

Service:	Mechanical & Electrical Services	Date:	19 th April 2023
Subject:	External Lighting Design Statement	Issue No.:	01
Project:	Haven Allhallows	Status:	Planning

1.0 Introduction

This report provides information on the external lighting strategy for the new splashpad extension, pool plantroom extension and existing outdoor pool on the existing Haven Allhallows Holiday Park site.

Primarily the external lighting scheme is designed to illuminate the newly formed deck and service yard and to provide security lighting to the building perimeter.

2.0 Lighting Requirements

The external lighting will be designed in accordance with CIBSE SLL Code for Lighting, CIBSE SLL Lighting Guide LG6; Outdoor Environment and BS EN 12464-2: 2014.

Due consideration will be given with regards to upward light components and the beam angle of the proposed luminaires. The external lighting scheme will be designed in line with the recommendations of the Institute of Lighting Professionals (ILP) Guidance notes for the Reduction of Obtrusive Light GN01: 2021 and also the SLL Guide to Limiting Obtrusive Light.

Environmental Lighting Zone - the classification proposed is E3 for suburban areas with a medium district brightness. This is due to the proposed lighting installations proximity within the wider Allhallows Holiday Park site and its location within the main central complex.

3.0 Proposed Lighting Design

The proposed lighting installation is to be provided via a mixture of building mounted luminaires, low-level bollards and street lighting.

The existing lighting to the outdoor pool area consists of festoon lighting and will be retained.

The decorative element of the external lighting scheme will be developed in further detail with the architect at the next stage of the project.

All luminaires in this proposal will utilise highly efficient LED light engines to minimise energy consumption and be selected to maintain colour stability.

The external lighting design will consider the lighting levels required to allow any CCTV security system to operate effectively.

4.0 Control Strategy

The external lighting scheme will be controlled via a solar time clock and photocell arrangement. The time clock is to be complete with on/off/auto functions to allow additional manual control.