

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.

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 the Environmental Zone the scheme is to be installed and the mounting height of the luminaire
- Energy consumptions have been based on the whole life of the luminaire
- 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.
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Project Specific Information

Designed to meet LTA minimum Standards.

PPA = 400-500lux (maintained) 0.70,in/ave Uniformity.

TPA = 300-400lux (maintained) 0.60,in/ave Uniformity.

All floodlights mounted at 8.2 metres

Design completed using a total of 18no Philips OptiVision BVP518 A35-NB+LO LED asymmetric floodlights.

Performance results shown are for TPA (See calculation for PPA Results)

Eh Spill results are at 0m height on ground

Ev Spill results are at 1.5m height above floor (centre of ground floor window height) Ev results are with all grid points cing towards centre of Court 2.

Calc	Grid	Unit	Ave	Min	Max	Uo	Min/Max
1	Court 1 PPA	lux	515	365	648	0.71	0.56
2	Court 1 TPA	lux	485	292	642	0.6	0.46
3	Court 2 PPA	lux	507	362	639	0.71	0.57
4	Court 2 TPA	lux	471	286	630	0.61	0.45
5	Court 3 PPA	lux	488	365	592	0.75	0.62
6	Court 3 TPA	lux	456	282	587	0.62	0.48

Legend  BVP518 IN T35 1xLED1470-4S/740/740 E3/D4I A35-NB LO



BVP518 HGB



Internal Louvre



Internal Louvre

Signify Lighting Contacts

Alex Rowe, Key Account Manager - 07919 395101 - alex.rowe@signify.com

Rev	DSR no.	Comment	Date	LiAS	KAM
0	D-515396	4x 8m BVP518 A35-NB+LO per Court Perform & Spill Results Overlay - LTA	09/06/23	SJ	AR

Project Number
0400879064
Scale & Sheet Size
NTS @ A3
Sheet No
DWG 00

Project Name
Boldon LTC, Dipe Lane, West Boldon
Drawing Name
LiAS DESIGN NOTES & LUMINAIRE SCHEDULE

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)





TPA = 300-400lux (maintained) 0.60, in/ave Uniformity.

All floodlights mounted at 8.2 metres

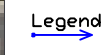
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Legend  BVP518 IN 135 1xLED1470-45/740/740 E3/D41 A35-NB LD



BVP518 HGB Internal Louvre Internal Louvre

- 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	Project Number	Project Name
0	D-515396	4x 8m BVP518 A35-NB+LO per Court Perform & Spill Results Overlay - LTA	09/06/23	SJ	AR	0400879064	Boldon LTC, Dipe Lane, West Boldon
						Scale & Sheet Size	Drawing Name
						1:150 @ A1	4x8m BVP518 A35-NB+LO Performance Results
						Sheet No	
						PR-DWG 01	



TPA = 300-400lux (maintained) 0.60, in/ave
Uniformity.

All floodlights mounted at 8.2 metres

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(See calculation for PPA Results)

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Legend
 BVP518 IN T35 1xLED1470-4S/740/740 E3/D4I A35-NB LD



BVP518 HGB	Internal Louvre	Internal Louvre
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don Lawn Tennis Club

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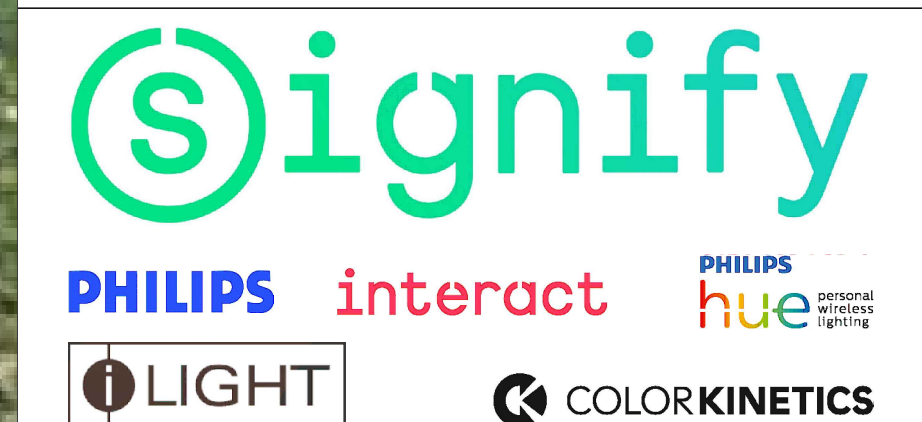
PROPOSAL

(NOT FOR CONSTRUCTION)

Rev	DSR no.	Comment	Date	LtAS	KAM
0	D-515396	4x 8m BVP518 A35-NB+LO per Court Perform & Spill Results Overlay - LTA	09/06/23	SJ	AR

Project Number	0400879064
Scale & Sheet Size	1:150 @ A1
Sheet No	SP-DWG 01

Project Name	Boldon LTC, Diipe Lane, West Boldon
Drawing Name	4x8m BVP518 A35-NB+LO Eh Spill @ 0m Results





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Legend BVP518 IN 135 1xLED1470-45/740/740 E3/D41 A35-NB LD



BVP518 HGB Internal Louvre Internal Louvre

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2) Do not scale for this drawing			Scale & Sheet Size			
			1:150 @ A1			
			Sheet No			
			SP-DWG 02		Drawing Name	

PROPOSAL

(NOT FOR CONSTRUCTION)

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0	D-515396	4x 8m BVP518 A35-NB+LO per Court Perform & Spill Results Overlay - LTA	09/06/23	SJ	AR

Project Name	Boldon LTC, Dipe Lane, West Boldon	
Drawing Name		4x8m BVP518 A35-NB+LO Ev Spill @ 1.5m Results

PROPOSAL
(NOT FOR CONSTRUCTION)

