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 X.
- Where column heights have not been provided/specified, these have been assumed to be Xm.
- It has been assumed that luminaires will be mounted post-top [on Xm 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.

Proposed Luminaires

LumiStreet Lantern
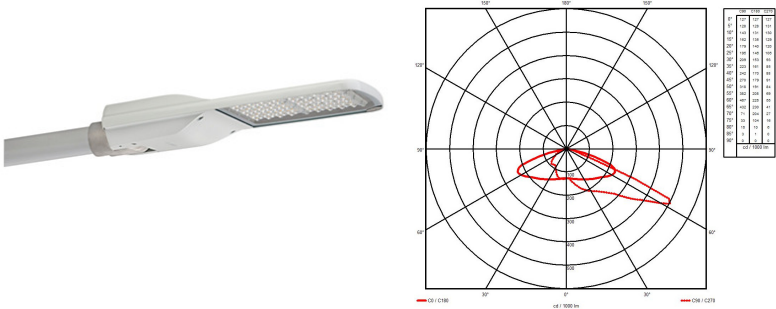
Pacific Wall Light

LuxSpace Canopy Downlighter

PROPOSAL
(NOT FOR CONSTRUCTION)

Luminaire Schedule

Luminaire Schedule

Symbol	Qtys Lanterns	Luminaire Type	Lumens
	4	**2 X Philips LumiStreet LED Luminaires and 1 x 6 m Column with 0.5m bracket.** Luminaire BGP213 LED75-4S/740 I DX10 7024 D9 48/60. (Lantern Ref: LL-C) 12NC: 910770202407	7500
	10	**1 X Philips LumiStreet LED Luminaire and 1 x 6 m Column with 0.5m bracket.** Luminaire BGP213 LED75-4S/740 I DX10 7024 D9 48/60. (Lantern Ref: LL-C) 12NC: 910770202407	7500
LL-E	4	**1 X Philips Pacific 1300mm LED Luminaire** Luminaire WT460C LED23S/840 PSU WB TC L1300. Luminaire mounted at 3.1m. (Luminaire Ref: LL-E) with LiDL adjustable bracket. 12NC: 910925335658	2600
LL-E EM-EL3	20	**1 X Philips Pacific 1300mm LED Luminaire** Luminaire WT460C EL3-LED23S/840 PSU WB TC L1300.Luminaire mounted at 3.1m. (Luminaire Ref: LL-E EM-EL3) with LiDL adjustable bracket. 12NC: 919913997331	360
LL-CANOPY	12	**1xPhilips LuxSpace Recessed Downlighter** DN570B LED20S/840 PSE-E C PG GR IP54 front IP40 back. (Luminaire Ref: LL-CANOPY) 12NC: 822276497916	2260
LL-CANOPY EM-EL3	1	**1xPhilips LuxSpace Recessed Downlighter** DN570B EL3-LED20S/840 PSE-E C PG GR IP54 front IP40 back. (Luminaire Ref: LL-CANOPY EM-EL3)	
	7	**Columns with backplates installed**	

Calculation Summary base on maintenance factor of 0.79

Label	Units	Avg	Min	Max	Min/Avg	Height	Grid Points	UWLR
Main Carpark	Lux	14.2	4.6	46.6	0.33	0m	1.5m	0.01

Isolines summary

Colour	Lux Level
	0.1Lx
	0.5Lx
	1Lx
	2Lx

Philips Lighting Contacts

Jake Watson, Key Account Manager - 07789 398626

Rev	DSR no.	Comment	Date	LiAS	KAM
0	D-239414	INITIAL PROPOSAL	27/04/18	HSR / AGG	JW
1	D-274185	New Drawing	19/12/18	HSR / AGG	JW
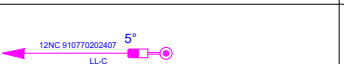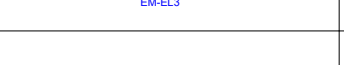
Project Number
O-2173433

