

# LiAS Design Notes

The lighting proposal produced by the Lighting Application Specialist (LiAS) team of Philips Lighting is based on the limited information supplied and provides an indicative design only, which does not take into account the elimination of health and safety risks at this stage.

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 Philips Lighting UK) during the detailed design phase.

## Project Specific Assumptions

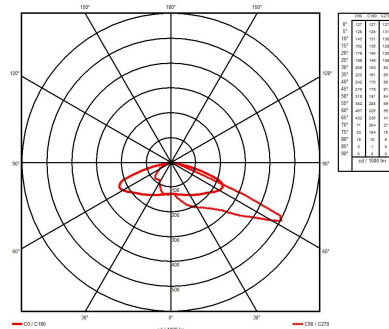
- Lighting levels as Per LiDL specification.
- Column heights and bracket arms as indicated within the luminaire schedule.
- The Luminaire Maintenance Factors have been based on a 4 year cleaning intervals within an E3/E4 Environmental Zone and it is assumed that lamp/luminaire failures will be replaced on a 'spot replacement'.
- The design calculations produced by Philips Lighting UK do not account for the effect obstructions, such as trees, will cause.

## Generic Assumptions (unless specifically informed differently)

- Philips Lighting UK Proposals 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.
- Philips Lighting UK 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.
- Philips Lighting UK has not visited site. Therefore all column/luminaire locations are indicative and are subject to an onsite verification arranged/performed by the Principle Designer.
- Philips Lighting UK has not produced any Private Cable Network electrical calculations or reviewed the DNO network to confirm power supplies to the proposed lighting.
- Philips Lighting UK 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.
- Philips Lighting UK 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 (eg raise & lower, ground condition, foundation type, saline environment, etc).
- Philips Lighting luminaires will be supplied in their standard colour.

## Proposed Luminaires

LumiStreet Lantern



Pacific Wall Light



LuxSpace Canopy Downlighter



# Luminaire Schedule

P/2018/00530  
Received 18 June 2018

LUMINAIRE LEGEND		Qtys Lanterns
	2 X Philips LumiStreet LED Luminaires and 1 x 6 m Column with 0.5m bracket. Luminaire BGP213 LED49-4S/740 I DX10 7024 D9 48/60. (Lantern Ref: LL-A) 12NC: 910770202405	14
	1 X Philips LumiStreet LED Luminaire and 1 x 6 m Column with 0.5m bracket. Luminaire BGP213 LED49-4S/740 I DX10 7024 D9 48/60. (Lantern Ref: LL-A) 12NC: 910770202405	13
	1 X Philips LumiStreet LED Luminaire and 1 x 6 m Column with 0.5m bracket. Luminaire BGP213 LED75-4S/740 I DX10 7024 D9 48/60. (Lantern Ref: LL-C) 12NC: 910770202407	6
	1 X Philips LumiStreet LED Luminaire and 1 x 5 m Column post top mounted. Luminaire BGP213 LED18-4S/740 I DW50 7024 D9 76	2
	1 X Philips Pacific 1300mm LED Luminaire Luminaire WT460C LED23S/840 PSU WB TC L1300. (Luminaire Ref: LL-E) with LiDL adjustable bracket. Luminaire mounted at 3.1m. 12NC: 910925335658	1
	1 X Philips Pacific 1300mm LED Luminaire Luminaire WT460C EL3-LED23S/840 PSU WB TC L1300. (Luminaire Ref: LL-E EM-EL3) with LiDL adjustable bracket. Luminaire mounted at 3.1m. 12NC: 919913997331	29
	1xPhilips LuxSpace Recessed Downlighter DNS70B LED20S/840 PSE-E C PG GR IP54 front IP40 back. (Luminaire Ref: LL-CANOPY) 12NC: 822276497916	26
	1xPhilips LuxSpace Recessed Downlighter DNS70B EL3-LED20S/840 PSE-E C PG GR IP54 front IP40 back. (Luminaire Ref: LL-CANOPY EM-EL3)	3
	Columns with backplates installed	16

All Lanterns installed at tilt angles indicated adjacent to the luminaire positions shown on the drawing.

