

047479	Atlas Business Park, Manchester
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COP Connected to a Base															
Critical Temperature (°C)	Qty	Range	Light Source	Leads/Line Length (m)	Watts (W)	lm/W	LOE	Total Lumens	LOOE	Upward Lumens	CBE	Watt Hour Per Day	CO2 (kg/ton)	Pay/Year	
	4000	15	Viva City PRO	60W LED PWR	8844	60	147.49	100%	13506W	0.0%	0	>X3	\$2	0.81	2942.00
	4000	17	Viva City PRO	125W LED PWR	17760	125	148.26	100%	30216W	0.0%	0	>X3	\$2	1.80	8925.25
	4000	15	2X5SE	120W LED PWR	94154	120	132.59	100%	94236W	0.0%	0	>X3	\$2	6.42	29208.00
	4000	22	Semita Urban	24W LED LC	3000	24	125.29	100%	8800W	0.0%	0	>X3	\$2	0.49	2312.54
	4000	4	Viva City PRO Flood	125W LED PWR	17760	125	148.26	100%	30216W	0.0%	0	>X3	\$2	0.60	2112.44
	4000	18	2X5G	90W LED PWR	21520	90	133.58	100%	29406W	0.0%	0	>X3	\$2	2.80	13014.40
	4000	46	Semita Urban	ELW LED-DC	1570	11	142.73	100%	7222W	0.0%	0	>X3	\$2	0.62	2296.38

GRI 1:2011					Total installation capacity (MW)	899764.00	Fuel-upward Lignite	0.86%
Table 1 Compliance					Total CO2 Per Year (Teraebs)			13.7
Environmental Zone	C3				Total Electric Consumption (Mn)			12.1
Sig. Effort	target 5.00%	Achieved 0.00%	Status	Poor	Total Electric Consumption Per Year (GWh)			1406.82
					Average Sustainable Sources Per Client Watt			\$0.39

Source Intensity (candela)				Average luminous Luxes Per Circuit Watt		\$/Watt	
Pin1 Corfluo	10,000	344	Pass				
Pin2 Corfluo	1,000	344	Pass				
Light Transmiss into Windows (lm)							
Pin1 Corfluo	10	0	Pass				
Pin2 Corfluo	2	0	Pass				
Building Luminance (cd/m²)							
Pin1 Corfluo	10		Pass				

Compliance Results		
Test 64	Reduction of Night Time Light Pollution	Pass
Test 65	Energy Efficient External Lighting	Pass
Test 67	Internal and External Lighting Solutions	Pass

Note: *HEAT is this report only applies to exterior lighting * JEET = (Average Sun Time)	
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Mainline Schedule				
Symbol	Qty	Label	Arrangement	Description
	15	A	SINGLE	60w LED 4000K Viva City Pro 610mA with X770 Opto column mounted at 8m
	8	C	SINGLE	120w LED 4000K Viva City Pro 610mA with F7W70 Opto column mounted at 8m
	8	CW	SINGLE	320w LED 4000K Zactis 808mA Floodlight with X770 Opto column mounted at 10m
	8	CW	SINGLE	320w LED 4000K Zactis 808mA Floodlight with F7W70 Opto wall mounted at 12m
	8	CW	SINGLE	24w 4000K LED Semita Urban bollard with flood optic wall mounted at 5.5m
	4	EW	SINGLE	113w LED 4000K Viva City Flood 780mA with F7W70 Opto wall mounted at 8m
	10	FW	SINGLE	160w LED 4000K Zactis 808mA Floodlight with F7W70 Opto wall mounted at 8m
	8	F	SINGLE	160w LED 4000K Zactis 808mA Floodlight with F7W70 Opto column mounted at 8m
	46	GW	SINGLE	11w LED 4000K Semita Urban bollard with optic optic wall mounted at 4m

Calculation Summary		CalcType	Units	Avg	Max	Min	Min/Avg	Min/Max
3m Wide Cycle Track	illumination	Lux	24.67	42	12	0.49	0.29	
Side Road	illumination	Lux	20.78	72	10	0.14	0.14	
Unit 1 Car Park	illumination	Lux	22.78	42	10	0.44	0.24	
Unit 1 Loading Bay	illumination	Lux	46.43	85	28	0.60	0.33	
Unit 1 Perimeter	illumination	Lux	16.42	25	7	0.43	0.28	
Unit 1 Service Yard	illumination	Lux	31.61	68	10	0.19	0.13	
Unit 2 & 3 Perimeter	illumination	Lux	12.71	31	5	0.39	0.16	
Unit 2 Car Park	illumination	Lux	24.93	47	10	0.40	0.21	
Unit 2 Loading Bay	illumination	Lux	14.61	27	4	0.43	0.44	
Unit 3 Service Yard	illumination	Lux	38.34	75	20	0.52	0.27	
Unit 3 Car Park	illumination	Lux	25.04	45	12	0.48	0.27	
Unit 3 Loading Bay	illumination	Lux	60.76	95	43	0.64	0.45	
Unit 3 Service Yard	illumination	Lux	31.05	69	16	0.52	0.23	
Unit 4 Car Park	illumination	Lux	27.28	63	10	0.37	0.16	
Unit 4 Loading Bay	illumination	Lux	58.82	98	35	0.59	0.36	
Unit 4 Ramping	illumination	Lux	12.35	22	4	0.32	0.17	
Unit 4 Service Yard	illumination	Lux	31.03	63	14	0.45	0.22	
Unit 5 Car Park	illumination	Lux	27.72	57	9	0.39	0.16	
Unit 5 Loading Bay	illumination	Lux	45.91	84	28	0.61	0.33	
Unit 5 Perimeter	illumination	Lux	10.16	18	4	0.32	0.22	
Unit 5 Service Yard	illumination	Lux	32.66	77	14	0.43	0.18	
Unit 5 Lighting U_Col_Seg1	Obtrusive - Cd	N/A	145.83	344	46	0.32	0.13	
Obtrusive_Lt_Seg1	Obtrusive - Cd	N/A	0.00	0.00	0.00	N/A	N/A	