

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 Principal Designer (which is not Signify UK) during the detailed design phase.

Project Specific Design Comments:

- The lighting calculations have been produced using Lidl Specification lighting classes.
- Where column heights have not been provided/specified, these have been assumed to be 6m. Where wall/ceiling mounting heights have not been provided/specified, these have been assumed to be 3.25m/4.1m.
- It has been assumed that luminaires on columns will be mounted post-top or on 0.5m outreach brackets, canopy luminaires will be ceiling mounted and LL-E/LL-E EM luminaires will be wall mounted.
- LL-E EM luminaires should be a maximum of 7m from the centre of one luminaire to the centre of the next.
- Signify has not undertaken any emergency lighting calculations. Luminaires marked as emergency fittings are for indicative purposes only. It is the responsibility of the Principal Designer to ensure emergency lighting calculations are performed and that all emergency evacuation routes are lit to a suitable standard.
- Preliminary Design proposals produced by the Signify LiAS Team are not to be used for installation purposes. It is the responsibility of the Principal Designer and/or Principal 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 Principal 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 Principal 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 Principal 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 Principal 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-Canopy

LL-Canopy

Qty - 17

Mounting Height - 4.1m

Tilt - 0 Degrees

Carpark

HORIZONTAL LUX

Average	15.3
Maximum	79.0
Minimum	4.90
Min/Avg(Uo)	0.32
Min/Max	0.06



LL-Canopy EM

LL-Canopy EM

Qty - 1

Mounting Height - 4.1m

Tilt - 0 Degrees

Canopy

HORIZONTAL LUX

Average	107
Maximum	127
Minimum	73
Min/Avg(Uo)	0.69
Min/Max	0.58

LL-E

tilt = See Symbol



LL-E

Qty - 7

Mounting Height - 3.25m

Tilt - See Symbol

Rear Walkway

HORIZONTAL LUX

Average	93
Maximum	125
Minimum	50
Min/Avg(Uo)	0.53
Min/Max	0.40

LL-E EM

tilt = See Symbol



LL-E EM

Qty - 19

Mounting Height - 3.25m

Tilt - See Symbol

Delivery Lane

HORIZONTAL LUX

Average	125
Maximum	156
Minimum	82
Min/Avg(Uo)	0.66
Min/Max	0.53

LL-A

5 degree tilt



Single LL-A

Columns Qty - 10

Lanterns Qty - 10

Mounting Height - 6m

Tilt - 5 Degrees

LL-A

5 degree tilt



Twin LL-A

Columns Qty - 6

Lanterns Qty - 12

Mounting Height - 6m

Tilt - 5 Degrees

Plant Area Walkway

HORIZONTAL LUX

Average	161
Maximum	196
Minimum	113
Min/Avg(Uo)	0.70
Min/Max	0.58

Lighting Proposal Terms and Conditions of Use

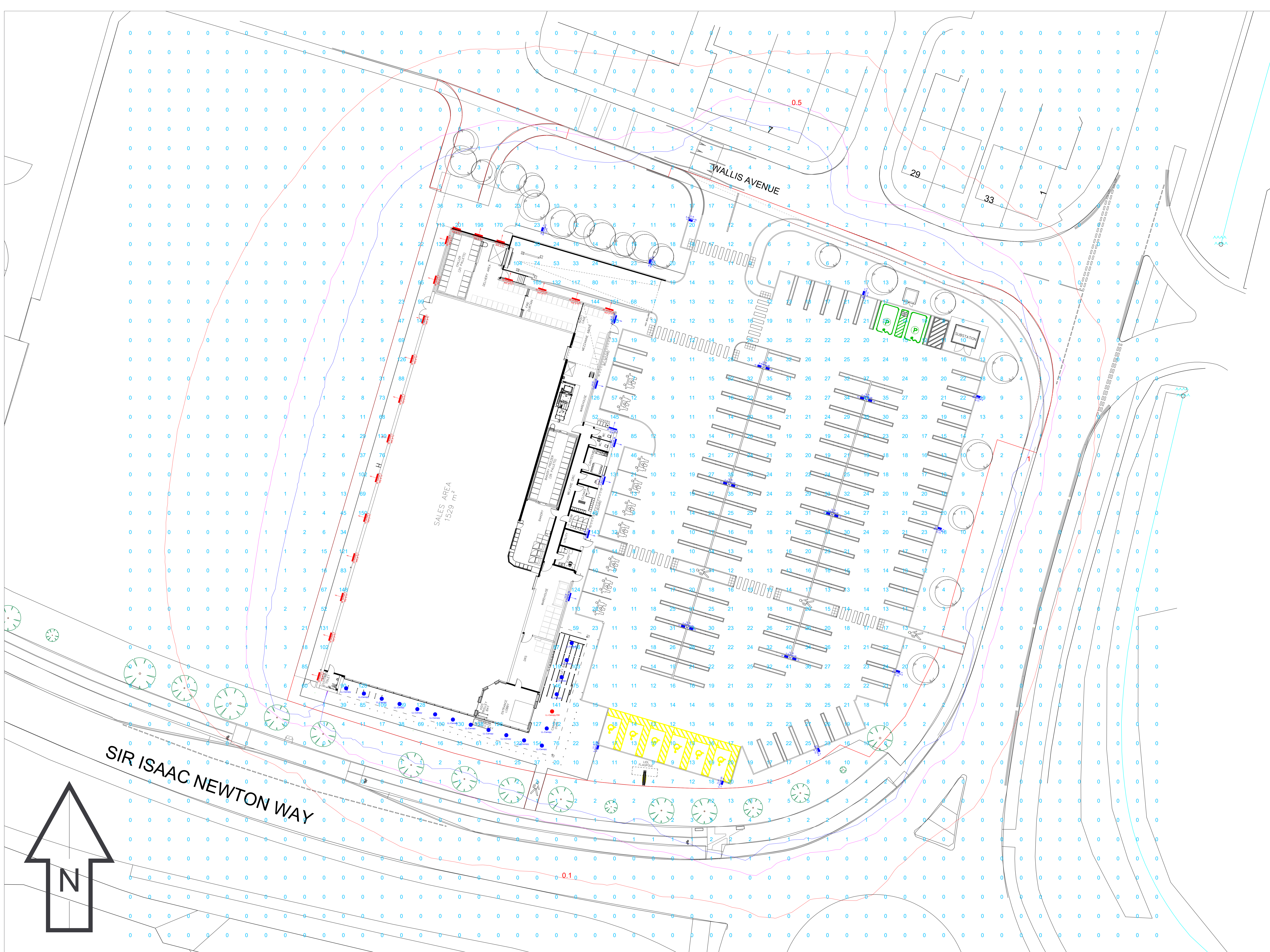
These terms apply to the use of this preliminary proposal produced by Signify UK. This “**Proposal**” is understood to mean this document, a CAD drawing, lighting calculations, written documents, verbal conversations or any medium used to demonstrate or communicate the proposed lighting scheme using 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	Project Number	Project Name
0	6965240	Initial proposal.	29/05/26	HSR	RF	502521529	LiDL Wallis Avenue, Rochdale
						Scale & Sheet Size	Drawing Name
						NTS @ A3	LiAS DESIGN NOTES & LUMINAIRE SCHEDULE
						Sheet No	
						DWG 00	



