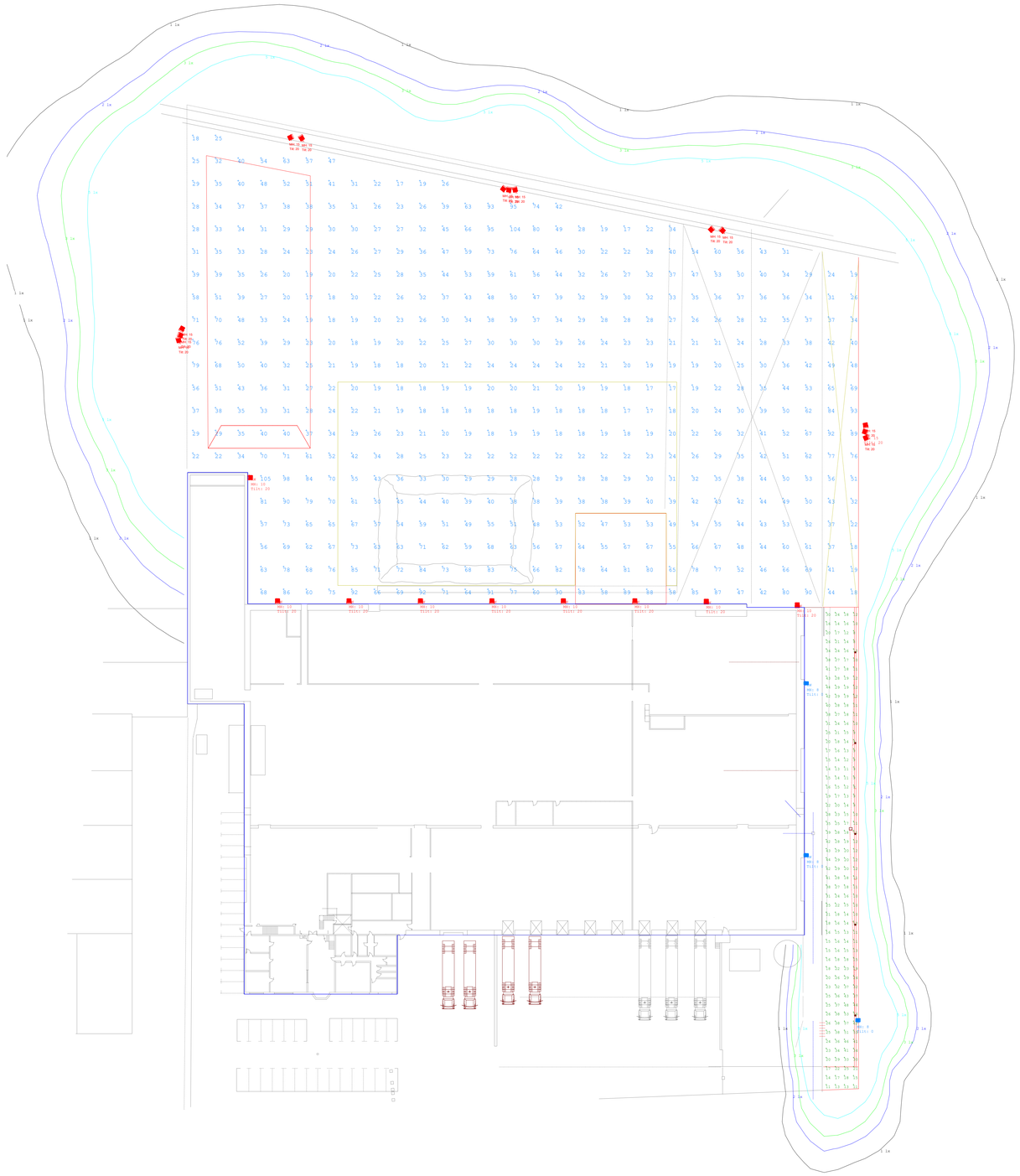
Dimensions are not to be scaled from this drawing



Kingfisher Lighting

Part of the Luceco PLC group of companies LUCECO

Luminaire Schedule

Symbol	Qty	Label	Arrangement	LLF	Description
	13	A	SINGLE	0.900	250w LED 4000k Zactis 645mA Floodlight with FL50 Optic column mounted at 15m
	9	AW	SINGLE	0.900	250w LED 4000k Zactis 645mA Floodlight with FL50 Optic wall mounted at 10m
	1	B	SINGLE	0.900	117,6w LED 4000k Viva City Flood 780mA with AY70 Optic column mounted at 8m
	2	BW	SINGLE	0.900	117,6w LED 4000k Viva City Flood 780mA with AY70 Optic wall mounted at 8m

Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Uniformity	Diversity
Access Road	Illuminance	Lux	22.23	62	8	0.36	0.13
Yard	Illuminance	Lux	41.55	105	17	0.41	0.16

BREEAM New Construction 2018 (UK)

Kingfisher Lighting

Part of the LUCECO group of companies

48663	Washway Road - Holbeach PE12 8LT - JZ Flowers Ltd.

CO^2 Calculation For A Year

	Colour Temperature (K)	Qty	Range	Light Source	Luminaire Lumens (lm)	Watts (W)	Lm/W	LOR	Total Lumens	ULOR	Upward Lumens	CRI	*** ARE Hour Per Day	CO^2 (Tonnes)	Km/Hour
	4000	22	Zactis	250w LED FL50	36500	250	146.00	100%	803000	0.6%	0	>70	12	5.06	24990.00
	4000	3	Viva City FRD Flood	120w LED AY70	17028	120	142.17	100%	51084	0.6%	0	>70	12	0.13	1170.80

SLL/CIBSE LG7				Total Installation Lumens	854019.00
Table 5 Compliance				Total Upward Light	0.06%
Environmental Zone	E3			Total CO2 Per Year (Tonnes)	5.19
Sky Glow	Target	Achieved	Status	Total Electric Consumption (Kw)	5.95
	5.00%	0.00%	Pass	Total Electric Consumption Per Year (Kwh)	25060.80
Source Intensity (Candelas)				Average Luminaire Lumens Per Circuit Watt	146.46
Ims Curfew	10,000		Pass		
Post Curfew	1,000		Pass		
Light Trespass into Windows (Lux)					
Ims Curfew	10		Pass		
Post Curfew	2		Pass		
Building Luminance (cd/m²)	10		Pass		

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

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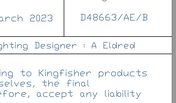
Compliance Status		
Ind 06	Reduction Of Night Time Light Pollution	Pass
Lna 03	Energy Efficient External Lighting	Pass
Hea 01	Internal And External Lighting Levels	Pass

Note - HEA01 to this report only applies to exterior lighting
* ART = (Average Run Time)

Date 10/03/2023



drawing Number HBLP1

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Washway Road - Holbeach PE12 8LT - JZ Flowers Ltd.	Scale 1:400 at A0	Project Number D48663B
	Date 10 March 2023	Drawing No. D48663/AE/B
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	Lighting Designer : A Eldred	

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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