

Dimensions are not to be scaled from this drawing

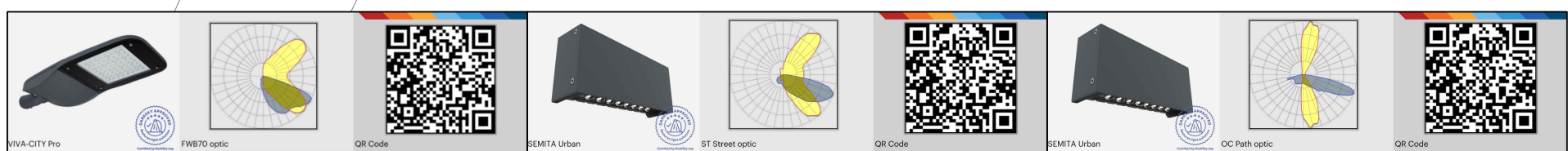


Kingfisher Lighting

Part of the Luceco PLC group of companies



Luminaire Schedule					LLF		Luminaire Lumens	
Symbol	Qty	Label	Arrangement	Description				
	2	EX1	Single	10W LED 2700K VIVA-CITY Pro 400mA with FWB70 forward throw optic column mounted at 6m.	0.900		840	
	1	EX2	Single	20W LED 2700K VIVA-CITY Pro 840mA with FWB70 forward throw optic column mounted at 6m.	0.900		1955	
	7	EX3	Single	6W LED 2700K 205mA SEMITA Urban with ST street optic building mounted at 4m.	0.900		673	
	1	EX4	Single	6W LED 2700K 205mA SEMITA Urban with OC path optic building mounted at 4m.	0.900		689	
Calculation Summary								
Label	CalcType	Units	Avg	Max	Min	Min/Avg	Min/Max	
16-18_Cd_Seg1	Obtrusive - Cd	N.A.	3.33	9	0	0.00	0.00	
16-18_Cd_Seg2	Obtrusive - Cd	N.A.	2.67	7	0	0.00	0.00	
16-18_Cd_Seg3	Obtrusive - Cd	N.A.	2.00	5	0	0.00	0.00	
16-18_Cd_Seg4	Obtrusive - Cd	N.A.	1.33	3	0	0.00	0.00	
16-18_Cd_Seg5	Obtrusive - Cd	N.A.	0.67	2	0	0.00	0.00	
16-18_II_Seg1	Obtrusive - II	Lux	0.00	0	0	N.A.	N.A.	
16-18_II_Seg2	Obtrusive - II	Lux	0.00	0	0	N.A.	N.A.	
16-18_II_Seg3	Obtrusive - II	Lux	0.00	0	0	N.A.	N.A.	
16-18_II_Seg4	Obtrusive - II	Lux	0.00	0	0	N.A.	N.A.	
16-18_II_Seg5	Obtrusive - II	Lux	0.00	0	0	N.A.	N.A.	
20-22_Cd_Seg1	Obtrusive - Cd	N.A.	2.33	6	0	0.00	0.00	
20-22_II_Seg1	Obtrusive - II	Lux	0.00	0	0	N.A.	N.A.	
Bike Store Top Entrance	Illuminance	Lux	10.00	13	8	0.80	0.62	
Bin Store	Illuminance	Lux	6.78	11	3	0.44	0.27	
Bottom bike store	Illuminance	Lux	10.95	14	6	0.55	0.43	
Car Park	Illuminance	Lux	8.32	23.4	2.3	0.28	0.10	
ISO	Illuminance	Lux	1.03	25	0	0.00	0.00	
Pathway	Illuminance	Lux	9.31	15	3	0.32	0.20	
Top Entrance	Illuminance	Lux	9.75	13	7	0.72	0.54	



DEVONSHIRE STREET

COVERDALE CRESCENT

POLEBROOK AVENUE

El Sub Sta

Tesito House

BREEAM®

B-Mark Approved (27/09/2022)	Luminaire Image	Qty	Luminaire	Light Source	Watts (W)	Luminaire Lumens (lm)	lm/W	LOR	Total Lumens	LOR	Upward Lumens	Downward Lumens (lm)	L-Value	B-Value	Noted (lm/m²)	CBI	Beam Angle	Site Glow Effect	Glow Effect	Source Intensity (cd/1000lm)	Night Intensity (cd/1000lm)	COP Calculation Per A Year	COP (lm/m²)	lm/foot
		2	VIVA-CITY Pro	vcp - 10w LED FWB70	10.0	840	84.00	100%	1682	0.0%	0	2700	180	820	100,000	170	62.5°	Minimum	Some	15	n/a	12	0.02	87.60
		1	VIVA-CITY Pro	vcp - 20w LED FWB70	20.0	1955	97.75	100%	1955	0.0%	0	2700	180	820	100,000	170	62.5°	Minimum	Some	17	n/a	12	0.02	87.60
		7	SEMITA Urban	smu - 6w LED ST	6.0	744	124.00	100%	5208	0.0%	0	2700	180	810	100,000	170	87.5°	Minimum	Some	244	n/a	12	0.04	283.36
		1	SEMITA Urban	smu - 6w LED OC	6.0	762	127.00	100%	762	0.0%	0	2700	180	810	100,000	170	70°	Minimum	Some	337	n/a	12	0.02	26.28

BREEM Summary

GN01 - 2021

** Environmental Zone to be confirmed by assessor **

Environmental Zone

E3

Upward Light Ratio (ULR) - Table 6

Target

Achieved

Status

0.0%

0.0%

Pass

Note - Not a BREEM requirement for Cut-Off Lanterns (See POLA Assessment Criteria above)

Table 2 - Assess Intensity (Candelas)

Pre-Cut-Off - A₀ > 0.3

0,000

Pass

Pre-Cut-Off - A₀ > 0.5

1,000

Pass

Table 3 - Light Trespass Into Windows (Lux)

Pre-Cut-Off

30

Pass

Pre-Cut-Off

30

Pass

Compliance Status Summary

Poi 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

→ A01 - Beverage Room Tents

Total Installation Lumens

9617

Total Upward Light

0.0%

Total CO2 Per Year (Tonnes)

0

Total Electric Consumption (kWh)

0

Total Electric Consumption Per Year (kWh)

385

Average Luminaire Lumens Per Circuit Watt

109