

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

- The Car park is lit to 10 - 15lux average 0.25Uo.
- A column height of 6m is utilised in the Car Park with the lanterns twin or single mounted on a 0.5m bracket outreach.
- Luminares around the building perimeter and loading bay are mounted at 3.25m with either a 5 or 10 degree tilt.

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.

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.

Luminaire Schedule



A

(Lantern Ref: LL-C)
Mounted at 6m with 0.5m bracket
candela file 'LumiStreet.lgt'
1 lamp(s) per luminaire, 7600 initial lumens per lamp
Maintenance Factor = 0.760, watts per luminaire = 47
Outreach (from mounting axis to photometric center)= 900 mm
tilt angle= 5 deg
mounting height= 8 m
number locations= 4, number luminaires= 4
kw all locations= 0.2



B

(Lantern Ref: LL-C)
Twin Mounted at 6m with 0.5m bracket
2 luminaires per location, candela file 'LumiStreet.lgt'
1 lamp(s) per luminaire, 7600 initial lumens per lamp
Maintenance Factor = 0.760, watts per luminaire = 47
Outreach (from mounting axis to photometric center)= 900 mm
tilt angle= 5 deg
mounting height= 6 m
number locations= 7, number luminaires= 14
kw all locations= 0.7



C

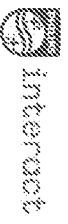
(Luminaire Ref: LL-E)
with Lidl adjustable bracket
Luminaire mounted at 3.25m
With 5 degree tilt
candela file 'WT470C L1300'
1 lamp(s) per luminaire, 2300 initial lumens per lamp
Maintenance Factor = 0.760, watts per luminaire = 16
Outreach (from mounting axis to photometric center)= 0 mm
tilt angle= 5 deg
mounting height= 3.25 m
number locations= 2, number luminaires= 2
kw all locations= 0.0



CE

(Luminaire Ref: LL-E-EM-EL3)
With Lidl adjustable bracket
Luminaire mounted at 3.25m
With 10 degree tilt
candela file 'WT470C L1300 EL3'
1 lamp(s) per luminaire, 2300 initial lumens per lamp
Maintenance Factor = 0.760, watts per luminaire = 16
Outreach (from mounting axis to photometric center)= 0 mm
tilt angle= 10 deg
mounting height= 3.25 m
number locations= 20, number luminaires= 20
kw all locations= 0.3

Rev	DSR no.	Comment	Date	LAS	KAM	Project Number
0	D-317440	INITIAL PROPOSAL	22.08.19	CSL	RF	0400369828
						Scale & Sheet Size
						NTS @ A3
						Sheet No.
						DWG 00



Project Name

Lidl Bognor Regis

Drawing Name

LIAS DESIGN NOTES & LUMINAIRE SCHEDULE

Notes:

1) Unless agreed otherwise, the lighting proposal produced by the Lighting Application Specialist (LAS) team of Signify UK&I is not intended for construction purposes, as it does not take into account the elimination of health and safety risks at this stage. For further details please refer to sheet number DWG 00

2) Do not scale for this drawing

Rev

DSR no.

Comment

Date

LAS

KAM

Project Number

0400369828

Scale & Sheet Size

1:500 @ A2

Sheet No

DWG 01

0

D-317240

INITIAL PROPOSAL

23.08.19

CBJ

RF

Project Name

Lidl Bognor Regis

Drawing Name

PROPOSED LIGHTING LAYOUT

PROPOSAL

(NOT FOR CONSTRUCTION)