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

PROPOSAL
(NOT FOR CONSTRUCTION)

Rev	DSR no.	Comment	Date	LIAS	KAM
0	6965240	Initial proposal.	29/05/26	HSR	RF

Project Number	502521529
Scale & Sheet Size	1:200 @ A0
Sheet No	DWG 01

- LL-Canopy

Qty - 17
Mounting Height - 4.1m
Tilt - 0 Degrees
- LL-Canopy EM

Qty - 1
Mounting Height - 4.1m
Tilt - 0 Degrees
- LL-E
tilt = See Symbol

LL-E

Qty - 7
Mounting Height - 3.25m
Tilt - See Symbol
- LL-E EM
tilt = See Symbol

LL-E EM

Qty - 19
Mounting Height - 3.25m
Tilt - See Symbol
- LL-A
5 degree tilt

LL-A

Columns Qty - 10
Lanterns Qty - 10
Mounting Height - 6m
Tilt - 5 Degrees
- LL-A
5 degree tilt

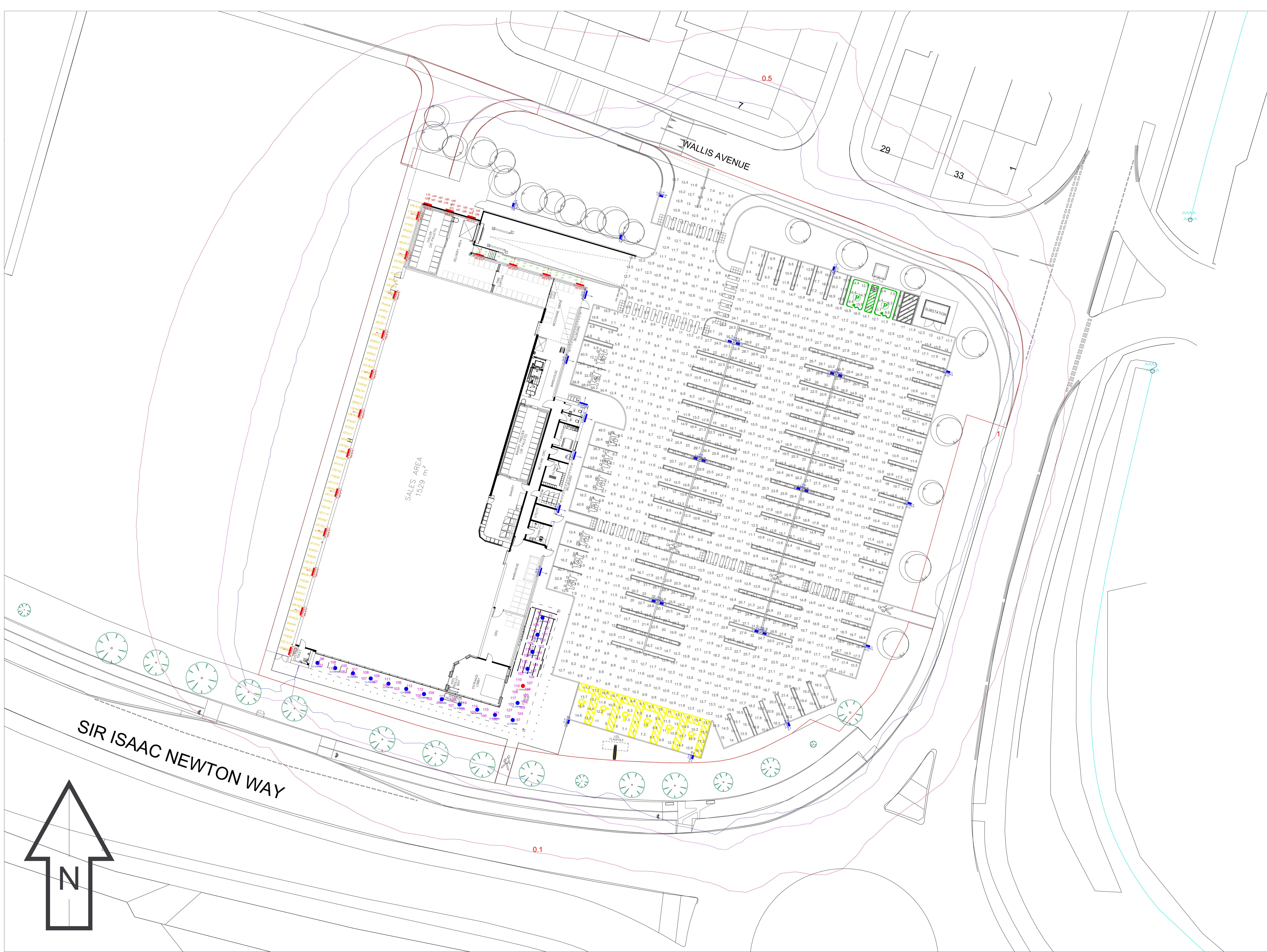
LL-A

Columns Qty - 6
Lanterns Qty - 12
Mounting Height - 6m
Tilt - 5 Degrees

Carpark HORIZONTAL LUX Average 15.3 Maximum 79.0 Minimum 4.90 Min/Avg(Uo) 0.32 Min/Max 0.06	Canopy HORIZONTAL LUX Average 107 Maximum 127 Minimum 73 Min/Avg(Uo) 0.69 Min/Max 0.58
Rear Walkway HORIZONTAL LUX Average 93 Maximum 125 Minimum 50 Min/Avg(Uo) 0.53 Min/Max 0.40	Delivery Lane HORIZONTAL LUX Average 125 Maximum 156 Minimum 82 Min/Avg(Uo) 0.66 Min/Max 0.53
Plant Area Walkway HORIZONTAL LUX Average 161 Maximum 196 Minimum 113 Min/Avg(Uo) 0.70 Min/Max 0.58	

Project Name
**LiDL Wallis Avenue,
Rochdale**

Drawing Name
Spill Light @ 0m



LL-Canopy

Qty - 17

Mounting Height - 4.1m

Tilt - 0 Degrees

