

Dimensions are not to be scaled from this drawing



Kingfisher Lighting

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BREEAM New Construction 2018 (UK)

Qty	Range	Light Source	Lamp Lumens	Circuit Watts	Lm/W	LOR	Luminaire Lumens	ULOR	Upward Lumens	RA	ART Hour Per Day	CO2 Calculation for year
36	Viva City PRO	60w LED FW70	8760	60	146.00	300.0%	340700	0.0%	0	70	12	0.97 4204.80
9	Quattro	250w LED FLS60	36000	250	144.00	300.0%	324000	0.0%	0	60	12	2.38 9855.00
7	Quattro	120w LED FW70	17145	125	137.00	300.0%	159875	0.0%	0	60	12	0.88 3633.50
21	Quattro LED	7.5w LED OC Optic	743	6	98.07	300.0%	55693	0.0%	0	70	12	0.16 669.85

Total Installation Lumens	604138.00	Total ULR	0.00%
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Table 1 compliance

Environmental zone	E3
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Sky Glow	Target	Achieved	Status
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Source Intensity (candelas)	10,000	Pass
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Pre-curtain	1,000	Pass
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Light Trespass into windows (Lux)	10	Pass
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Post-curtain	2	Pass
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Building Luminance (cd/m²)	10	Pass
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Compliance Status:		
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Plan 04	Reduction of night time light pollution	Pass
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Plan 03	Energy efficient external lighting	Pass
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Plan 01	Internal and external lighting levels	Pass
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Note - H&M in this report only applies to exterior lighting

Total CO2 per year (tonnes)	4.29
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Total Electrical consumption (kWh)	4.24
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Total Electrical consumption per year (kWh)	16,882.16
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Average luminance lumens per circuit Watt	142.40
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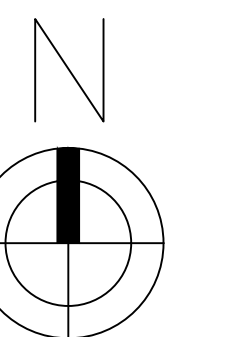
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For our LED lighting designs a 0.9m has been used. If this differs from the maintenance period for this project then you must advise us accordingly

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.