

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 (for projects in the UK), or the PSDP/PSCS (for projects in the Republic of Ireland) ,of which neither role is Signify Commercial UK Ltd, or Signify Ireland Ltd during the detailed design phase.

Project Non Specific Design Comments:

- Where 'Lighting Classes' have not been provided/specified, the calculations have been produced using EN12193 Sports Lighting Guide and/or SLL LG4 Sports Lighting Guide.
- Where column heights have not been provided/specified, these have been assumed to be a suitable height as to keep Upward Light spill below the 90 deg line.
- It has been assumed that luminaires will be mounted on purpose made floodlight brackets and spaced sufficiently apart to prevent light being obstructed by adjacent fittings. Recommended spacing is 1.2m apart on columns and Headframes and 1.5m on Gantries.
- 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 (for projects in the UK) or the PSDP and/or PSCS (for projects in the Republic of Ireland) 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 (for projects in the UK) or the PSDP (for projects in the Republic of Ireland).
- 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 (for projects in the UK) or the PSDP (for projects in the Republic of Ireland).
- 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 (for projects in the UK) or the PSDP (for projects in the Republic of Ireland) 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 Designer (for projects in the UK) or the PSDP (for projects in the Republic of Ireland) 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.
- Calculated results are based upon accurate positioning of fittings and correct aiming, as per the calculation report. It is responsibility of customer to check information used and/or assumed in the calculation report is correct before ordering. Signify cannot be held responsible for result issues, if fittings not positioned or aimed correctly on site.

Specific Design Notes:

The design has been completed using the Philips Asymmetric OptiVision LED GEN 3 Floodlights. A total of 6no have been used to achieve an average of 100lux.

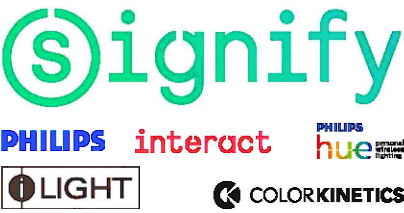
Floodlights are mounted on 6 x 15 metre columns

Calc	Grid	Unit	Ave	Min	Max	Uo	Min/Max
1	Rugby	lux	152			0.53	0.37

Legend
→ BVP528 OUT T35 1xLED2590-4S/757/757 E3/D4I A55-NB



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Rev	DSR no.	Comment	Date	LiAS	KAM	Project Number	Project Name
0	6392389	Performance & Spill Results	11/08/25	SJ	AP	502410296	Tonna RFC
						Scale & Sheet Size	Drawing Name
						NTS @ A3	LiAS DESIGN NOTES & LUMINAIRE SCHEDULE
						Sheet No	
						PR-DWG 00	

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, **Safety, Health and Welfare at Work (Construction) Regulations 2013**.

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)



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Floodlights are mounted on 6 x 15 metre columns

Calc	Grid	Unit	Ave	Min	Max	Uo	Min/Max
1	Rugby	lux	152			0.53	0.37

Legend: BVPS28 OUT T35 1xLED2590-4S/757 E3/D41 A55-NB



TONNA RFC
PROPOSED LED UPGRADE



- 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	6392389	Performance & Spill Results	11/08/25	SJ	AP

Project Number	502410296
Scale & Sheet Size	1:250 @ A1
Sheet No	PR-DWG 01

Project Name	Tonna RFC
Drawing Name	6x15m - Eh 100 lux ave Performance Lighting



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Floodlights are mounted on 6 x 15 metre columns

Calc	Grid	Unit	Ave	Min	Max	Uo	Min/Max
1	Rugby	lux	152			0.53	0.37

Legend BVPS28 OUT T35 1xLED2590-4S/757/757 E3/D41 A55-NB



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						Sheet No	Eh Spill Lighting
						SP-DWG 01	