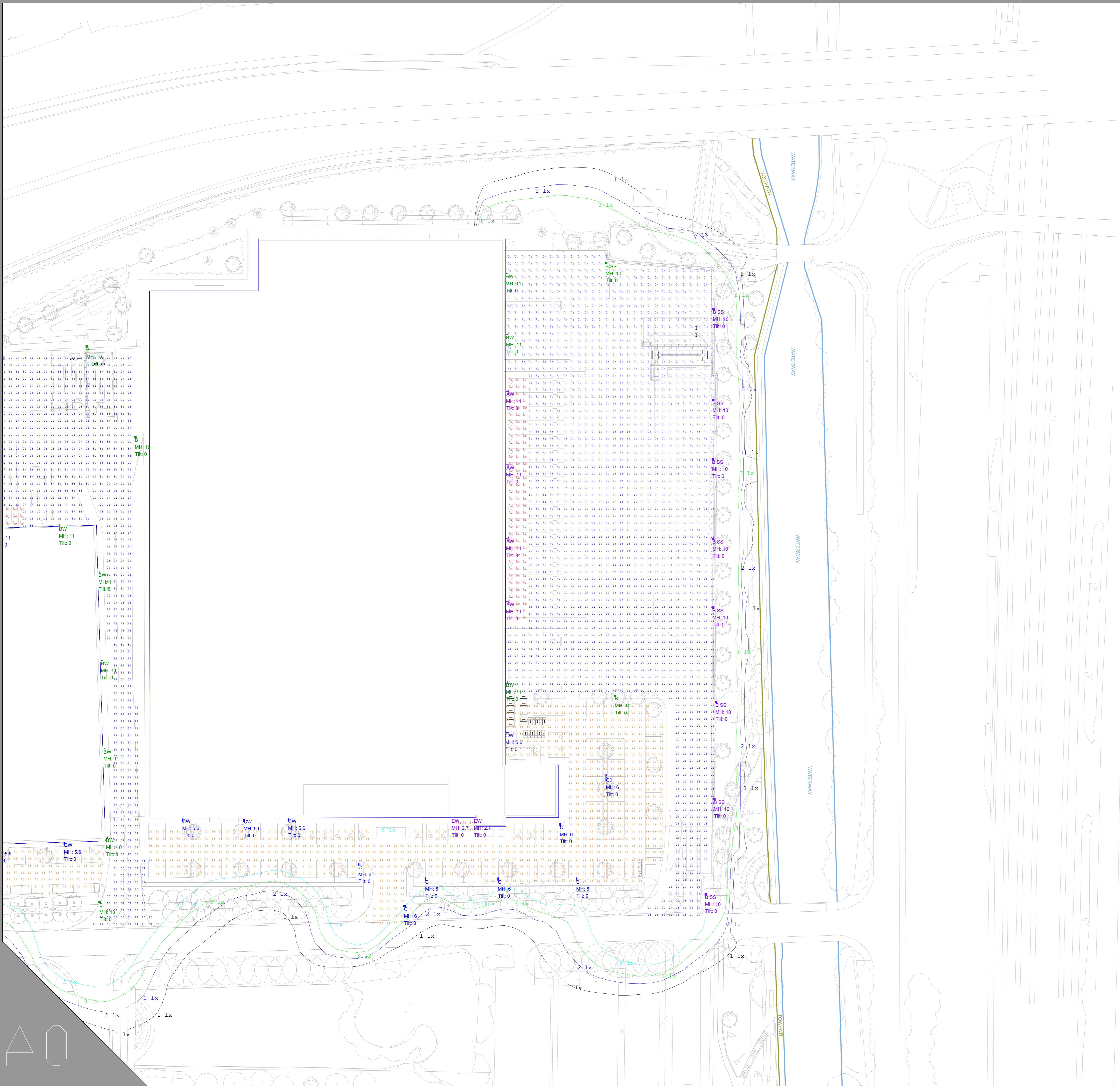


Dimensions are not to be scaled from this drawing



Kingfisher Lighting

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



Luminaires Schedule									
Symbol	Qty	Label	Arrangement	Total Lamp Lumens	Description				
1	1	AW	SINGLE	3000	0.900	18W LED 4000K Zaxis 64lm/W Floodlight with FW70 Optic wall mounted at 10m			
2	8	B SS	SINGLE	22800	0.900	18W LED 4000K Zaxis 80lm/W Floodlight with FW70 Optic column mounted at 10m			
3	3	BW	SINGLE	22800	0.900	18W LED 4000K Zaxis 80lm/W Floodlight with FW70 Optic column mounted at 10m			
4	1	C	SINGLE	2480	0.900	40W LED 4000K Viva City Pro 80lm/W with FW70 Optic column mounted at 6m			
5	1	C2	BACK-BACK	5880	0.900	2x 40W LED 4000K Viva City Pro 80lm/W with FW70 Optic column mounted at 6m			
6	4	CW	SINGLE	5880	0.900	40W LED 4000K Viva City Pro 80lm/W with FW70 Optic wall mounted at 6m			
7	2	EW	SINGLE	3000	0.900	24W 4000K LED Semira Urban bollard with flood optic wall mounted at 6 & 3.5m			

Calculation Summary									
Label	CalcType	Units	Avg	Max	Min	MinAvg	Max		
Unit 1 Car Park	Illuminance	Lux	18.62	46	5	0.27	0.11		
Unit 1 Entrance	Illuminance	Lux	81.33	114	57	0.78	0.50		
Unit 1 Loading Bays	Illuminance	Lux	53.37	63	40	0.66	0.43		
Unit 1 Service Yard	Illuminance	Lux	31.02	64	13	0.42	0.20		

#### BREEAM New Construction 2018 (UK)

Prologis, Iron Bridge Road, Stockley Park West, Hayes Unit 1 - Former GSK

Category	Range	Light source	Lamp Lumens	Circuit Watts	Lev/W	LOR	Lumens	ULOR	Upward Lumens	RA	ART Hour (W)	DPF Calculation for year	
