Dimensions are not to be scaled from this drawing

Luminaire Schedule						
Symbol	Qty	Label	Arrangement	Description	Lum. Lumens	LLF
	2	EX1	SINGLE	15w LED 4000k Viva City Pro 320mA with Internal Spill Shield AYB70 Optic column mounted at 5m.	1341	0.900
	3	EX2	SINGLE	15w LED 4000k Viva City Pro 320mA with Internal Spill Shield FWB70 Optic column mounted at 5m.	1746	0.900

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Uniformity	Diversity
ObtrusiveLight_1_Cd_Seg1	Obtrusive - Cd	N.A.	2.10	5	0	0.00	0.00
ObtrusiveLight_1_Cd_Seg2	Obtrusive - Cd	N.A.	0.50	2	0	0.00	0.00
ObtrusiveLight_1_Ill_Seg1	Obtrusive - Ill	Lux	0.00	0	0	N.A.	N.A.
ObtrusiveLight_1_Ill_Seg2	Obtrusive - Ill	Lux	0.00	0	0	N.A.	N.A.
ObtrusiveLight_2_Cd_Seg1	Obtrusive - Cd	N.A.	0.80	2	0	0.00	0.00
ObtrusiveLight_2_Cd_Seg2	Obtrusive - Cd	N.A.	0.36	1	0	0.00	0.00
ObtrusiveLight_2_Ill_Seg1	Obtrusive - Ill	Lux	0.00	0	0	N.A.	N.A.
ObtrusiveLight_2_Ill_Seg2	Obtrusive - Ill	Lux	0.00	0	0	N.A.	N.A.
Unadopted Roadways	Illuminance	Lux	7.59	23.6	2.1	0.28	0.09

TURNING HEAD

Traffic Calming

Traffic Calming

Traffic Calming

PLOT 20

PLOT 21

PLOT 28

PLOT 27

PLOT 26

PLOT 30

PLOT 29

PLOT 49

PLOT 50

PLOT 32

PLOT 31

PLOT 48

PLOT 47

PLOT 34

PLOT 33

PLOT 36

PLOT 35

PLOT 46

PLOT 45

PLOT 44

PLOT 43

PLOT 41

PLOT 42

PLOT 25

PLOT 24

0MM STEP

EX2
MH: 5

EX1
MH: 5

UNADOPTED HIGHWAY

New infill to extend landscape area

LEYWELL ROAD

16.8 16.0 11.1 6.6
17.8 22.6 14.7 8.6 5.3
22.1 15.4 10.0 6.6 4.5
10.8 7.8 6.8 5.6
5.8 5.4 6.3 6.2 4.5
5.6 7.4 7.6 5.4
9.3 11.7 10.8 6.9 3.6
20.5 15.1 9.5 5.3
23.6 18.1 11.8 6.8 3.8
18.6 11.0 7.2 4.4
6.8 5.1 3.7
3.1

3.6
17.2 20.2 12.8 5.9
9.6 19.3 23.0 19.1 12.5 7.5
8.6 13.4 14.6 12.5 9.3 6.6 4.4
6.0 8.1 9.7 10.0 7.5 5.8 4.3
6.8 6.5 7.5 7.2 5.9 4.0 2.7
9.7 8.0 8.2 6.9 7.3 5.5 3.4 2.1
6.5 7.9 7.6 7.7 6.8 5.8 5.0 3.5
3.4 4.4 6.0 8.1 7.6 4.6 3.5 2.7
2.8 2.8 3.4 4.6 5.7 5.2 3.6 2.5
5.3 4.2 3.6 3.3 3.5 4.3 4.6 3.1
9.2 7.3 6.4 5.2 4.6 3.6 3.1 3.0
7.0 8.4 7.6 7.9 6.1 5.4 4.2 3.0
3.2 4.4 6.8 7.9 7.4 5.0 3.5 2.7
4.3 5.3 5.1 3.5 2.5
4.1 4.5 2.8

Kingfisher Lighting

Part of the Luceco PLC group of companies LUCECO

BREEAM New Construction 2018 (UK)

49625	Moston Campus Residential, Manchester

	Colour Temperature (K)	Qty	Range	Light Source	Luminaire Lumens (lm)	Watts (W)	Lm/W	LOR	Total Lumens	ULOR	Upward Lumens	CRI	*** ART Hour Per Day	CO^2 (Tonnes)	Kwt/Hour
	4000	2	Viva City PRO	15w LED AYB70	1341	15	89.40	100%	2682	0.0%	0	>70	12	0.03	131.40
	4000	3	Viva City PRO	15w LED FWB70	1746	15	116.40	100%	5238	0.0%	0	>70	12	0.04	197.10

CO^2 Calculation For A Year

GN01 – 2011	
Table 5 Compliance	
Environmental Zone	E3

Sky Glow	Target	Achieved	Status
	5.00%	0.00%	Pass

Source Intensity (Candelas)			
Pre Curfew	10,000	5	Pass
Post Curfew	1,000	5	Pass

Light Trespass into Windows (Lux)			
Pre Curfew	10	0	Pass
Post Curfew	2	0	Pass

Building Luminance (cd/m^2)	10		Pass

Total Installation Lumens	7520.00	Total Upward Light	0.00%
Total CO^2 Per Year (Tonnes)			0.07
Total Electric Consumption (Kw)			0.08
Total Electric Consumption Per Year (Kwh)			328.50
Average Luminaire Lumens Per Circuit Watt			105.60

Compliance Status		
Pol 04	Reduction Of Night Time Light Pollution	Pass
Ene 03	Energy Efficient External Lighting	Pass
Hea 01	Internal And External Lighting Levels	Pass

Note - HEA01 in this report only applies to exterior lighting
*** ART = (Average Run Time)

Date 12/06/2023

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Moston Campus Residential, Manchester	Scale 1:250 at A2	Project Number D49625B
	Date 12 June 2023	Drawing No. D49625/RD/B
		Lighting Designer : Robert Dagley

For our LED lighting designs a 0.9mf has been used. If this differs from the maintenance period for this project then you must advise us accordingly

A lighting applications design service is provided by us in good faith and without charge, relating to Kingfisher products only. As such, whilst every endeavor is made for accuracy from information provided by yourselves, the final responsibility for the suitability of the design lies with the client. The company cannot, therefore, accept any liability or consequential loss incurred.

A2