

Luminaire Schedule					Lumens	Cutoff Class	Total MF	Unit Watts
Symbol	Ref	Qty	Config	Description				
	A	11	Single	Kirium Pro 1, Direct Post, 16 x 650mA 4K CLO LED Array, C2 Optic, 5m TLS	4842	Full Cutoff	0.840	30
	B	17	Single	Kirium Wall, 16 x 300mA 4K CLO LED Array, Clear-Medium Optic, 2.7m TLS	1787	Non-Cutoff	0.840	12
	C	7	Single	Kirium 160, 700mA 4K Asymmetrical LED Array, 1m TLS	610	Semi-Cutoff	0.750	8

LFP: BS5489-1:2020 [Annex D2] = 1.0 Based on CLO LED Data

SP: BS5489-1:2020 [Annex D2] = 1.0

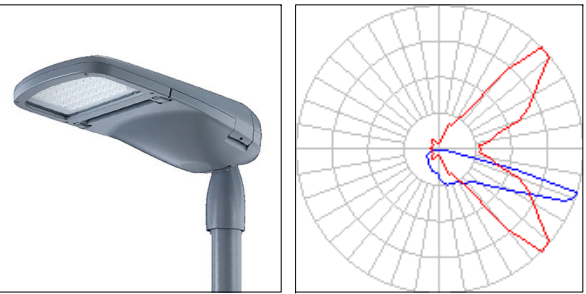
LMF: BS5489-1:2020 [Table C1] = 72 Months:

E3/E4 <6M TLS = 0.84

LFF*SF*LMF = Total MF

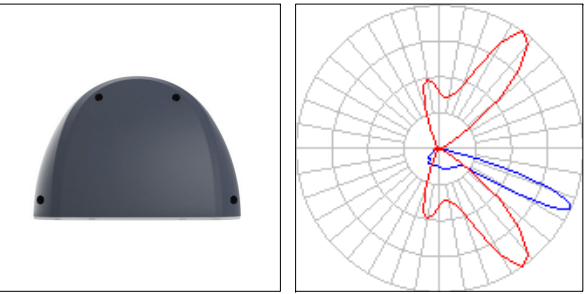
Calculation Summary								
Grid Ref	Measurement	Units	Eav	Emax	Emin	Uo	Lid	X Pitch
Area 1	Illuminance	Lux	12.90	35.0	2.1	0.16	0.06	1.5
Footpath 1	Illuminance	Lux	17.45	104.5	0.2	0.01	0.00	1.5
Footpath 2	Illuminance	Lux	10.12	84.7	0.5	0.05	0.01	1.5
Perimeter 1	Illuminance	Lux	13.06	85.0	2.5	0.19	0.03	1.5

Luminaire Location Summary						
Col Id	Ref (Qty)	X	Y	Z [Height]	Angle	Tilt
1	A (1)	48.001	58.595	5	0	0
2	A (1)	72.817	48.052	5	180	0
3	A (1)	97.176	37.673	5	90	0
4	A (1)	88.59	34.096	5	180	0
5	A (1)	91.996	21.866	5	232.509	0
6	A (1)	81.536	-4.139	5	90	0
7	A (1)	72.586	36.32	5	222.358	0
8	A (1)	66.915	11.821	5	0	0
9	A (1)	47.664	42.177	5	0	0
10	A (1)	64.447	64.398	5	234.549	0
11	A (1)	100.529	69.177	5	227.658	0
12	B (1)	42.034	67.87	2.7	0	0
13	B (1)	42.047	52.616	2.7	0	0
14	B (1)	37.114	43.665	2.7	270	0
15	B (1)	25.117	43.684	2.7	270	0
16	B (1)	13.102	43.691	2.7	270	0
17	B (1)	4.686	51.084	2.7	180	0
18	B (1)	4.578	91.077	2.7	180	0
19	B (1)	4.762	71.207	2.7	180	0
20	B (1)	10.677	95.809	2.7	90	0
21	B (1)	29.174	95.809	2.7	90	0
22	B (1)	67.792	95.809	2.7	90	0
23	B (1)	87.688	95.809	2.7	90	0
24	B (1)	49.21	73.669	2.7	270	0
25	B (1)	70.695	73.669	2.7	270	0
26	B (1)	90.715	73.669	2.7	270	0
27	B (1)	96.15	86.674	2.7	0	0
28	B (1)	48.123	95.809	2.7	90	0
29	C (1)	31.063	99.702	1	180	0
30	C (1)	31.063	106.668	1	180	0
31	C (1)	31.063	113.742	1	180	0
32	C (1)	96.473	104.105	1	310.479	0
33	C (1)	103.077	101.299	1	180	0
34	C (1)	103.194	111.911	1	180	0
35	C (1)	98.988	117.942	1	0	0



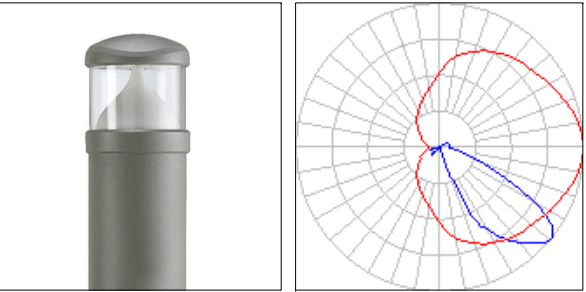
REF A:
Kirium Pro 1, Direct Post, 16 x 650mA 4K CLO LED Array,
C2 Optic, RAL7046 Grey Finish, No Photocell.