Perimeter lighting to be considered by client including any emergency lighting requirements.  
Footpaths/Stairs/Ramps not considered in these proposals.

Where required Lighting columns should be protected by barriers from vehicle impact damages.

These lighting values do not take into account any obstructions from trees, vehicles, objects etc.

## Lighting Levels Summary

Average Carpark Lighting Level	Overall Uniformity Min/Ave	Upward Light Ratio	Maintenance Factor
14Lux	39%	1%	0.79

## Philips Lighting Contacts

Jake Watson, Key Account Manager - 07789 398626



### Lighting Proposal Terms and Conditions of Use

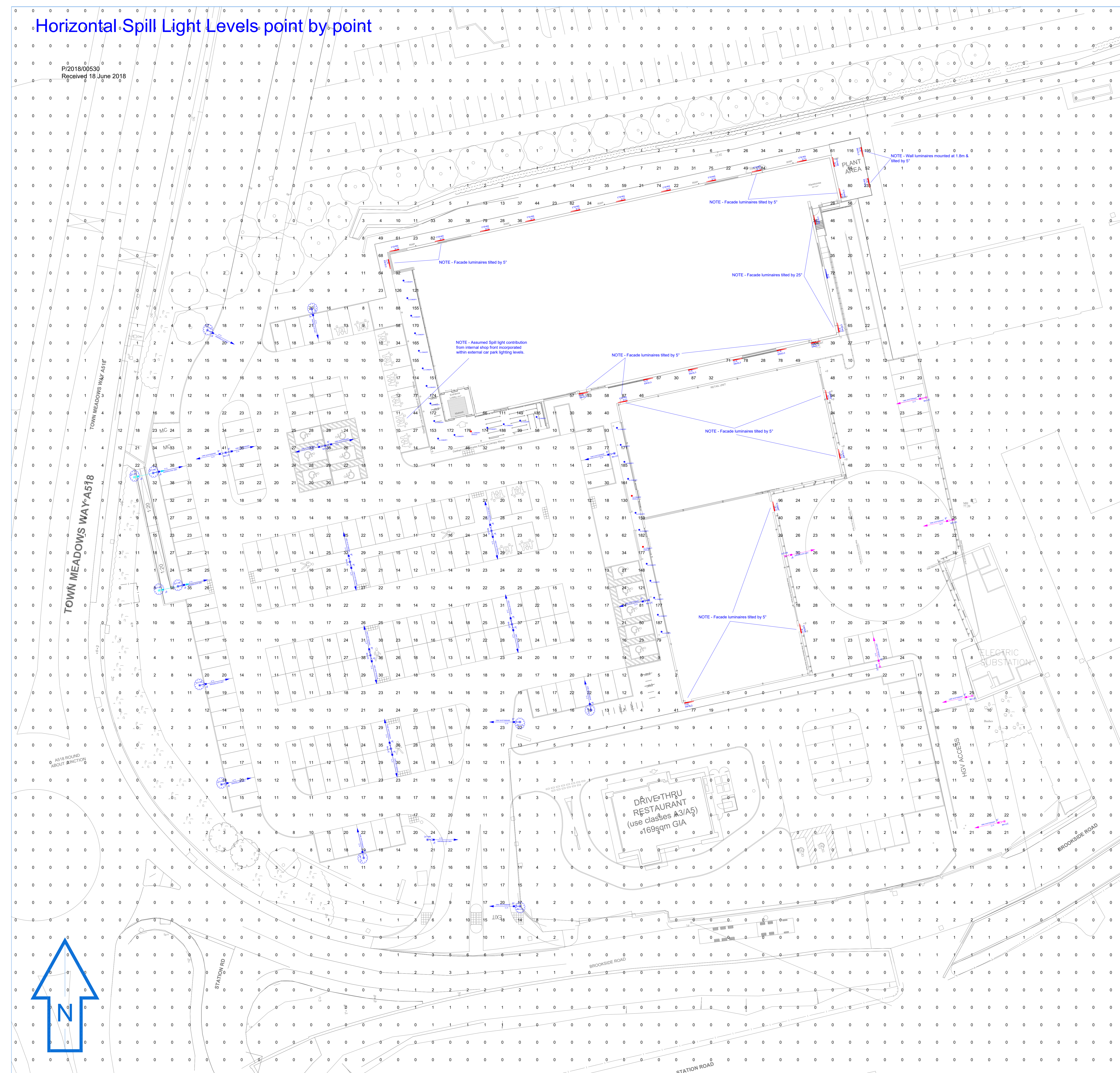
These terms and conditions apply to any proposal(s) supplied by Philips Lighting UK Limited ("Philips") to which this document has been attached or accompanies, whether or not this is specifically acknowledged or referenced within the proposal. For the purposes of these terms and conditions a proposal ("proposal") is understood to mean a CAD drawing, lighting calculation, written document, verbal conversation, or in fact any medium used to demonstrate or communicate a proposed lighting arrangement using Philips lighting products. A customer ("customer") is the person or organisation for whom the proposal is intended, whilst a design ("design") or principal designer/designer ("principal designer") should have the meaning set out in the Construction, Design and Management Regulations 2015 as amended. Safety, Health & Welfare at Work Act 2005 The Construction (Design & Management) Regulations (Northern Ireland) 2015 as amended. This legislation is referred to in this document, collectively, as the "CDM Regulations".

