

Dimensions are not to be scaled from this drawing

Luminaire Schedule	City	Label	Arrangement	Description	Lum. Lumens
4	A	SINGLE	20.5w LED 4000K (1 module) 525mA Italo 1 with STE-M Optic column mounted at 6m.	2610	
17	BE	SINGLE	6w LED 4000K Semita Urban bulkhead with cycle optic + Comfort Glass building mounted at 4m.	738	
18	C	SINGLE	17.5w LED 4000K (Deco 2.0) 1m high bollard	700	
7	Existing	SINGLE	20.5w LED 4000K (1 module) 525mA Italo 1 with STE-M Optic column mounted at 6m.	2610	

Calculation Summary	Label	CalcType	Units	Avg	Max	Min	Min/Avg	Min/Max
Building Walkway	1	ILLUMINANCE	Lux	11.26	14	7	0.62	0.50
Pathway	1	ILLUMINANCE	Lux	16.33	33	5	0.31	0.15
Roadway/Highway	1	ILLUMINANCE	Lux	18.90	36	6	0.32	0.17
Top Building Footcandle	1	ILLUMINANCE	Lux	12.86	29	4	0.31	0.14



Kingfisher Lighting

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BREEAM New Construction 2018 (UK)



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City	Range	Light Source	Lamp Lumens	Circuit Watts	LowW	LOR	Luminaire Lumens	UCLOR	Upward Lumens	RA	REI (hour per Day)	CCP Calculation for year
11	Italo 1	STE-M 525mA 1 Module	2610	21	129.44	100.0%	2700	0.0%	0	20	12	0.23
17	Semita Urban	6w LED Comfort OC Optic	738	6	122.00	100.0%	1246	0.0%	0	20	12	0.20
18	Deco 2.0 LED	17.5w LED	847	8	112.93	100.0%	1246	13.8%	2104	90	12	0.24

Total Installation Lumens 55482.00 Total UCL 3.80%

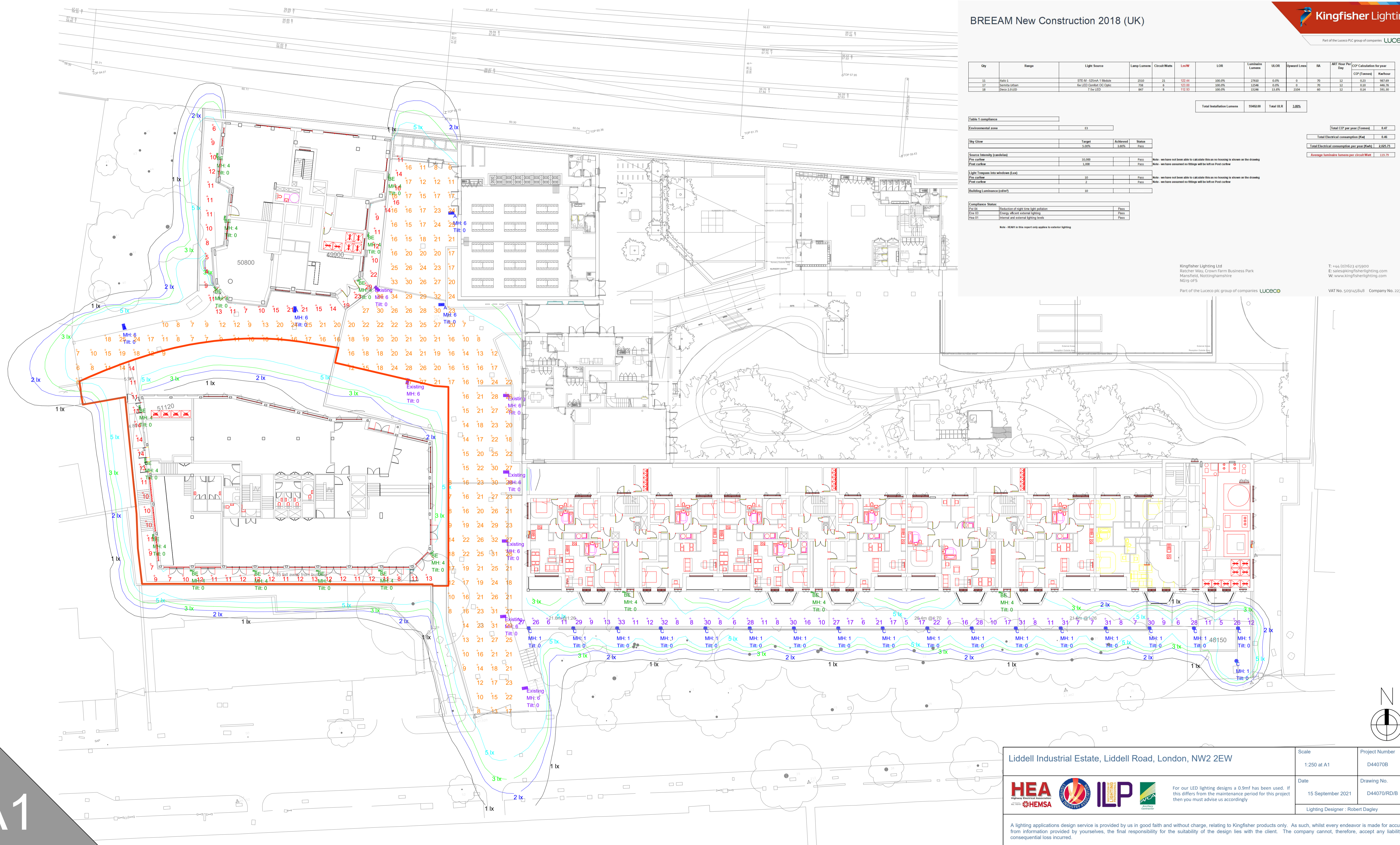
Table 1 compliance	Target	Achieved	Status
Environmental zone	E3		Pass
Sky Glow	3.00%	3.00%	Pass
Source Intensity (candelas)	10,000		Pass
Post-curb	3,000		Pass
Light Trespass into windows (E/c)	10		Pass
Pre-curb	2		Pass
Building Luminaire (cd/m²)	10		Pass
Compliance Status			Pass
Site 01	Reduction of night time light pollution		Pass
Site 02	Energy efficient exterior lighting		Pass
Site 03	Internal and external lighting levels		Pass

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WAT No. 509145/6-8 Company No. 2235337



A1

Liddell Industrial Estate, Liddell Road, London, NW2 2EW

Scale: 1:250 at A1 Project Number: D44070B

Date: 15 September 2021 Drawing No.: D44070/RD/B

Lighting Designer: Robert Dagley

HEA **HEMSA** **ILP**

For our LED lighting designs a 0.9m has been used. If this differs from the maintenance period for this project then you must advise us accordingly

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