of Final X4 Luminaire

Manufacturer: Exenia
Product: Play Up&Down
Wattage: 2x5w
CCT: 2700K



© Artin Light Ltd All rights reserved. Content is issued confidentiality and should not be copied, printed or circulated to third parties without prior written consent from Artin Light Ltd

The information contained in this document is private and confidential. It is intended only for the use of the addressee's it is formerly issued to. If you are not the named addressee, in no event should you disclose the contents of this document to any other personnel copy, use, print, distribute or disseminate it or any information contained in it. Thank you for your co-operation. We cannot accept any liability for any loss or damage sustained as a result of software viruses. It is your responsibility to carry out such virus checking as is necessary before opening any attachment.

Contact - Luke Artingstall – Director - E: lukeart@artinlight.co.uk - T: +44 (0)7754056647