**PROPOSAL**  
(NOT FOR CONSTRUCTION)

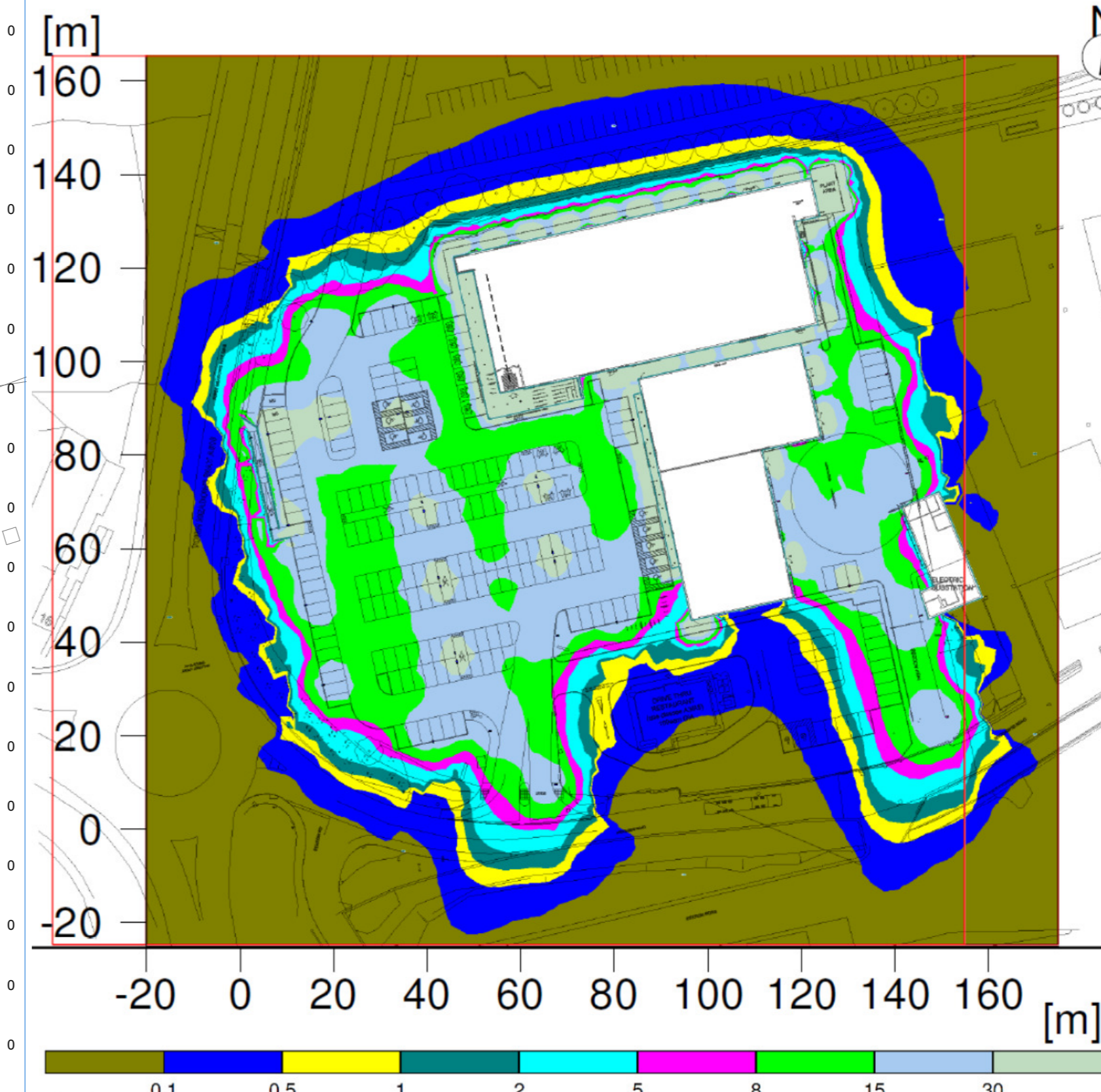
Rev	DSR no.	Comment	Date	LIAS	KAM	Project Number	Project Name
0	D-245767	INITIAL PROPOSAL	06/06/18	HSR / AGG	JW	O-2190702	LiDL Brookside Road, Uttoxeter Carpark
						Scale & Sheet Size	Drawing Name
						NTS @ A3	LiAS DESIGN NOTES & LUMINAIRE SCHEDULE
						Sheet No	
						DWG 00	

