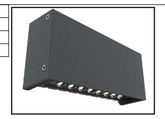
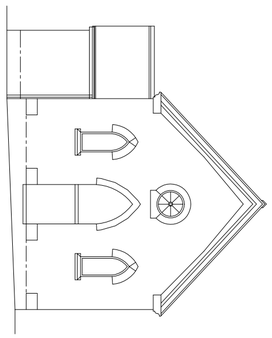
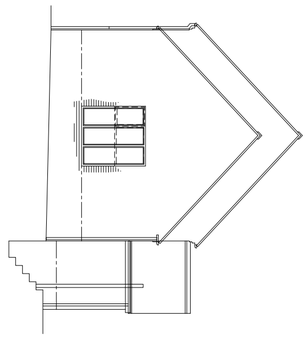
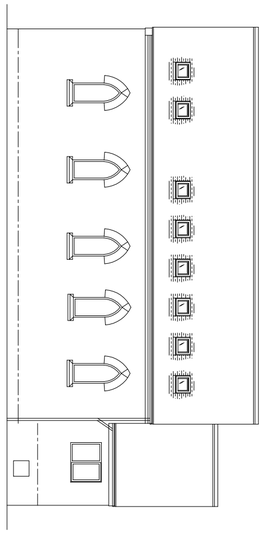
Luminaire Schedule						
Symbol	Qty	Label	Arrangement	Description	Lum. Lumens	LLF
	7	EX1	SINGLE	6w LED 2700k Semita Urban bulkhead with street optic building mounted at various heights.	673	0.900
	1	EX2	SINGLE	6w LED 2700k Semita Urban bulkhead with cycle optic building mounted at 3.7m.	689	0.900

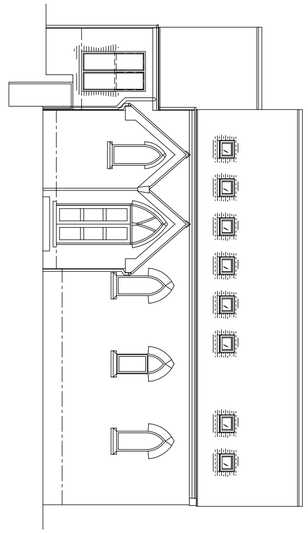
Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Uniformity	Diversity
Car Park	Illuminance	Lux	7.29	17.2	2.3	0.32	0.13
Front Walkway	Illuminance	Lux	9.03	10.6	8.1	0.90	0.76

