

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_III_Seg1	Obtrusive - III	Lux	0.00	0	0	N.A.	N.A.	
ObtrusiveLight_1_III_Seg2	Obtrusive - III	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_III_Seg1	Obtrusive - III	Lux	0.00	0	0	N.A.	N.A.	
ObtrusiveLight_2_III_Seg2	Obtrusive - III	Lux	0.00	0	0	N.A.	N.A.	
Unadopted Roadways	Illuminance	Lux	7.59	23.6	2.1	0.28	0.09	



Traffic Calming

Dimensions are not to be scaled from this drawing



Kingfisher Lighting

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BREEAM New Construction 2018 (UK)

49625 Moston Campus Residential, Manchester

CO ₂ Calculation For A Year													
Colour Temperature (K)	Qty	Range	Light Source	Luminaire Lumens (lm)	Watts (W)	lm/W	LOI	Total Lumens	LOI	Upward Lumens	CR	*** APE Hour Per Day	CO ₂ (tonnes)
4000	2	Viva City PRO	15w LED AYB70	1341	15	89.40	100%	2682	0.0%	0	>70	12	0.03
4000	3	Viva City PRO	15w LED FWB70	1746	15	116.40	100%	5238	0.0%	0	>70	12	0.04

COMES - 2013

Table 1: Compliance			
Environmental Zone	13		
City Class	Target	Achieved	Status
	5.00%	0.00%	Pass
Source Intensity (Candelas)			
Plot Curfew	15,000	5	Pass
Plot Curfew	1,000	5	Pass
Light Transmittance Into Windows (lm/m²)			
Plot Curfew	25	0	Pass
Plot Curfew	2	0	Pass
Building Luminaire (lm/m²)	20		Pass

Total Installation Lumens 7900.00

Total Upward Light 0.00%

Total CO₂ Per Year (tonnes) 0.07

Total Electric Consumption (kWh) 0.08

Total Electric Consumption Per Year (kWh) 328.50

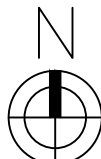
Average Luminaire Lumens Per Circuit Watt 105.40

Compliance Status	
Produce	Reduction of night time light pollution
Produce	Energy Efficient External Lighting
Produce	Internal and External Lighting Levels

Note: - HEA in this report only applies to exterior lighting
- APE = (Average Rise Time)

Date: 12/06/2021

A2



Moston Campus Residential, Manchester

Scale

1:250 at A2

Project Number

D49625B

Date

12 June 2023

Drawing No.

D49625/01/B

Lighting Designer: Robert Ogley



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

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