# Horizontal Spill Light Levels point by point

P/2018/00530  
Received 18 June 2018



# Carpark Lighting Results



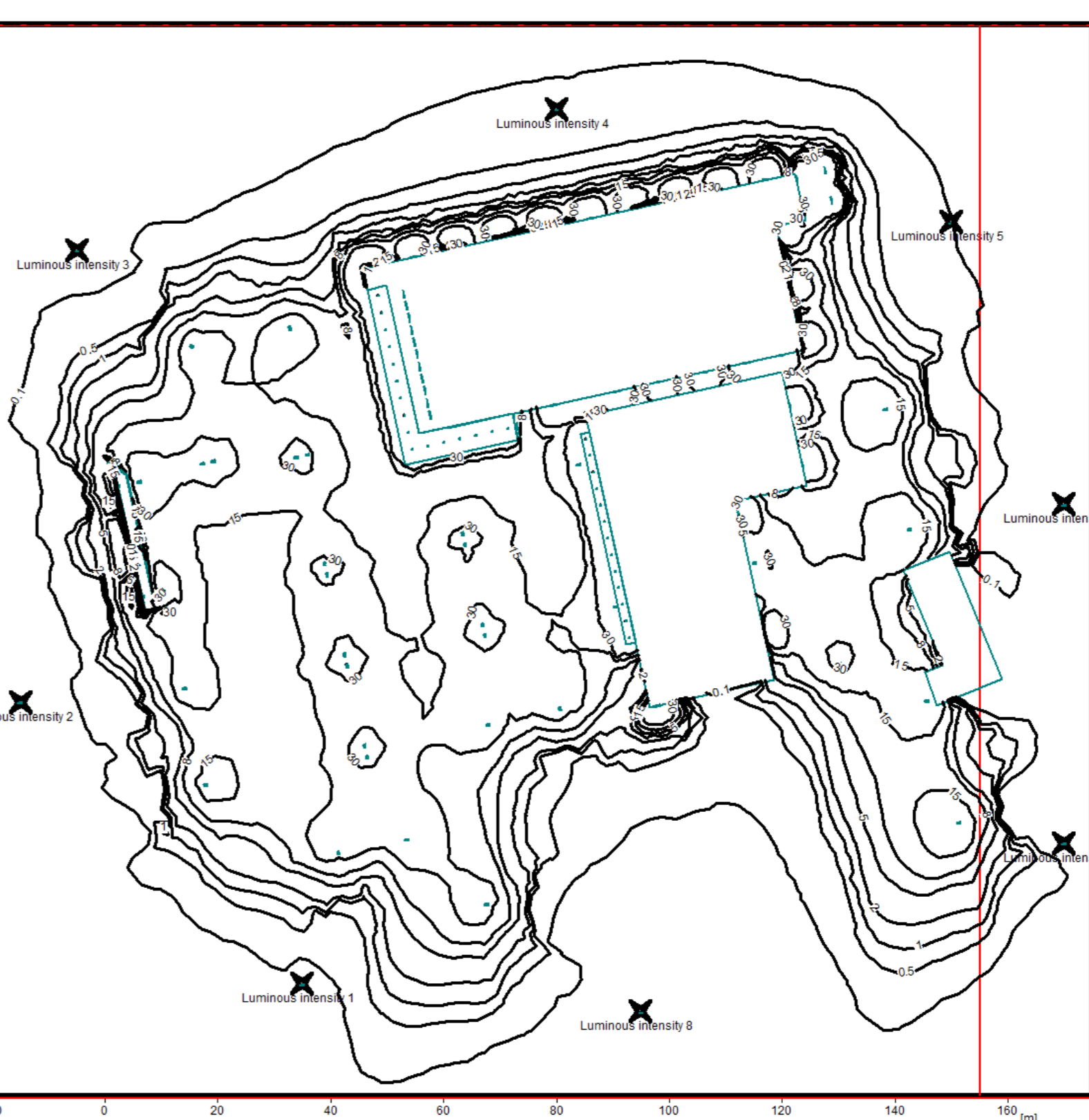
## Key:

LUMINAIRE LEGEND	Qty's	Lanterns
<td>13</td> <td></td>	13	
<td>2</td> <td></td>	2	
<td>29</td> <td></td>	29	
<td>3</td> <td></td>	3	
<p>All Lanterns installed at tilt angles indicated adjacent to the luminaire positions shown on the drawing. Perimeter lighting to be considered by client including any emergency lighting requirements. Footpaths/Stairs/Ramps not considered in these proposals. Where required Lighting columns should be protected by barriers from vehicle impact damages. These lighting values do not take into account any obstructions from trees, vehicles, objects etc.</p>		

## Proposed Luminaires



## Spill Light Isolines



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
0	D-245767	INITIAL PROPOSAL

Date	LIAS	KAM
06/06/18	HSR / AGG	JW

Project Number  
**O-2190702**  
Scale & Sheet Size  
**1:250 @ A0**  
Sheet No  
**DWG 01**

Project Name  
**LiDL Brookside Road, Utoxeter Carpark**  
Drawing Name  
**PROPOSED LIGHTING LAYOUT**

**EMERGENCY LUMINAIRES POSITIONED NEAR ASSUMED FINAL EMERGENCY EXIT DOORS, CONTRACTOR TO ADVISE IF THESE REQUIRE FURTHER REVISION.**

**Illuminance Values for Horizontal Spill Light at 0m. Maintenance Factor of 1.**

