

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 or PSDP (which are not Signify UK&I) during the detailed design phase.

Project Specific Assumptions

- See opposite

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

Pitch 100m x 63m used

The design has been completed using the Philips Asymmetric OptiVision LED GEN 3.5 Floodlights.

A total of 16no have been used to achieve an average of 300 lux.

Floodlights are mounted on 6 x 15 metre columns

Calc	Grid	Unit	Ave	Min	Max	Uo	Min/Max
1	Football	lux	305			0.73	0.46

Legend  BVP528 1xLED2220/757 OUT T15 50K A55-NB



Signify Lighting Contacts

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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	D-421421	New LED Lighting to 300 lux Spill Results	23/08/21	SJ	AP	0400602897	Penydarren BGC
						Scale & Sheet Size	Merthyr Tidfil, Wales
						NTS @ A3	Drawing Name
						Sheet No	LIAS DESIGN NOTES &
						DWG 00	LUMINAIRE SCHEDULE

Key:

Pitch 100m x 63m used

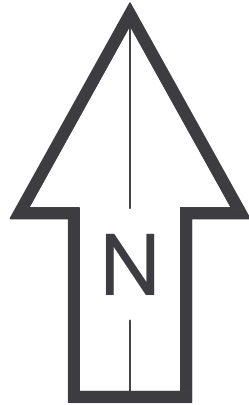
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Legend: BVP528 1xLED2220/757 OUT T15 50K A55-NB



- 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
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Rev	DSR no.	Comment	Date	LIAS	KAM
0	D-421421	New LED Lighting to 300 lux Spill Results	23/08/21	SJ	AP

Project Number	0400602897
Scale & Sheet Size	1:500 @ A1
Sheet No	DWG 01



Project Name
Penydarren BGC
Merthyr Tidfil, Wales

Drawing Name
6 No 15m 300 lux LED
Spill Lighting Results