



Network Space

Alchemy Way, Knowsley

External Lighting Statement

07/03/2023

Introduction

This statement has been prepared to by Hannan Associates on behalf of Network Space to support the full application for employment development comprising two units (use class e (g) (ii) (iii) / b2 / b8 use) with ancillary e (g) (i) office space, car parking and vehicular, pedestrian circulation with access onto alchemy way.

Design Overview

The external lighting installation will be designed in accordance with the relevant technical standards including Building Regulations, British Standards, CIBSE Guidance and ILP Guidance.

Illumination Levels

The external lighting installation will achieve the recommended minimum average maintained illumination levels for the varying visual tasks including pedestrian movement, vehicle movement, goods handling, safety, and security.

Obtrusive Light

The external lighting installation will be designed in accordance with the 'ILP Guidance notes for the reduction of obtrusive light' and criteria stated for the selected environmental zone classification.

Luminaire Types

High efficiency LED light sources will be provided throughout. Luminaires will be selected to meet the specified lighting performance criteria and include suitable optics to control light distribution and limit light spill. Luminaires will be building and / or column mounted.

Lighting Control

A lighting control system will be installed to automatically switch off the lighting when it is not required. Lighting will be zoned to enable different control groups to be created as required.

Operational Energy

The combination of high efficiency LED light sources and automatic lighting controls will reduce overall operational energy consumption and greenhouse gas emissions.

Ecology Impact

The external lighting design will address the advice given in the Ecology Consultants report.