5M TLS Tubular Steel Column, RAL7046 Grey Finish.

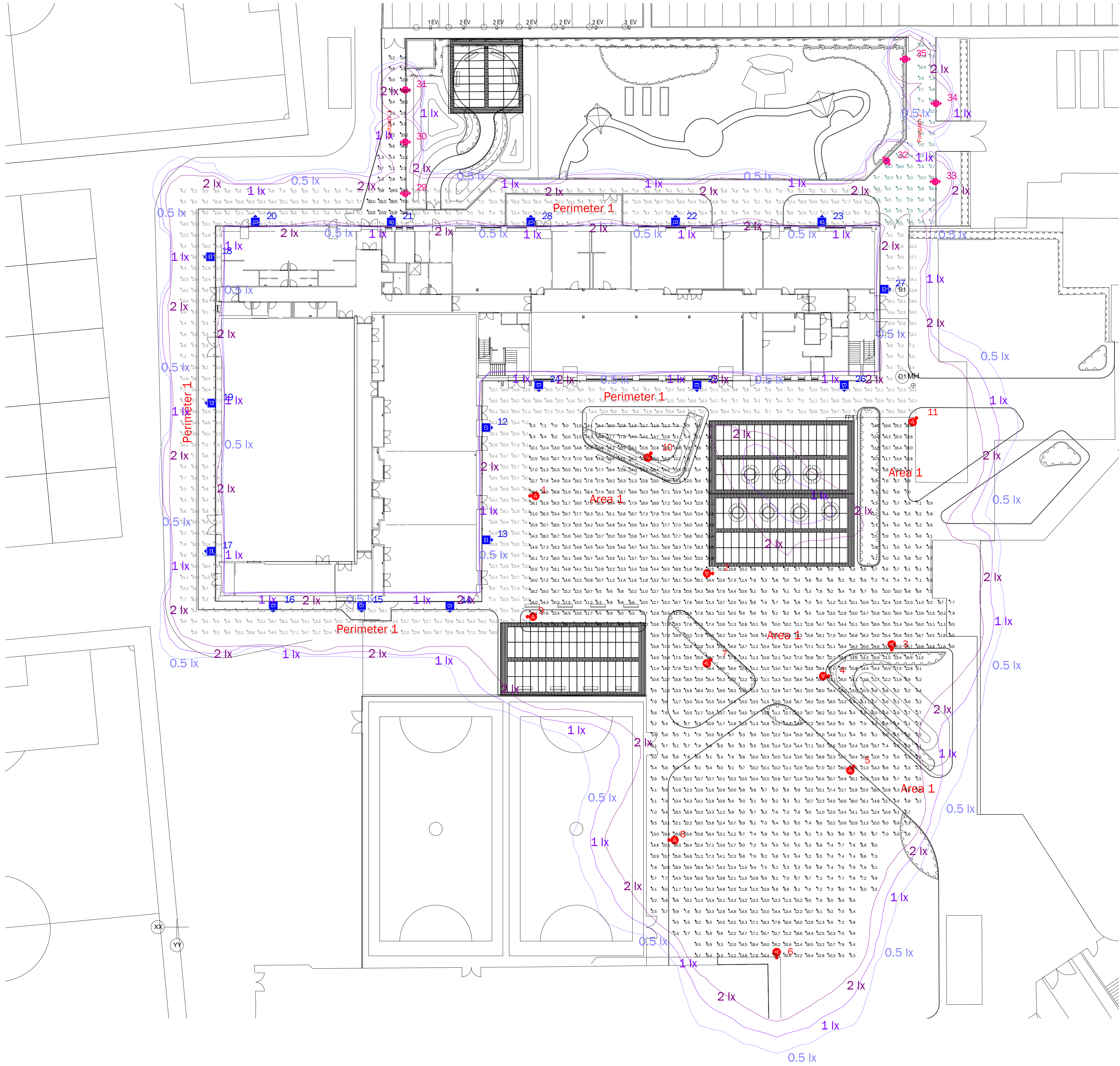


REF B:
Kirium Wall, 16 x 300mA 4K CLO LED Array, Clear Medium Optic.
RAL7046 Grey Finish, No Photocell.

[wall mounted at 2.7M]



REF C:
Kirium 160, Rooted, Curved, 700mA 4K LED Array,
Asymmetrical Wide Optic, RAL7046 Grey Finish



Based on Table A.6 Lighting classes for city and town centres.
Perimeter & Area 1:

BS EN 13201-2:2015

6.1 Requirements for pedestrians & pedal cyclists
Table 3 - P Lighting Classes

Class P2:

10.0 - 15.0lx Eav

2.0lux Emin

B 23/05/2023 Based on revised client CAD DWG

A 03/05/2023 Based on client CAD DWG

Issue: Date: Description:

CDM Statement:
Please note that this proposed lighting scheme is a lighting solution that has been designed with information provided by the client. The solution does not include site, installation engineering or any risk assessment considerations.



Project:
**Newhouse Academy,
Rochdale**

Client: A&B Engineering Contact: Michael Richardson
Project Management: Dan Gormley Lighting Design: Mike Walker

All measurements in Metres & lux. Do not scale from this drawing.
All product images are indicative.

Filename: 23-196-1B - Newhouse Academy, Rochdale [Design]LAGI AG32@ Version 20.11.12

Date: 23/05/2023 Scale: 1:300 @ A1

Project Ref: Page 1 of 1

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