LL-Canopy EM

Qty - 1

Mounting Height - 4.1m

Tilt - 0 Degrees

LL-E

tilt = See Symbol

Qty - 7

Mounting Height - 3.25m

Tilt - See Symbol

LL-E EM

tilt = See Symbol

Qty - 19

Mounting Height - 3.25m

Tilt - See Symbol

LL-A

5 degree tilt

Columns Qty - 10

Lanterns Qty - 10

Mounting Height - 6m

Tilt - 5 Degrees

LL-A

5 degree tilt

Columns Qty - 6

Lanterns Qty - 12

Mounting Height - 6m

Tilt - 5 Degrees

Carpark

HORIZONTAL LUX

Average 15.3

Maximum 79.0

Minimum 4.90

Min/Avg(Uo) 0.32

Min/Max 0.06

Rear Walkway

HORIZONTAL LUX

Average 93

Maximum 125

Minimum 50

Min/Avg(Uo) 0.53

Min/Max 0.40

Plant Area Walkway

HORIZONTAL LUX

Average 161

Maximum 196

Minimum 113

Min/Avg(Uo) 0.70

Min/Max 0.58

Canopy

HORIZONTAL LUX

Average 107

Maximum 127

Minimum 73

Min/Avg(Uo) 0.69

Min/Max 0.58

Delivery Lane

HORIZONTAL LUX

Average 125

Maximum 156

Minimum 82

Min/Avg(Uo) 0.66

Min/Max 0.53

signify

PHILIPS

interact

PHILIPS hue

LIGHT

COLORKINETICS

Project Name

LiDL Wallis Avenue,
Rochdale

Drawing Name

Calculation Results

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2) Do not scale for this drawing

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Rev	DSR no.	Comment	Date	LIAS	KAM	Project Number
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						Scale & Sheet Size
						1:200 @ A0
						Sheet No
						DWG 02