## LiAA 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

## roject Specific Assumptions

- Where 'Lighting Classes' have not been provided/specified, the calculations have been produced using Lidl Specification lighting classes.
Where column heights have not been provided/specified, these have been assumed to be 6 m .
- Where wall mounting heights have not been provided/specified, these have been assumed to be 3.25 m
- It has been assumed that luminaires will be wall mounted, post-top or on 0.5 m outreach brackets.


## 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

## LL-E

$\longrightarrow \quad 1$ lamp(s) per luminaire, 2300 initial lumens per lamp Maintenance Factor $=0.800$, watts per luminaire $=17$ Outreach (from mounting axis to photometric center) $=0 \mathrm{~mm}$ tilt angle $=5 \mathrm{deg}$
mounting height= 3.25 m
number locations $=25$, number luminaires $=25$

Single LL-C BL2
1 lamp(s) per luminaire, 7500 initial lumens per lamp Maintenance Factor $=0.760$, watts per luminaire $=0$ Outreach (from mounting axis to photometric center) $=400 \mathrm{~mm}$ tilt angle= 5 deg
mounting height $=6 \mathrm{~m}$
number locations $=3$, number luminaires $=3$
$\ldots$ Twin LL-C
1 lamp(s) per luminaire, 7500 initial lumens per lamp Maintenance Factor $=0.760$, watts per luminaire $=0$
Outreach (from mounting axis to photometric center) $=900 \mathrm{~mm}$ tilt angle= 5 deg
mounting height $=6 \mathrm{~m}$
number locations=3, number luminaires= 6

- Single LL-C 1 lamp(s) per luminaire, 7500 initial lumens per lamp
Maintenance Factor $=0.760$, watts per luminaire $=0$
Outreach (from mounting axis to photometric center) $=400 \mathrm{~mm}$
ilt angle= 5 deg
number locations= 2 , number luminaires=2


## Philips Lighting Contacts

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Singe l-CBL2

 maunting heiont= 6 m
number coadion $=3$,

- Twin L-G


- Singe Lu-c




1) Unless agreed otherwise, the lighting proposal produced by the Lighting Application Specialist (LiAS) team of Philips Liehting UK\&l is not intended for construction pruposes, as it deos not take into
safety risk at this stage. For further details please refer to sheet number $0 W G$ on
) Do not scale for this drawing

| Rev | DSR no. | Comment |
| :--- | :--- | :--- |
| 0 | D-395941 | Initial proposal |

PROPOSAL

| Date | LiAS | KAM | Project Number |
| :---: | :---: | :---: | :---: | $\begin{array}{cc}\text { Date } & \text { LAS } \\ \text { 2/03/21 } & \text { KAM } \\ \text { MD } & \text { RF }\end{array}$ $\square$ 0400587685

Scale \& Sheet Size
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