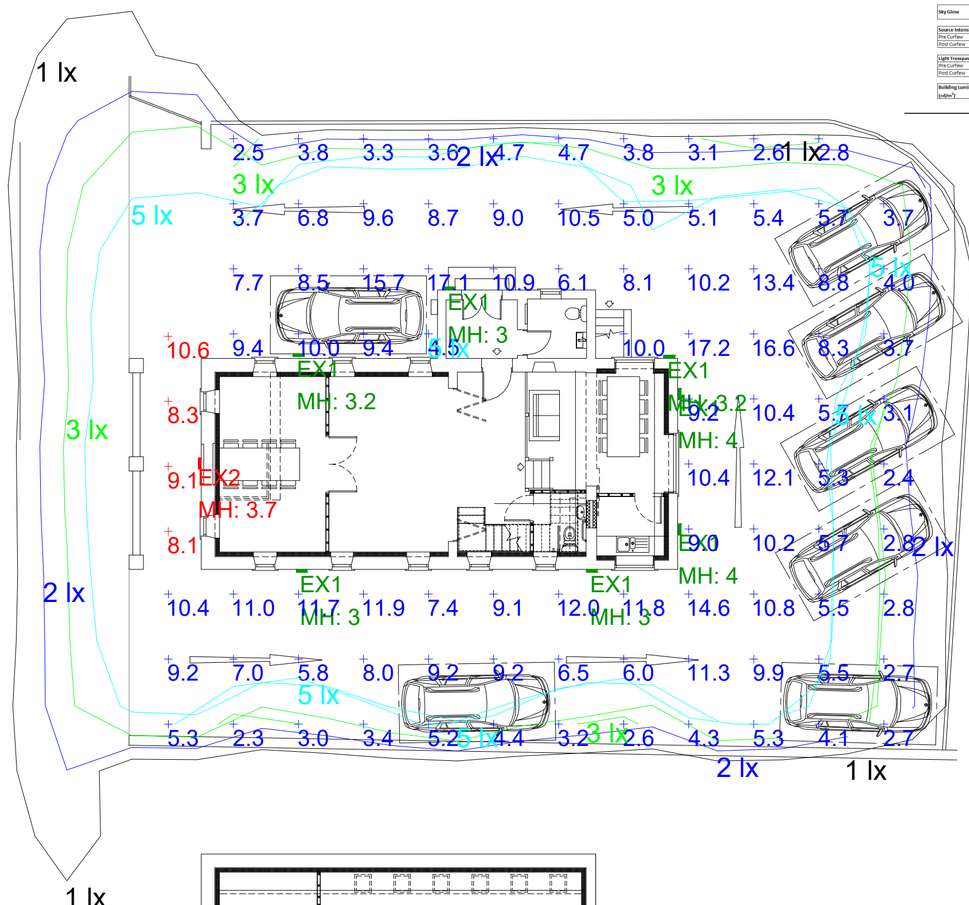


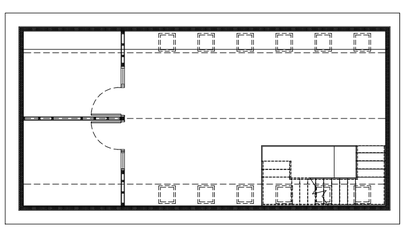












Kingfisher Lighting

Part of the Luceco PLC group of companies LUCECO

BREEAM New Construction 2018 (UK)

Kingfisher Lighting

Part of the LUCECO group of companies

49136	Former Methodist Chapel, Blakeley Lane, Kingsley Moor, Stoke on Trent, Staffordshire.



Colour Temperature (K)	Qty	Range	Light Source	Luminaire Lumens (lm)	Watts (W)	lm/W	LOR	Total Lumens	ULOR	Upward Lumens	CRI	** ART Hour Per Day	CO^2 (Tonnes)	Kw/Hour
2700	7	Semita Urban	6w LED ST	673	6	112.17	100%	4711	0.0%	0	>70	12	0.04	185.96
2700	1	Semita Urban	6w LED OC	689	6	114.83	100%	689	0.0%	0	>70	12	0.01	26.28

CO^2 Calculation For A Year

GNAT - 2021			
Table 5 Compliance			
Environmental Zone	E3		

Sky Glow	Target	Achieved	Status
	5.00%	0.00%	Pass

Source Intensity (Candelas)				
Pre Curfew	10,000		Pass	Note - we have not been able to calculate this as no housing is shown on the drawing
Post Curfew	1,000		Pass	Note - we have not been able to calculate this as no housing is shown on the drawing

Light Trespass into Windows (Lux)				
Pre Curfew	10		Pass	Note - we have not been able to calculate this as no housing is shown on the drawing
Post Curfew	2		Pass	Note - we have not been able to calculate this as no housing is shown on the drawing

Building Luminance (cd/m²)			
	10		Pass

Total Installation Lumens	5,809.00	Total Upward Light	0.00%
Total CO2 Per Year (Tonnes)			0.04
Total Electric Consumption (Kw)			0.05
Total Electric Consumption Per Year (Kwh)			259.24
Average Luminaire Lumens Per Circuit Watt			112.58

Compliance Status		
Pol 04	Reduction Of Night Time Light Pollution	Pass
Ene 01	Energy Efficient External Lighting	Pass
Hea 01	Internal And External Lighting Levels	Pass

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

Date 11/04/2023

N

Former Methodist Chapel, Blakeley Lane, Kingsley Moor, Stoke on Trent, Staffordshire.	Scale 1:150 at A2	Project Number D49136
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	Date 11 April 2023	Drawing No. D49136/RD/A
	Lighting Designer : Robert Dagley	

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.

A2