LIGHT PERCEPTIONS

Lighting Consultancy and Project Management for Historic Buildings

8 – 10 Southampton Row : External Lighting : Preliminary (RIBA2) Lighting Assessment

INTRODUCTION

The proposed lighting for 8-10 Southampton Row is designed as a surface mounted uplighting / downlighting scheme using low power, high quality LED light sources that will highlight the classical Southampton Row façade of the building, subtly emphasising and supporting the architectural heritage including the reproduction of the historic signage to the two leading corners. As the orientation of luminaires will be primarily vertical there should be no lateral interference to nearby buildings or highways and minimal light pollution. All light sources will operate in the spectrum of 3000K – 5000K.

HOURS OF OPERATION

- It is expected that the hours of illumination will be from dusk until midnight although the lighting will be controlled by a programmable dimming system which will enable the lighting to subtly change through the latter part of the evening so that the later hours are more muted. It is expected that there will be a slow decrease in illumination levels from 23.00 to midnight.

LIGHT SPILLAGE

- There will be no remote floodlighting. All luminaires are to be installed immediately to or very near to the building façade(s) and will be aimed in a near vertical plane to “graze” the building meaning that there will be minimal overspill of light and no spillage onto adjacent or nearby buildings.

LIGHT LEVELS

- Illumination levels will be very low as the luminaires are to be installed immediately to or very near to the building façade(s). Illumination [LUX] levels will be modelled and calculated at RIBA 3 stage.

COLUMN HEIGHTS

- There are no lamp columns.

LAYOUT PLAN WITH BEAM ORIENTATION AND LIGHT MAPS

- As the luminaires will be installed immediately to or very near to the building façade(s) there will be plan drawing and all luminaires will be shown on detailed elevation drawings at RIBA 3 stage.
- Beam orientations will be near vertical to create the grazing effect described above.
- Illumination levels will be calculated at RIBA 3 stage

EQUIPMENT DESIGN

- Luminaires will be fully specified, and datasheets provided at RIBA 3 stage

IMPACT ON NEARBY DWELLINGS OR ROADS AND USE OF PLANTING TO MITIGATE EFFECT.

- As the focus of all luminaires will be near vertical there will be no direct light falling on nearby buildings or roads. Illumination levels will be minimal and therefore reflection interference is not anticipated.
- There is no strategy for planting as mitigation of effect is not expected to be necessary.

End.