

Freetrade Exchange, Basement Refurbishment / Blacklock

External Lighting Statement - 26.07.23

1. Introduction

This statement has been produced in support of the planning submission for the proposed refurbishment of the existing Freetrade Basement Unit - 37 Peter Street, M2 5GB

2. Design Brief

Artificial lighting will be installed to provide the lighting levels required during the hours of darkness.
Light pollution will be avoided through the careful selection, positioning, and aiming of luminaires.
Lighting will be carefully positioned to enhance final exits from the building, pedestrian walkways and steps and hazards.

3. Design Standards

Designs will be to current BS/EN standards with CIBSE/SLL best practice guidance also taken into consideration.
The external lighting will not exceed 600 Cd/m² during daylight hours and 300 Cd/m² during darkness.

4. External Luminaire Types

Lighting will be provided to illuminate the façade, carefully positioned to enhance the visual interest and existing structure.
Wall mounted luminaires will be provided to illuminate the building entry and exit points.
Luminaires will include the necessary optics, shields and baffles required to control light distribution. Low output and dimmable LED lamps will be used.

5. External Lighting Control

The external lighting installation will be controlled by a time clock arrangement.
Time clock control will enable selected circuits to be switched off during the night.
A manual override switch will be provided to allow the lighting to be turned on / off.

6. Existing Lighting installation

The existing external building lighting is provided by wall mounted lights at low level directed to enhance the visual aspects of the façade.
The main entry and exit point is illuminated with wall mounted light fittings adjacent to doorway.
The external lighting is currently wired in black external grade cabling mounted surface to the façade using cleats drilled and screwed into the stonework; routed along the masonry. Various joint boxes have been positioned to connect the external lighting to multiple points around the façade.

7. Proposed Lighting Installation

During the refurbishment, the existing external wall lights will be replaced.
A new wiring strategy will be adopted if possible, to reduce the impact of the external cabling and mounting of fittings to the existing building.
Low output and dimmable LED lamps will be used.



External Wall Mounted Wall Light