Scale & Sheet Size
NTS @ A3

Sheet No
DWG 00

Project Name
LiDL Ross-on-Wye Carpark
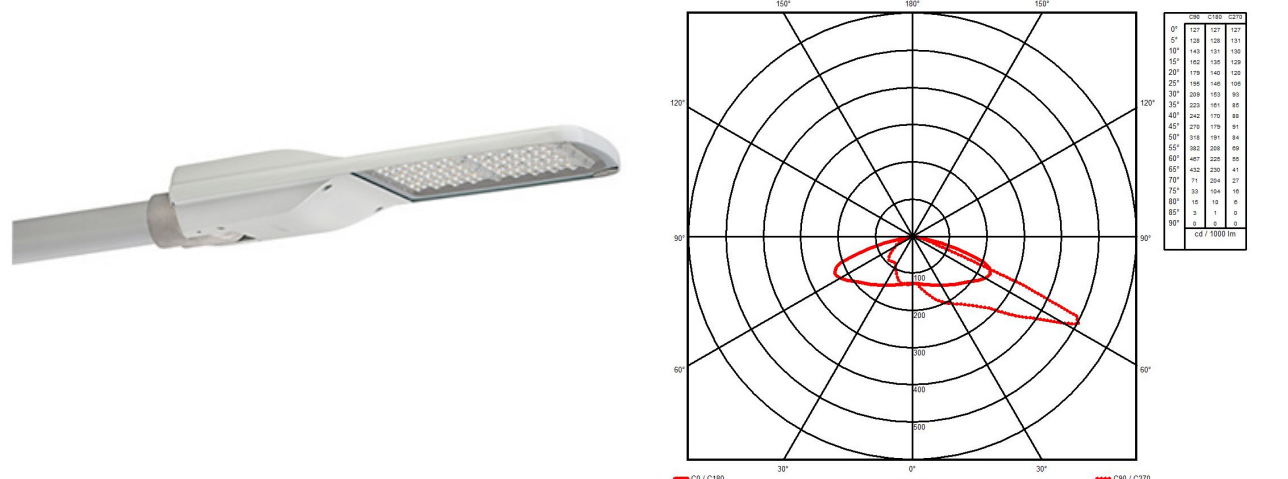
Drawing Name
LiAS DESIGN NOTES & LUMINAIRE SCHEDULE

Pedestrian build-out to reduce crossing width

Ashburton House

11 to 18

Pedestrian Refuge within existing hatched area

Maple (Box Elder)

T7 Norway Maple

Hildersley Lodge

T8 TPO Lime

T9 Beech

Footway widening

Lidl Totem

Kerbline radius increased to 9m

Grosvenor House

Yew Tree Cottage

WOODED AREA

The Coach House

ALTON ROAD

Lobby 22 m²

Signage

NOTE - Facade luminaires tilted by 5°

Linear luminaires required to provide overall uniformity.

NOTE - Assumed Spill light contribution from internal shop front incorporated within external car park lighting levels.

NOTE - Facade luminaires tilted by 25°

Utilities 16 m²

Cycle Stands (30)

NOTE - Facade luminaires tilted by 5°

Cash Room 10 m²

Plant Area

Sub Station

Close boarding fence 1.8 m.   Close boarding fence 1.8 m.   Close boarding fence 1.8 m.

Unit 1   Unit 2

38.800   39.130

Unit 9   Unit 10   Unit 11

39.165   40.105

2   1

0.5   0.1

Hildersley House

40.200

Unit 12

OUTLINE APPLICATION SITE AREA
for illustrative purposes only

N

Signify

PHILIPS   interact   MODULAR   LUCE PLAN   ILTI

PROPOSAL
(NOT FOR CONSTRUCTION)

Notes:

1) Unless agreed otherwise, the lighting proposal produced by the Lighting Application Specialist (LiAS) team of Philips Lighting 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