

Luminaire Schedule		Qty	Config	Outreach	Description	Lumens	Cutoff Class	Total MF	Unit Watts
Symbol	Ref								
	A	16	Single	0	Kirium Bulkhead-16LED-4k-300mA-12W-Clear-Wide	1862	Full Cutoff	0.840	12
	B	8	Single	0.3	KIRIUM PRO MINI 8LED 4k C2 CLO 300mA UMSUG 42 0008 0000 100	1193	Full Cutoff	0.840	8

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

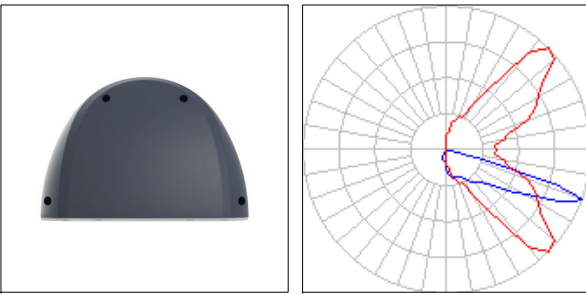
SF: BS5489-1:2020 [Annex D2] = 1.0

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

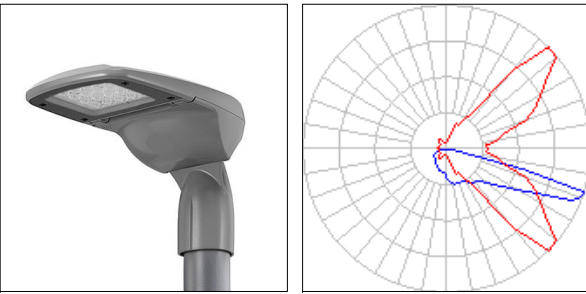
E3/E4 <6M TLS = 0.84

LFF*SF*LMF = Total MF

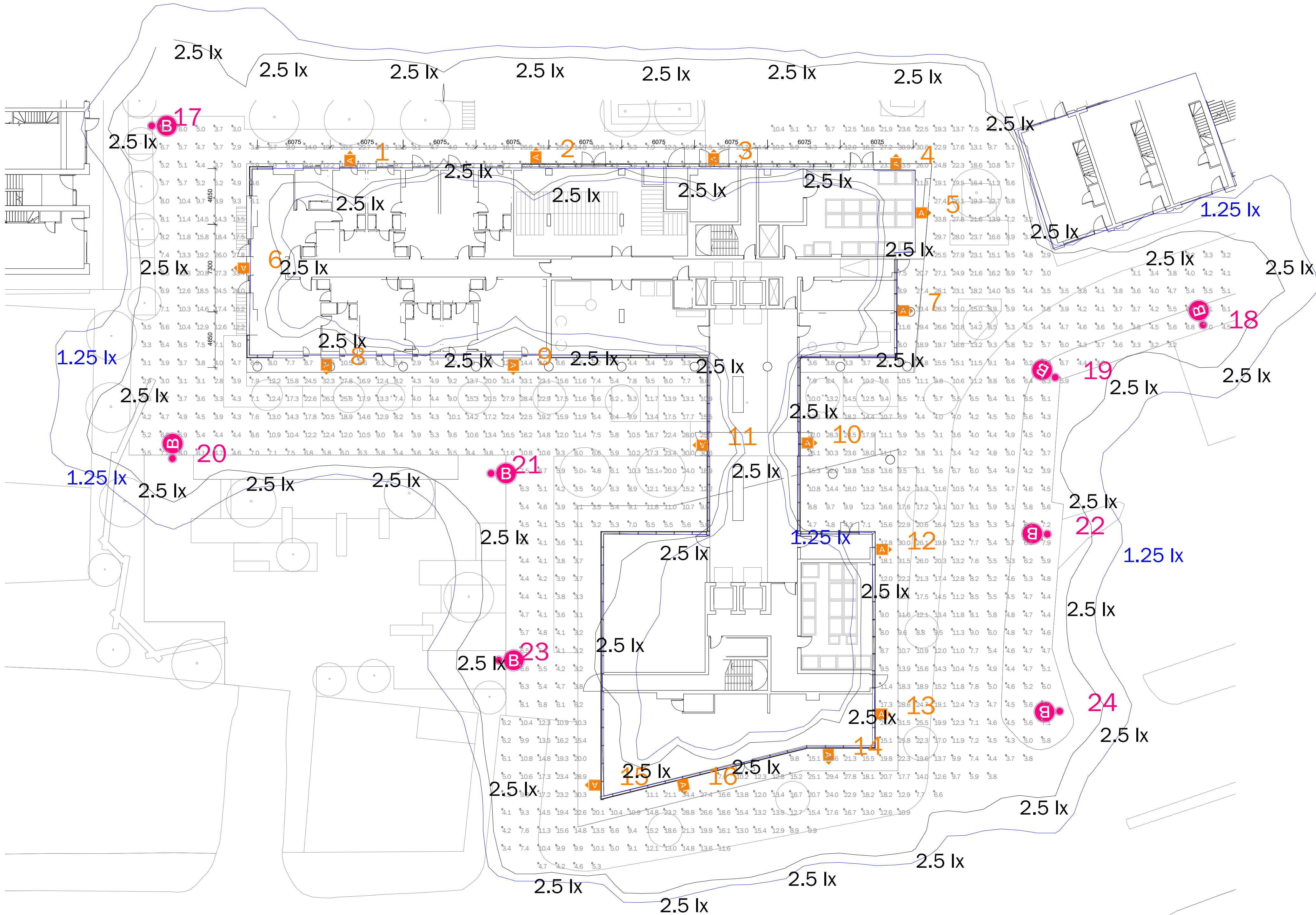
Calculation Summary									
Grid Ref	Measurement	Units	Eav	Emax	Emin	Uo	Ud	X Pitch	Y Pitch
Car Park	Illuminance	Lux	10.91	34.4	2.8	0.26	0.08	1.5	1.5
Luminaire Location Summary									
Col ID	Ref (Qty)	X	Y	Z [Height]	Angle	Dimming			
1	A (1)	-16.856	14.104	3	90	1.00			
2	A (1)	-1.349	14.384	3	90	1.00			
3	A (1)	13.472	14.23	3	90	1.00			
4	A (1)	26.659	13.844	3	90	1.00			
5	A (1)	30.784	9.739	3	0	1.00			
6	A (1)	-25.725	5.146	3	180	1.00			
7	A (1)	29.259	1.578	3	0	1.00			
8	A (1)	-18.833	-2.924	3	269.981	1.00			
9	A (1)	-3.242	-2.953	3	269.027	1.00			
10	A (1)	21.283	-9.45	3	0	1.00			
11	A (1)	12.529	-9.632	3	179.223	1.00			
12	A (1)	27.501	-15.332	3	0	1.00			
13	A (1)	27.442	-32.065	3	0	1.00			
14	A (1)	23.022	-35.452	3	272.279	1.00			
15	A (1)	3.549	-37.984	3	179.724	1.00			
