

Dimensions are not to be scaled from this drawing



Kingfisher Lighting

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BREEAM New Construction 2018 (UK)

D42733 Canmoor - Units A to F and 1 to 6 - Grimshaw Lane, Manchester

Colour Temperature (K)	Qty	Range	Light Source	Luminaires (Lumens/ft²)	Watts (W)	lm/W	LOK	Total Lumens	UOLK	Upward Lumens	CH	** AET Hour Per Day	** AET COF (lumens)	Watt/Room
4000	49	Quarto 2.0	7.5w LED OC	782	8	104.27	100%	38318	0.2%	0	>70	12	0.34	1609.45
4000	12	Viva City PRO	80w LED FWT/0	11040	80	138.00	100%	132480	0.0%	0	>70	12	0.88	4204.80
4000	30	Viva City PRO Flood	120w LED FLS/0 (Flood)	16780	120	139.83	100%	503400	0.0%	0	>70	12	3.31	15760.00
4000	1	Viva City PRO Flood	120w LED FWT/0 (Flood)	14002	120	116.68	100%	14002	0.0%	0	>70	12	0.11	325.80
4000	10	Viva City PRO	60w LED AY70	8884	60	147.40	100%	88840	0.0%	0	>70	12	0.55	2638.80
4000	6	Viva City PRO Flood	80w LED FWT/0 (Flood)	7001	60	116.68	100%	42006	0.0%	0	>70	12	0.33	1578.80
4000	6	Viva City PRO Flood	80w LED FLS/0 (Flood)	8390	60	139.83	100%	50340	0.0%	0	>70	12	0.33	1578.80

Units - 2011

Table 1 Compliance

Environmental Zone

Key Glow

Source Intensity (Candelas)

Pre-Curfew

Post-Curfew

Light Trespass into Windows (Lux)

Per Curfew

Post-Curfew

Building Luminance (cd/m²)

Total Installation Lumens

Total Upward Light

Total CO2 Per Year (tonnes)

Total Electric Consumption (kWh)

Total Electric Consumption Per Year (kWh)

Average Luminance Per Room (Watt)

Compliance Status

Pass

Pass

Pass

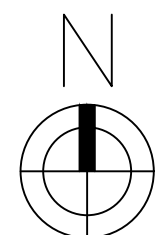
Note - HEAT in this report only applies to exterior lighting

AET - Average Day Time

Date

Luminaire Schedule					
Symbol	Qty	Label	Arrangement	LLF	Description
49	AWE	SINGLE	0.000	7.5W LED 4000K 250mA QUARTO 2.0 Emergency with OC path optic building mounted at 1.8m	
2	B	Single	0.000	80W LED 4000K VIVA-CITY PRO 805mA with FWT0 forward throw optic column mounted at 8m	
5	B2	BACK-BACK	0.000	2 x 80W LED 4000K VIVA-CITY PRO 805mA with FWT0 forward throw optic column mounted at 8m	
5	C	SINGLE	0.000	117 6w LED 4000K Viva City Flood 780mA with FLS0 Optic column mounted at 8m	
12	OW	SINGLE	0.000	117 6w LED 4000K Viva City Flood 780mA with FLS0 Optic wall mounted at 8m	
1	D	SINGLE	0.000	120W LED 4000K VIVA-CITY Flood 810mA with FWT0 forward throw optic column mounted at 8m	
10	E	SINGLE	0.000	60W LED 4000K VIVA-CITY PRO 610mA with AY70 street optic column mounted at 8m	
6	FW	SINGLE	0.000	60W LED 4000K VIVA-CITY Flood 610mA with FWT0 forward throw optic wall mounted at 8m	
6	FW	SINGLE	0.000	60W LED 4000K VIVA-CITY Flood 610mA with FLS0 flood optic wall mounted at 5m	
13	HW	Single	0.000	120W LED 4000K VIVA-CITY Flood 810mA with FLS0 flood optic wall mounted at 5m	

Calculation Summary	CalcType	Units	Avg	Max	Min	Min/Avg	Min/Max
Unit 1 Car Park	Illuminance	Lux	21.50	42	10	0.47	0.24
Unit 1 Steps	Illuminance	Lux	53.00	62	44	0.83	0.71
Unit E Ramp	Illuminance	Lux	32.20	46	17	0.53	0.37
Access Road	Illuminance	Lux	20.99	62	6	0.29	0.10
Unit 1 Loading Bays	Illuminance	Lux	209.63	268	142	0.68	0.53
Unit 1 Service Yard	Illuminance	Lux	51.91	306	13	0.25	0.04
Unit 2 Car Park	Illuminance	Lux	20.94	43	11	0.53	0.26
Unit 2 Loading Bays	Illuminance	Lux	234.25	251	218	0.93	0.87
Unit 2 Service Yard	Illuminance	Lux	48.40	290	14	0.29	0.05
Unit 3 Car Park	Illuminance	Lux	23.74	44	11	0.46	0.25
Unit 3 Loading Bays	Illuminance	Lux	240.71	279	205	0.85	0.73
Unit 3 Service Yard	Illuminance	Lux	53.03	313	14	0.26	0.04
Unit 6 Car Park	Illuminance	Lux	21.42	52	7	0.33	0.13
Unit 6 Loading Bays	Illuminance	Lux	215.69	278	195	0.49	0.38
Unit 6 Service Yard	Illuminance	Lux	44.59	307	12	0.27	0.04
Unit A & B Loading Bays	Illuminance	Lux	197.75	209	184	0.93	0.88
Unit A & B Service Area	Illuminance	Lux	113.20	211	37	0.33	0.18
Unit A Car Park	Illuminance	Lux	36.82	60	25	0.68	0.42
Unit A/F Roadway	Illuminance	Lux	13.74	28	4	0.29	0.14
Unit B Car Park	Illuminance	Lux	37.17	67	24	0.65	0.36
Unit C & D Loading Bays	Illuminance	Lux	200.00	211	181	0.91	0.86
Unit C & D Service Area	Illuminance	Lux	110.30	218	31	0.28	0.14
Unit C Car Park	Illuminance	Lux	37.00	76	23	0.62	0.30
Unit D Car Park	Illuminance	Lux	24.57	52	11	0.45	0.21
Unit E & F Loading Bays	Illuminance	Lux	185.20	208	162	0.87	0.79
Unit E & F Service Area	Illuminance	Lux	72.66	213	10	0.14	0.05
Unit E Car Park	Illuminance	Lux	19.35	32	11	0.57	0.34
Unit F Car Park	Illuminance	Lux	15.38	28	8	0.52	0.29



Grimshaw Lane, Manchester

Scale

1:800 at A1

Project Number

D42733I

Date

15 April 2024

Drawing No.

D42733/UB/I

Lighting Designer : Jamie Buck MSL



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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