ARUN DISTRICT COUNCIL Y7521/DOC

LiAS Design Notes

This preliminary design is produced by the Lighting Application Specialist (LiAS) team of Signify UK based on information supplied by the Customer for the purpose of identifying suitable products and costing the proposal. This design cannot be used for Construction, as this design does not purport to eliminate health and safety risks as a CDM Regulation risk assessment has not been undertaken.

Depending on the level of information received, a number of assumptions may have been applied in order to create an indicative lighting proposal and costing model, according to lighting industry guidelines and incorporating industry best practice methods. These assumptions are documented below and will require confirmation by the Principle Designer (which is not Signify UK) during the detailed design phase.

Project Specific Assumptions

- Where 'Lighting Classes' have not been provided/specified, the calculations have been produced using lighting class P4 SP Ratio 1.30 for the main roads and P5 SP Ratio 1.30 for the private areas. As per BS5489:2103
- Where column heights have not been provided/specified, these have been assumed to be 5m.
- It has been assumed that luminaires will be mounted post-top.

Generic Assumptions (unless specifically informed differently)

- Preliminary Design proposals produced by the Signify LiAS Team are not to be used for installation purposes. It is the responsibility of the Principle Designer and/or Principle Contractor to ensure all Installation and Maintenance can be done in a safe manner, carried out by competent persons, based on their agreed Risk Assessments and Method Statements.
- The Luminaire Maintenance Factors have been based on 6-year cleaning intervals within an E3/E4 Environmental Zone and it is assumed that lamp/luminaire failures will be replaced on a 'spot replacement'.
- Energy consumptions have been based on the luminaire/s having Constant Light Output (CLO) enabled and the quoted wattage/s are the average over 100,000 hours (without dimming).
- The design calculations produced by Signify do not account for the effect obstructions, such as trees, will cause.
- Signify has not been provided with utility plans showing Buried, Above Ground or Overhead utilities. Therefore, all column/luminaire locations are indicative and are subject to review/verification by the Principle Designer.
- Unless stated otherwise, Signify has not visited site. Therefore, all column/luminaire locations are indicative and are subject to an onsite verification arranged/performed by the Principle Designer.
- Signify has not produced any Private Cable Network electrical calculations or reviewed the DNO network to confirm power supplies to the proposed lighting.
- Signify has not performed any asset condition testing and therefore assumes that any existing lighting columns/wall mounted brackets are structurally capable of supporting the weight & windage of the proposed luminaire/s. This must be verified by the Principle Designer before installation works commence.
- Unless stated otherwise, Signify is not supplying the new lighting columns (including brackets etc) and therefore it is the responsibility of the Principle Designers to confirm that all proposed equipment is suitable for the intended locations (e.g. raise & lower, ground condition, foundation type, saline environment, etc).
- Unless stated otherwise, luminaires will be supplied in their standard colour.

Luminaire Schedule

Luminaire Data
Luminaire A Luma Gen2 BGP702 20 LED DW50 3KLM WW
Luminaire B Luma Gen2 BGP702 6 LED DW50 1KLM WW
MF 0.76

Key

- Luminaire A Column x 20 = 5m Height
- Luminaire B Column x 23 = 5m Height
- Beam Aiming Target
- Photometric Centre

All Dimensions in metres

Philips Lighting Contacts

Jarek Nowatkowski, Key Account Manager - 07827 835696
Jarek.Nowatkowski@signify.com

Lighting Proposal Terms and Conditions of Use

These terms apply to the use of this preliminary proposal produced by Signify UK. This "**Proposal**" is understood to mean this document, a CAD drawing, lighting calculations, written documents, verbal conversations or any medium used to demonstrate or communicate the proposed lighting scheme using products from Signify's brands. A "**Customer**" is the person or organisation for whom the Proposal is intended. The "**CDM Regulations**" means The Construction, Design and Management Regulations 2015, the Safety, Health & Welfare at Work Act 2005, The Construction (Design & Management) Regulations (Northern Ireland) 2015.

This Proposal is for guidance only and cannot be relied upon for purposes of installation or Health and Safety.

The supply and installation of this lighting scheme are subject to a contract being agreed between Customer and Signify.

PROPOSAL
(NOT FOR CONSTRUCTION)

Rev	DSR no.	Comment	Date	LiAS	KAM
0	D-366490	INITIAL PROPOSAL	18/08/20	CP	JN
1	D-367435	NEW LAYOUT	24/08/20	CP	JN
2	D-396595	NEW LAYOUT, BAT MITIGATION	11/03/21	CP	JN
3	D-398314	NEW LAYOUT, COLUMN RELOCATIONS	22/03/21	CP	JN
4	D-408507	COLUMN RELOCATIONS	19/05/21	CP	JN
5	D-409011	COLUMN RELOCATIONS	21/05/21	CP	JN
6	D-409430	COLUMN RELOCATIONS	25/05/21	CP	JN

Project Number
0244064636

Scale & Sheet Size
NTS @ A3

Sheet No
DWG 00

Project Name
LAND AT STAKERS FARM, YAPTON

Drawing Name
LiAS DESIGN NOTES & LUMINAIRE SCHEDULE