

Dimensions are not to be scaled from this drawing



Kingfisher Lighting

Part of the LUCECO PLC group of companies LUCECO



BREEAM New Construction 2018 (UK)

D50898 Station Road, Skelmanthorpe S38

Colour Temperature (K)	Qty	Range	Light Source	Luminaire Lumens (lm)	Watts (W)	lm/W	LOH	Total Lumens	UOLH	Upward Lumens	CR	** ART Hour Per Day	CO ₂ (Tonnes)	Kwh/Year
4000	3	I-Tron Zero	S05 - 1 Module 60mA	1680	12	141.18	100%	5040	0.0%	0	>70	12	0.03	156.37
4000	1	I-Tron Zero	SV - 1 Module 60mA	1710	12	143.70	100%	1710	0.0%	0	>70	12	0.01	52.52

EN05 - 2011

Table 1 Compliance

Environmental Zone	Target	Achieved	Status
Environmental Zone	E3	E3	Pass
Sky Glow	5.00%	0.00%	Pass
Source Intensity (Candelas)			
Pre Curfew	10,000	210	Pass
Post Curfew	3,000	210	Pass
Light Trespass into Windows (lux)			
Pre Curfew	10	1	Pass
Post Curfew	3	1	Pass
Building Luminance (cd/m ²)	10		Pass

