

DATE: 7 April 2025
DESIGNER: EDS
PROJECT No: 860
PROJECT NAME: Amethyst Lane (Rev A)

**LIGHTING
REALITY**

Designed to lighting class BS5489 P4

The lighting equipment specified to sympathise with ecology including the following;

Reduced column height from 6m to 5m.

0 degree lantern tilt

Zero upward sky glow LED lanterns

0.5 lux contour also included for reference

Lantern louvres to be fitted where required at the request of ecologist

Rev A - Lantern colour temperature updated to a warmer white (2700K).

Lighting Proposals in keeping with ILP Guidance 08/23 (Bats & Artificial Lighting at Night)

Upward Light Ratio (ULR) of LED = 0%

Outdoor Lighting Report

Layout Report

General Data

Dimensions in Metres Angles in Degrees
Grid Origin 1.1m x -20.9m
Area 77.1m x 95.8m
Sample Spacing 1.48m x 1.50m

Luminaires



Luminaire A Data

Supplier	Urbis Schreder
Type	AXIA 3 EVO 1 5293 16 OSLON SQUARE GIA NT@500mA WW 727 230V 02-53
Lamp(s)	16 OSLON SQUARE GIANT@500mA WW 7 27 230V 02-53-573 [CJOIO3STDA]
Lamp Flux (klm)	3.21
File Name	AXIA 3 EVO 1 5293 16 OSLON SQUARE GIA NT 500mA WW 727 25W 7x7 III-VeryShort 5...
Maintenance Factor	0.75
Imax70,80,90(cd/klm)	560.6, 25.2, 0.0
No. in Project	5

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out- reach	Target X	Target Y	Target Z
1	A	46.93	-1.26	5.00	9.00	0.00	0.00	0.50			
2	A	44.34	16.75	5.00	75.00	0.00	0.00	0.50			
3	A	38.54	43.33	5.00	353.00	0.00	0.00	0.50			
4	A	26.62	67.22	5.00	268.00	0.00	0.00	0.50			
5	A	51.87	67.34	5.00	264.00	0.00	0.00	0.50			

Horizontal Illuminance (lux)

Grid 1



Results

Eav	5.99
Emin	1.00
Emax	13.25
Emin/Emax	0.08
Emin/Eav	0.17