





Luminaire Schedule					Lum. Lumens	LLF
Symbol	Qty	Label	Arrangement	Description	797	0.900
	27	EX1	SINGLE	7.5w LED 3000K Quarto 2.0 250mA bulbhead with street optic building mounted at 2.5m.	1140	0.900
	17	EX2	SINGLE	16w LED 3000K 525mA OSLO with SP40 distribution column mounted at 8m, 7.9m & 7.8m.		
Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Min/Avg
Park Area	Illuminance	Lux	19.40	37	7	0.36
Perimeter Pathways	Illuminance	Lux	11.33	42	3	0.26



QUARTO 2.0



ST Street Optic



QR Code



Kingfisher Lighting

Part of the Luceco PLC group of companies **LUCECO**



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BREEAM New Construction 2018 (UK)

47186 Hayes Town Centre

Colour Temperature (K)	Qty	Range	Light Source	Luminaire Lumens (lm)	Watts (W)	Lm/W	LOR	Total Lumens	UOLR	Upward Lumens	CH	** ART Hour Per Day	cc² (Tonnes)	Kwh/Year
3000	27	Quarto 2.0	7.5w LED ST	695	8	92.67	100%	18765	0.0%	0	>70	12	0.19	886.95
3000	17	Oslo	16w LED	1140	16	71.25	100%	19380	0.0%	0	>70	12	0.25	1191.36

GN01 - 2011

Table 1 Compliance

Environmental Zone E3

sky glow	Target	Achieved	Status
	0.00%	0.00%	Pass

Source Intensity (Candelas)

Pre Cutflow	10,000	Pass	Note - we have not been able to calculate this as no housing is shown on the drawing
Post Cutflow	1,000	Pass	Note - we have not been able to calculate this as no housing is shown on the drawing

Light Trespass into Windows (Lux)

Pre Cutflow	10	Pass	Note - we have not been able to calculate this as no housing is shown on the drawing
Post Cutflow	2	Pass	Note - we have not been able to calculate this as no housing is shown on the drawing

Building Luminance (cd/m²)

	10	Pass	
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Total Installation Lumens 38545.00

Total Upward Light 0.00%

Total CO2 Per Year (Tonnes) 0.44

Total Electric Consumption (kwh) 0.47

Total Electric Consumption Per Year (kwh) 2078.11

Average Luminaire Lumens Per Circuit Watt 80.39

Compliance Status

Part 04 Reduction Of Night Time Light Pollution Pass

Env 03 Energy Efficient External Lighting Pass

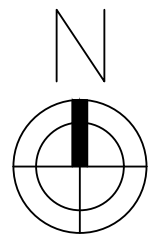
Hea 01 Internal And External Lighting Levels Pass

Note - HEA01 in this report only applies to exterior lighting

\*\* ART - (Average Run Time)

Date 10/07/2025

A1



Hayes Town Centre

Scale

1:200 at A1

Project Number

D47186F - MAIN BUILDING



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

10 July 2025

Drawing No.

D47186/RD/F

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.