Total Installation Lumens = 6750.00 Total Upward Light = 0.00%

Total CO₂ Per Year (Tonnes) = 0.04

Total Electric Consumption (Kwh) = 0.05

Total Electric Consumption Per Year (Kwh) = 208.49

Average Luminaire Lumens Per Circuit Watt = 141.81

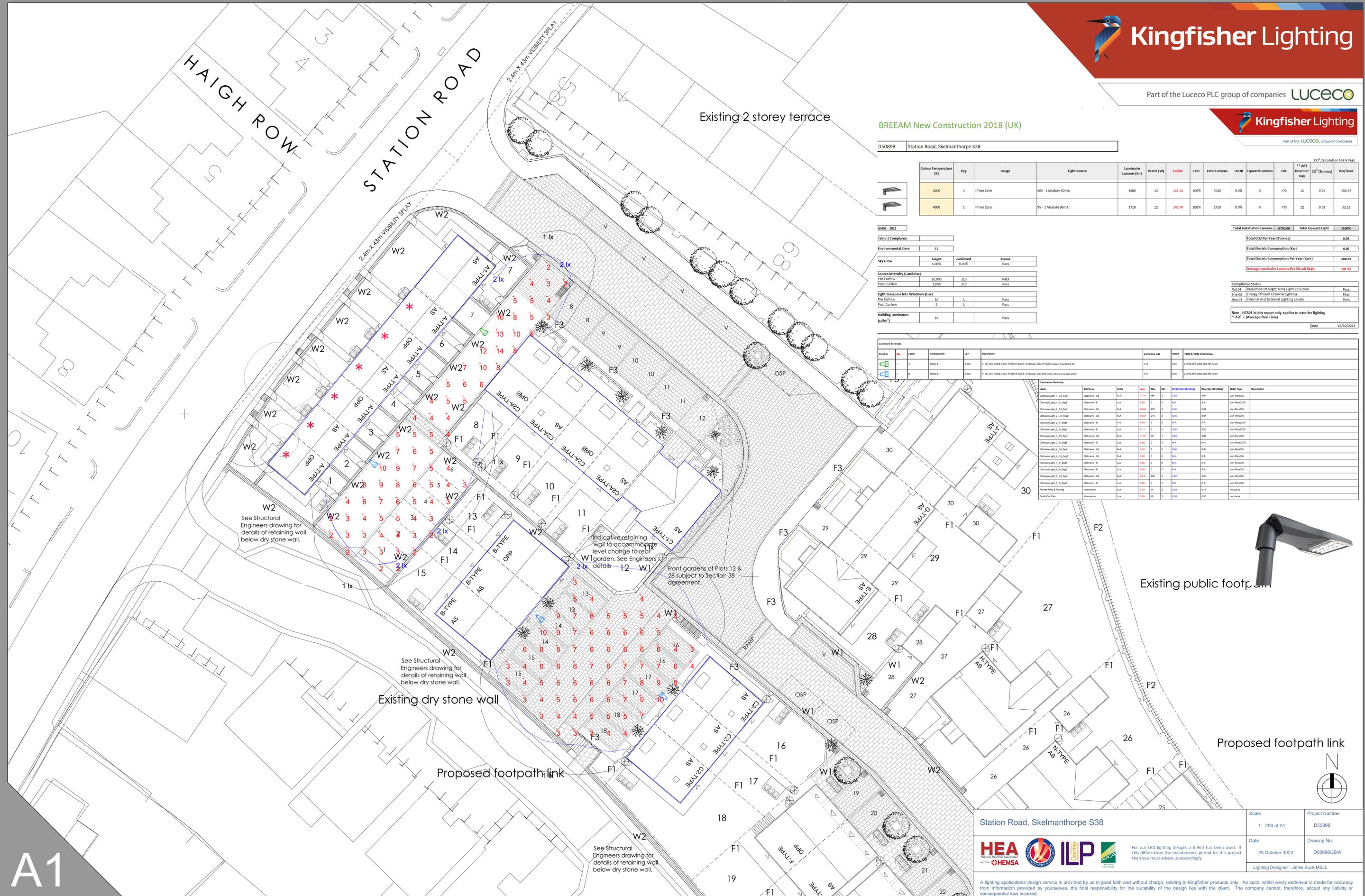
Compliance Status

Part 04 - Reduction of Night Time Light Pollution	Pass
Part 03 - Energy Efficient External Lighting	Pass
Part 01 - Internal And External Lighting Levels	Pass

Note: HEAT in this report only applies to exterior lighting
 ** ART = (Average Run Time)
 Date: 25/10/2023

System	Qty	Label	Arrangement	LF	Description	Luminaire Lm	UOLH	TMS & TMS Information
AS	1	AS	EMULS	1.800	11 Bay LED 400W x 1.7m PSE/TH 60mA (13 Modules with 5V Opto columns mounted at 6m)	144	0.00	L:1780 R:1400 0.00:16:19:20
AS	1	AS	EMULS	1.800	11 Bay LED 400W x 1.7m PSE/TH 60mA (13 Modules with 5V Opto columns mounted at 6m)	144	0.00	L:1780 R:1400 0.00:16:19:20

Label	CalcType	Units	Max	Min	Stability (Min/Max)	Diversity (Min/Max)	Mount Type	Description
ObservLight_1_Cd_Sep	Observation - Cd	cd	27.77	1.88	2	0.01	Vertical	Vertical Pole
ObservLight_1_R_Sep	Observation - R	cd	2.00	0	N/A	N/A	Vertical	Vertical Pole
ObservLight_2_Cd_Sep	Observation - Cd	cd	88.00	2.07	3	0.02	Vertical	Vertical Pole
ObservLight_2_R_Sep	Observation - R	cd	88.00	2.07	3	0.02	Vertical	Vertical Pole
ObservLight_3_Cd_Sep	Observation - Cd	cd	11.07	1.01	1	0.02	Vertical	Vertical Pole
ObservLight_3_R_Sep	Observation - R	cd	0.00	0	N/A	N/A	Vertical	Vertical Pole
ObservLight_4_Cd_Sep	Observation - Cd	cd	0.26	0	0.00	0.00	Vertical	Vertical Pole
ObservLight_4_R_Sep	Observation - R	cd	0.00	0	N/A	N/A	Vertical	Vertical Pole
ObservLight_5_Cd_Sep	Observation - Cd	cd	0.00	0	N/A	N/A	Vertical	Vertical Pole
ObservLight_5_R_Sep	Observation - R	cd	0.00	0	N/A	N/A	Vertical	Vertical Pole
ObservLight_6_Cd_Sep	Observation - Cd	cd	24.41	2.05	0	0.00	Vertical	Vertical Pole
ObservLight_6_R_Sep	Observation - R	cd	0.00	0	N/A	N/A	Vertical	Vertical Pole
Private Road & Parking	Horizontal	lx	0.20	14	2	0.14	Horizontal	Horizontal
Book Car Park	Horizontal	lx	0.00	10	2	0.00	Horizontal	Horizontal



Existing public footpath

Proposed footpath link



A1

Station Road, Skelmanthorpe S38

Scale: 1: 200 at A1 | Project Number: D50898

Date: 25 October 2023 | Drawing No.: D50898/UB/A

Lighting Designer: Jamie Buck MSL

HEA HEMSA ILLP

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

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.