

Luminaire Schedule								
Symbol	Qty	Label	Arrangement	Description				Lum. Lumens
	4	A	SINGLE	15w LED 4000k Viva City Pro 320mA with Internal Spill Shield AYB70 Optic column mounted at 5m.				1341
Calculation Summary								
Label	CalcType	Units	Avg	Max	Min	Min/Avg	Min/Max	
Roadway	Illuminance	Lux	5.41	10.1	1.9	0.35	0.19	





Kingfisher Lighting

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BREEAM New Construction 2018 (UK)



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Qty	Range	Light Source	Lamp Lumens	Circuit Watts	Lum/W	LOR	Luminaire Lumens	ULOR	Upward Lum	RA	ART Hour Per Day	COF Calculation for year
4	Viva City P80	15w LED AYB70	1341	15	89.40	100.0%	5364	0.0%	0	70	12	COF (Tonnes) 0.06 Kwh/Year 262.80

Total Installation Lumens	5364.00	Total ULR	0.00%
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Table 1 compliance

Environmental zone	E3		
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Total COF per year (Tonnes)	0.06
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Sky Glow	Target	Achieved	Status
	0.00%	0.00%	Pass

Total Electrical consumption (Kwh)	0.06
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Source Intensity (candelas)	Pre curve	Post curve	Status
	10,000	1,000	Pass

Note: we have not been able to calculate this as no housing is shown on the drawing

Total Electrical consumption per year (Kwh)	262.80
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Light Trespass into windows (lx)	Pre curve	Post curve	Status
	10	2	Pass

Note: we have not been able to calculate this as no housing is shown on the drawing

Average luminance lumens per circuit Watt	89.40
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Building Luminance (cd/m²)	Pre curve	Post curve	Status
	10	2	Pass

Note: we have assumed no things will be left on Post curve

Compliance Status:		
Pre D1	Reduction of night time light pollution	Pass
Pre D2	Energy efficient external lighting	Pass
Pre D3	Internal and external lighting levels	Pass

Note: HEART in this report only applies to exterior lighting

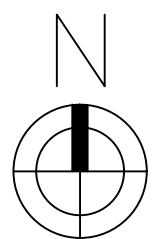
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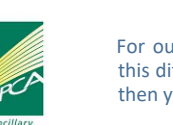


VAT No. 509145848 Company No. 2236337



High Lane - Brown Edge

Scale	Project Number
1:200 at A1	D44320



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

Date	Drawing No.
12 October 2021	D44320/RD/A

Lighting Designer : Robert Dagley

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.

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