

Part of the Luceco PLC group of companies 

Kingfisher Lighting

Part of the Luceco PLC group of companies

Qty	Range	Light Source	Lamp Lumens	Circuit Watts	LeWw	LOR	Luminaire Lumens	GLOR	Upward Lum.	BA	ARI Foot Per Day	CP Calculated for year	CP Estimated for year
												\$/hour	\$/hour
2	Viva City PRO	90w LED F70	8844	60	147.03	300.0%	14888	0.2%	0	70	12	0.29	52.80
4	Viva City PRO	80w LED F70	11040	80	187.40	300.0%	26000	0.2%	0	70	12	0.76	140.60
1	Quartz	150w LED F70	15130	120	232.70	300.0%	43000	0.2%	0	70	12	1.15	207.40
6	Quartz	70w LED F70	3420	20	37.73	300.0%	20000	0.2%	0	60	12	3.16	60.70
11	Quartz LED	115w LED T 086	1463	14	157.00	300.0%	10581	0.2%	0	70	12	0.35	66.41
1	Viva City PRO	80w LED F70	11040	80	187.40	300.0%	26000	0.2%	0	70	12	0.76	140.60

Qty	Range	Light Source	Lamp Lumens	Circuit Watts	LowW	LOR	Luminaire Lumens	GLOR	Upward Lum.	BA	ARI Foot Per Day	CP Calculated for year	CP Estimated for year
												\$/hour	\$/hour
2	Viva City PRO	90w LED F70	8844	60	147.0	100.0%	14888	0.2%	0	70	12	0.29	52.80
4	Viva City PRO	80w LED F70	11040	80	187.0	100.0%	17600	0.2%	0	70	12	0.76	140.60
1	Quartz	150w LED F70	15132	100	210.0	100.0%	23520	0.2%	0	70	12	1.15	207.40
6	Quartz	70w LED F70	3420	20	37.0	100.0%	2000	0.2%	0	60	12	3.16	60.70
11	Quartz LED	115w LED T 506	1463	14	17.0	100.0%	10581	0.2%	0	70	12	0.35	66.41
1	Viva City PRO	90w LED F70	8844	60	147.0	100.0%	14888	0.2%	0	70	12	0.29	52.80

Total Installation Lumsens	373021.00	Total ULR	0.00%
----------------------------	-----------	-----------	-------

Table 1 compliance					
Environmental score	83			Total CO ₂ per year (tonnes)	6.96
Key Score	Target	Achieved	Status	Total Electrical consumption (kWh)	8.29
	5.00%	0.00%	Pass	Total Electrical consumption per year (kWh)	14,008.45
Source Intensity (standard)				Average Intensity (kWh per sqm) (Watt)	136.25
Pre outline	11.000		Pass	Note - we have not been able to calculate this as no housing is shown on the drawing	
Post outline	1.000		Pass		
Light Transmittance into windows (LVT)				Note - we have not been able to calculate this as no housing is shown on the drawing	
Pre outline	30		Pass		
Post outline	2		Pass	Note - we have not been able to calculate this as no housing is shown on the drawing	
Building Envelope (other)	30				
Compliance Status					
Pre SD	Reduction of right time light pollution		Pass		
Pre SD	Energy efficient external lighting		Pass		
Pre SD	Internal and external lighting controls		Pass		

Note - HSRD in this report only applies to a selected lighting

Kingfisher Lighting Ltd
Ratcliffe Way, Crown Farm Business Park
Mansfield, Nottinghamshire
NG19 0FS

Part of the Luceco plc group of companies 

T: +44 (0)1623 415900
E: sales@kingfisherlighting.com
W: www.kingfisherlighting.com

VAT No. 509145848 Company No. 2236337

Part of the Luceco plc group of companies

Scale	Project Number
-------	----------------

Date	Drawing No.
------	-------------

24 September 2020	D40904/RD/A
----------------------	-------------

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.

Luminaire Schedule					
Symbol	Qty	Label	Arrangement	Description	Lum. Lumens
	2	A	SINGLE	60w LED Viva City Pro 4000k 600mA with FW70 Optic column mounted at 6m.	8739
	4	A2	SINGLE	80w LED Viva City Pro 4000k 800mA with FW70 Optic column mounted at 6m.	11015
	3	B	SINGLE	160w LED Zactis Floodlight with FW70 Optic column mounted at 8m.	21926
	6	B2W	SINGLE	250w LED Zactis Floodlight with FW70 Optic building mounted at 8m.	34260
	11	C	SINGLE	13.5w LED Quarto 2.0 bulkhead with street optic building mounted at 8m.	1453
	1	DW	SINGLE	180w LED Viva City Pro 4000k 880mA with AY70 Optic building mounted at 8m.	22518

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Mini/Avg	Mini/Max
Building Perimeter	Illuminance	Lux	29.55	77	9	0.30	0.12
Car Park	Illuminance	Lux	20.16	44	10	0.50	0.23
Entrance Road	Illuminance	Lux	17.68	40	8	0.45	0.20
Exit Road	Illuminance	Lux	22.85	36	10	0.44	0.28
Service Yard	Illuminance	Lux	38.96	84	16	0.41	0.19

