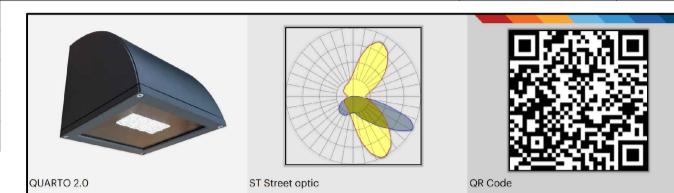


Dimensions are not to be scaled from this drawing

Symbol	Qty	Label	Arrangement	Description	Lum. Lumens	LLF
27		EX1	SINGLE	7.5w LED 3000k Quarto 2.0 250mA bulkhead with street optic building mounted at 2.5m.	797	0.900
26		EX2	SINGLE	16w LED 3000k 525mA OSLO with SP40 distribution column mounted at 8m, 7.9m & 7.8m.	1140	0.900
Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Min/Avg
Bottom Roadway	Illuminance	Lux	19.43	35	6	0.31
Park Area	Illuminance	Lux	21.03	50	7	0.33
Perimeter Pathways	Illuminance	Lux	12.19	42	4	0.33
						0.10



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BREEAM New Construction 2018 (UK)

47186 Hayes Town Centre

Colour Temperature (K)	Qty	Range	Light Source	Luminous lumens (lm)	Watts (W)	lm/W	IR	Total Lumens	UER	Upward Lumens	CR	CO <sub>2</sub> (tonnes)	kw/hour	
3000	27	Quarto 2.0	7.5w LED ST	695	8	82.67	100%	18765	0.0%	0	>70	12	0.19	866.95
3000	26	Oslo	16w LED	1140	16	71.25	100%	29640	0.0%	0	>70	12	0.38	1822.08
CO <sub>2</sub> Calculation For A Year														
Total Installation Lumens 46690.00 Total Upward Light 0.00%														
Total CO <sub>2</sub> Per Year (tonnes) 0.57														
Total Electric Consumption (kWh) 0.62														
Total Electric Consumption Per Year (kWh) 2799.61														
Average Luminous Lumens Per Circuit Watt 78.26														
Compliance Status														
Line 01 Internal & External Lighting Pass														
Line 02 Internal And External Lighting Levels Pass														
Note - HEA in this report only applies to exterior lighting														
* ART = Average Run Time														
Date 23/04/2023														

Hayes Town Centre



Scale 1:200 at A1	Project Number D47186E - MAIN BUILDING
Date 24 March 2025	Drawing No. D47186/RH/E
Lighting Designer : Rebecca Houchin	

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