



Ardee Public Lighting Scheme – Main Street Outdoor Lighting Report

Design Approach

The external artificial lighting design within the redline area will generally be provide on 8m poles along Main Street with 4m poles provided for the lights in wooded area at the bridge. In certain locations where footpaths are quite wide, a second piggy-back light will be mounted at 6m on the same pole to light the path behind.

In regard to the maintaining of the lights, all the street and urban area light fittings are from Philips/Signify and are readily available. Lights are to be mounted on pole top mounted right angle arms/brackets. Poles to be hexagonal or round galvanised steel.

It is proposed to utilise the existing mini-pillars within the redline area for power provision to the new proposed lighting if possible. Existing ESB connection boxes are indicated on the existing services drawings provided. The consideration of existing light positions and strip-out works involved in the new lighting scheme installation has not been included as part of this submission.

The lighting scheme has been designed to following:

Roads // BS 5489-1:2020, C3 (town/village centre/main road Grids1/2/3/4) 10 lux average, 40% uniformity

Footpaths // BS 5489-1:2020, P2 (Grid 5 Hale Street, Bridge & woods) 5 lux average, 1 lux minimum.

Ecology Considerations

The lighting design takes into account the RSK Preliminary Ecological Appraisal Report.

It was highlighted by the ecologist, the importance of reducing the lighting levels around the area of the river due to the presence of bats in the area and to avoid light spill onto the river where possible. Wide beam lights have been used throughout the main street scheme with exception to the bridge where narrow beam lights in addition to louvres within the light fittings will be used to direct the light away from the water and to avoid light spill on the water.

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