16	A (1)	10.925	-37.954	3	281.099	1.00			
17	B (1)	-33.687	17.01	5	0	1.00			
18	B (1)	54.342	0.11	5	106.255	1.00			
19	B (1)	42.194	-4.122	5	150.499	1.00			
20	B (1)	-31.666	-11.045	5	89.198	1.00			
21	B (1)	-5.398	-11.982	5	0	1.00			
22	B (1)	41.575	-17.067	5	177.701	1.00			
23	B (1)	-4.76	-27.571	5	0	1.00			
24	B (1)	42.601	-31.814	5	182.301	1.00			



REF A:
Kirium Wall, 16 LED, 4000K, 300mA, Clear Glass, Wide Optic.
Painted in Antracite Grey Ral 7016.
[Mounted at 3M]



REF B:
Kirium Pro Mini, 8 LED, 4000K, C2, 300mA, Inc CLO, Painted in
Antracite Grey Ral 7016.
5M TLS tubular steel column. Painted in Antracite Grey Ral 7016.



BS EN 12464-2:2014 (BS 5489-1:2020 Table 4)

5.9 Parking Areas
5.9.2 Medium Traffic e.g. parking areas of department stores,
office buildings, plants, sports and multipurpose building complexes

10.0lx Eav
0.25Uo

A 03/09/2021 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.



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Project:
87 Rochdale Road,
Manchester.

Client: Ridg and Partners Manchester Contact: Gareth Evans

Project Management: Dan Gormley Lighting Design: Michael Walker

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

Filename: 21-0401-1A - 87 Rochdale Road [Design].AGI AG328 Version 20.5.1

Date: 03/09/2021 Scale: 1:200 @ A1

Project Ref: Page 1 of 1

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