4	4x	20W LED FW70	30880	250	143.34	300.0%	343144	0.000	0	80	12	1.00	43800.00
13	13x	18W LED FW70	21960	360	145.00	300.0%	294600	0.000	0	80	12	2.10	91304.00
15	15x	40W PRO	30000	360	145.00	300.0%	360000	0.000	0	80	12	2.10	108000.00
2	2x	30W LED Optic	30000	30	100.00	300.0%	300000	0.000	0	70	12	0.06	200.80

Total Installation Lumens: 616344.00 Total ULR: 0.95

Table 1: Compliance

Environmental zone: C3

Sky Glare: Target: 0.000 Achieved: 0.000 Pass: Pass

Source Intensity (andles):

Fire surface: 30,000 Pass: Pass

Fire surface: 1,000 Pass: Pass

Light trespass (lx windows & sun):

Fire surface: 30 Pass: Pass Note: we have not been able to calculate this as no lighting is shown on the drawing

Fire surface: 2 Pass: Pass Note: we have not been able to calculate this as no lighting is shown on the drawing

Building Luminescence (lxm): 30 Pass: Pass Note: we have not been able to calculate this as no lighting is shown on the drawing

Compliance Status:

Pass: Blockage of night time light pollution Pass: Pass

Pass: Energy efficient remote lighting Pass: Pass

Note: - This is a report only applies to exterior lighting



Prologis, Iron Bridge Road, Stockley Park West, Hayes Unit 1 & 2 - Former GSK

Scale	Project Number
1:400 at A0	D43476G - LUX SPILL
Date	Drawing No.
26 January 2023	D43476/AE7G

Lighting Designer : A Eldred

For our LED lighting designs a 0.900 has been used. If this affects 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 endeavour 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.