



LEGEND						
SYMBOL	REFERENCE	QTY	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	NUMBER LAMPS
	A	3	ABACUS LIGHTING	AL61009	S LUM ROAD LANTERN POST TOP MOUNTED ON 6m COLUMN, 40W, 4K, LANTERN 0° ELEVATION	1
	AW	1	ABACUS LIGHTING	AL61009	S LUM ROAD LANTERN WALL MOUNTED AT 6m, 40W, 4K, LANTERN 0° ELEVATION	1
	B	1	ABACUS LIGHTING	AL61009	S LUM ROAD LANTERN POST TOP MOUNTED ON 6m COLUMN, 60W, 4K, LANTERN 0° ELEVATION	1
	C	19	ABACUS LIGHTING	AL60601	REVATI BULKHEADS WALL MOUNTED AT 4m, 25W, 4K	1
	D	9	ABACUS LIGHTING	AL60601	REVATI BULKHEADS WALL MOUNTED AT 10m, 102W, 4K	1
	E	1	ABACUS LIGHTING	AL61101	TWIN VAGO FLOODLIGHTS MOUNTED ON 6m COLUMN, 102W, 4K	2
	F	1	ABACUS LIGHTING	AL61101	THREE VAGO FLOODLIGHTS MOUNTED ON 6m COLUMN, 102W, 4K	3
	G	1	ABACUS LIGHTING	AL61101	VAGO FLOODLIGHT MOUNTED ON 6m COLUMN, 102W, 4K	1
	H	1	ABACUS LIGHTING	AL61101	TWIN VAGO FLOODLIGHTS, 102W, 4K & SINGLE VAGO FLOODLIGHT, 93W, 4K MOUNTED ON 6m COLUMN	3

NOTES

- THIS DRAWING IS PROVIDED AS PART OF ANDERSON GREEN PERFORMANCE DOCUMENTATION AND INDICATES DESIGN INTENT ONLY TO ASSIST IN PRICING. IT DOES NOT CONSTITUTE A DETAILED DESIGN AND IT WILL REMAIN THE RESPONSIBILITY OF THE SUB-CONTRACTOR TO ENSURE THE FINAL DESIGN AND INSTALLATION COMPLIES FULLY WITH THE PROJECT SPECIFICATION.
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE MECHANICAL & ELECTRICAL SPECIFICATIONS.
- PROTECTION / BARRIERS TO LIGHTING COLUMNS TO BE PROVIDED AND INSTALLED AS REQUIRED.
- EXTERNAL LIGHTING TO BE CONTROLLED VIA PHOTOCELLS, TIME CLOCKS AND CONTACTORS
- BELOW GROUND CABLE INSTALLATION MUST COMPLY WITH RELEVANT BRITISH STANDARDS AND NAJG RECOMMENDATIONS.

ILLUMINANCE LEVEL

UNIT 1 YARD
 AVERAGE HORIZONTAL ILLUMINANCE (EHAVE): 56 LX
 MINIMUM HORIZONTAL ILLUMINANCE (EHMIN): 22 LX
 UNIFORMITY RATIO (EHMIN/EHAVE): 0.4

UNIT 1 PARKING
 AVERAGE HORIZONTAL ILLUMINANCE (EHAVE): 20 LX
 MINIMUM HORIZONTAL ILLUMINANCE (EHMIN): 6 LX
 UNIFORMITY RATIO (EHMIN/EHAVE): 0.29

UNIT 1 PERIMETER
 AVERAGE HORIZONTAL ILLUMINANCE (EHAVE): 24 LX
 MINIMUM HORIZONTAL ILLUMINANCE (EHMIN): 11 LX
 UNIFORMITY RATIO (EHMIN/EHAVE): 0.44

UNIT 1 PERIMETER
 AVERAGE HORIZONTAL ILLUMINANCE (EHAVE): 20 LX
 MINIMUM HORIZONTAL ILLUMINANCE (EHMIN): 5 LX
 UNIFORMITY RATIO (EHMIN/EHAVE): 0.25

UNIT 2 YARD
 AVERAGE HORIZONTAL ILLUMINANCE (EHAVE): 53 LX
 MINIMUM HORIZONTAL ILLUMINANCE (EHMIN): 21 LX
 UNIFORMITY RATIO (EHMIN/EHAVE): 0.4

UNIT 2 PARKING
 AVERAGE HORIZONTAL ILLUMINANCE (EHAVE): 30 LX
 MINIMUM HORIZONTAL ILLUMINANCE (EHMIN): 12 LX
 UNIFORMITY RATIO (EHMIN/EHAVE): 0.4

UNIT 2 PERIMETER
 AVERAGE HORIZONTAL ILLUMINANCE (EHAVE): 17 LX
 MINIMUM HORIZONTAL ILLUMINANCE (EHMIN): 6 LX
 UNIFORMITY RATIO (EHMIN/EHAVE): 0.34

UNIT 3 YARD
 AVERAGE HORIZONTAL ILLUMINANCE (EHAVE): 54 LX
 MINIMUM HORIZONTAL ILLUMINANCE (EHMIN): 21 LX
 UNIFORMITY RATIO (EHMIN/EHAVE): 0.4

UNIT 3 PARKING
 AVERAGE HORIZONTAL ILLUMINANCE (EHAVE): 28 LX
 MINIMUM HORIZONTAL ILLUMINANCE (EHMIN): 12 LX
 UNIFORMITY RATIO (EHMIN/EHAVE): 0.42

UNIT 3 PERIMETER
 AVERAGE HORIZONTAL ILLUMINANCE (EHAVE): 16 LX
 MINIMUM HORIZONTAL ILLUMINANCE (EHMIN): 5 LX
 UNIFORMITY RATIO (EHMIN/EHAVE): 0.3

UPLW: 11%

GRID VALUES IN LUX
 GRID INTERVALS: 1M, 1M
 CONTOUR VALUES IN LUX

MAINTENANCE FACTOR: 0.9
 LOCATION: MEDIUM POLLUTION
 CLEANING INTERVALS: 12 MONTH
 TYPICAL LED LIFE TIME: 60,000H

P05	REVISED PLANNING ISSUE	05.10.21
P04	ISSUE FOR PLANNING	20.09.21
P03	ISSUE FOR PLANNING	02.09.21
P02	ISSUE FOR PLANNING	27.08.21
P01	ISSUE FOR PLANNING	23.07.21

STAGE 2
TWIN ROAD
WELWYN GARDEN CITY
EXTERNAL LIGHTING

Rev	Issued	Date	By		
ST	MS	MS	23.07.21	AO	1:200

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