



Lighting Control Intent

Project: Island Sites – Building 03,
Tottenham Hale
London, UK
Project Number: 11163C
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Lighting Control Intent – Public Realm

**Island Sites – Building 03, Tottenham Hale
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1.0 Introduction

This document is a preliminary statement of the lighting control concept and requirements for a lighting control system for the public realm areas around Building 03 at Tottenham Hale Island Sites.

1.1 Scope

The following areas/elements are within Speirs + Major's design scope and are covered by this Lighting Control Intent:

- Public Realm around Building 03

The following areas/elements are excluded from the scope of this document:

- Typical Apartments
- Building 01 Areas
- Building 02 Areas
- Ferry Square & Ferry Way

1.2 References

- Preliminary Logical Control Channel Schedule
TH-IS-01-001-J-11163C-63-823
- Preliminary Lighting Equipment Schedule
TH-IS-01-001-J-11163C-63-813
- Drawings
TH-IS-03-001-J-11163C-63-100

2.0 System Approach

A lighting control system based on the scene-setting principle is required for this project. A lighting scene consists of a pre-programmed set of intensities (and other parameters if relevant) for all lights within a given area. Scenes are automatically recalled as required by a number of inputs and criteria, which may include time, light sensing, presence sensing, button panels and other user interfaces, and interfaces with other control systems.

3.0 Areas

Preliminary functional requirements for each are identified in the following section.

Lighting Control Intent – Public Realm

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3.1 Public Realm around Building 03

3.1.1 Lighting Control Concept

The building-mounted lighting throughout the development will be turned on at dusk and will remain on until dawn (both according to a light sensor). Other landscape lighting will turn on at dusk, but will be turned off at an agreed curfew time, eg. 1am.

3.1.2 Summary of Control Requirements

Scene setting	No
Dynamic sequences	No
Automatic scene selection according to absolute time and/or date	Yes
Automatic scene selection according to astronomical time	Yes
Automatic scene selection according to external daylight level	Yes
Automatic circadian colour-temperature change	No
Presence/absence sensing	No
Daylight linking (constant minimum illuminance)	No
Partition functions	No
Scenes	Dusk
	Post-curfew
	Off
Manual raise/lower function required	No
User Interface	Touchscreen, located in Facilities Management/Security office