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.

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

Luma 1 BGP623 80 LED DW50 15KLM NW
lamp(s): LED-HB 5.1S
candela file 'Luma 1_BGP623_DW50_15000_80LED_5.1S_CLO_L90_NW.ies'
1 lamp(s) per luminaire, 15000 initial lumens per lamp
Maintenance Factor = 0.760, watts per luminaire = 81
Outreach (from mounting axis to photometric center)= 400 mm
mounting height= 6 m
number locations= 5, number luminaires= 5

Luma 1 BGP623 80 LED DM10 16.5KLM NW
lamp(s): LED-HB 5.1S
candela file 'Luma 1_BGP623_DM10_16500_80LED_5.1S_CLO_L90_NW.ies'
1 lamp(s) per luminaire, 16500 initial lumens per lamp
Maintenance Factor = 0.760, watts per luminaire = 90
Outreach (from mounting axis to photometric center)= 400 mm
mounting height= 6 m
number locations= 6, number luminaires= 6

Drive Thru
264 points at z=0, sp 1.5m by 1.5m
HORIZONTAL LUX

Average	50.5
Maximum	93.5
Minimum	17.7
Min/Avg(Uo)	0.350
Min/Max	0.189
Coef Var	0.405
UnifGrad	1.94

Car Park
506 points at z=0, sp 1.5m by 1.5m
HORIZONTAL LUX

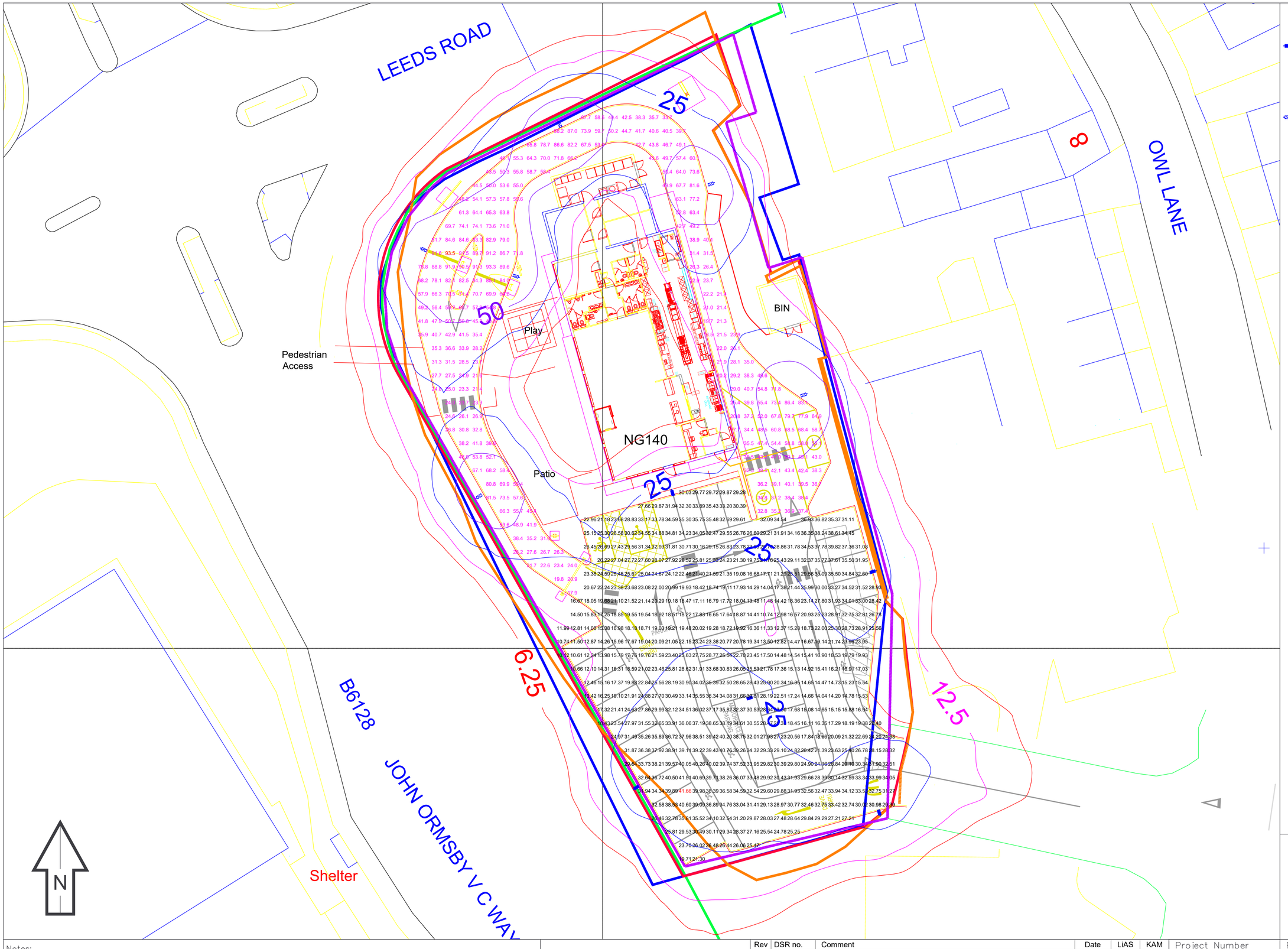
Average	26.30
Maximum	41.66
Minimum	10.12
Min/Avg(Uo)	0.385
Min/Max	0.243
Coef Var	0.293
UnifGrad	1.44

PROPOSAL
(NOT FOR CONSTRUCTION)

Rev	DSR no.	Comment	Date	LiAS	KAM
0	D-333189	INITIAL PROPOSAL	28.11.19	CP	EH

Project Number: O-1640078
Scale & Sheet Size: NTS @ A3
Sheet No: DWG 00

Project Name: MCDONALDS DEWSBURY
Drawing Name: LiAS DESIGN NOTES & LUMINAIRE SCHEDULE



Key:

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Notes:

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

PROPOSAL
(NOT FOR CONSTRUCTION)

Rev	DSR no.	Comment	Date	LiAS	KAM
0	D-333189	INITIAL PROPOSAL	28.11.19	CP	EH

Project Number
O-1640078

Scale & Sheet Size
1:200 @ A1

Sheet No
DWG 01

Project Name
MCDONALDS DEWSBURY

Drawing Name
PROPOSED LIGHTING LAYOUT

signify
PHILIPS interact MODULAR LUCEPLAN ILTI LUCE