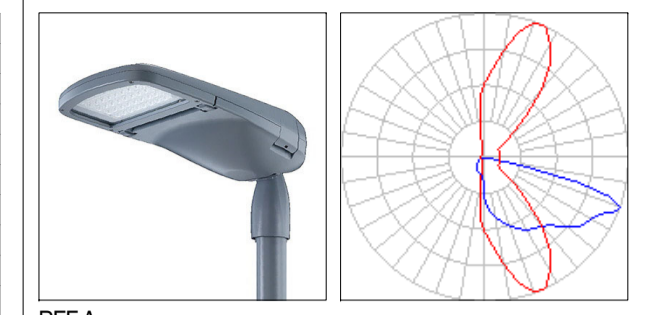


Luminaire Schedule								
Symbol	Ref	Qty	Config	Description	Lumens	Cutoff Class	Total MF	Unit Watts
	A	20	Single	KIRIUM PRO1 16LED 3k A2_350mA UMSUG 42 0015 0000 100	2504	Full Cutoff	0.840	15
	B	11	Single	KIRIUM PRO1 8LED 3k A2_350mA UMSUG 42 0008 0000 100	1290	Full Cutoff	0.840	8
	C	19	Single	Kirium 160 3K 700mA Asymmetrical Optic, 1m TLS	549	Semi-Cutoff	0.840	8

LPF: 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  
 LPF\*SF\*LMF = Total MF

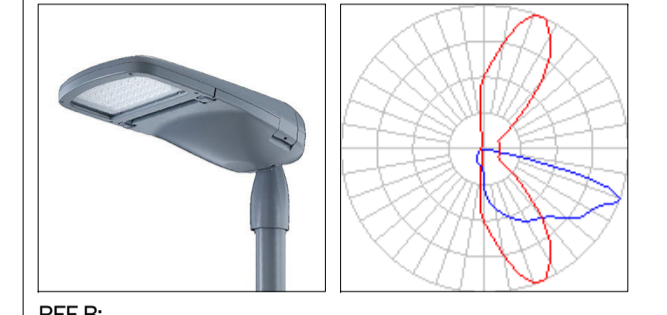
Calculation Summary									
Grid Ref	Measurement	Units	Eav	Emax	Emin	Uo	Ud	X Pitch	Y Pitch
Parking 1	illuminance	Lux	3.18	74.7	0.0	0.00	0.00	1.5	1.5
Parking 2	illuminance	Lux	2.55	49.3	0.0	0.00	0.00	1.5	1.5
Parking 3	illuminance	Lux	3.93	104.1	0.1	0.03	0.00	1.5	1.5
Parking 4	illuminance	Lux	3.29	80.8	0.1	0.03	0.00	1.5	1.5
Parking 5	illuminance	Lux	1.77	29.4	0.1	0.06	0.00	1.5	1.5
Parking 6	illuminance	Lux	3.27	90.4	0.1	0.03	0.00	1.5	1.5
Road 01	illuminance	Lux	6.70	18.3	1.1	0.16	0.06	1.5	1.5
Road 02	illuminance	Lux	5.60	17.5	1.1	0.20	0.06	1.5	1.5
Road 03	illuminance	Lux	3.56	12.9	0.6	0.17	0.05	1.5	1.5
Road 04	illuminance	Lux	3.70	12.6	0.6	0.16	0.05	1.5	1.5

UWLR Area Summary	
Label	UWLR
Upward Light Ratio	0.01



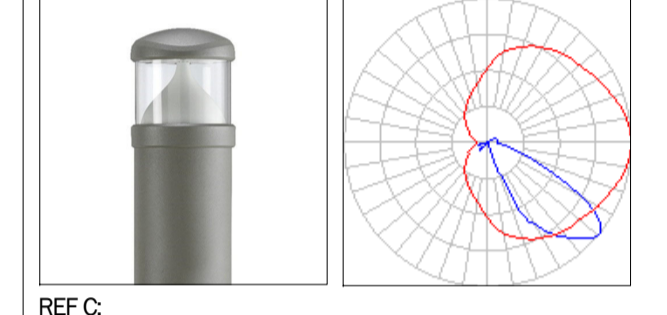
REF A:  
Kirium Pro 1, Direct Post, 16 x 350mA 3K CLO LED Array, A2 Optic, RAL7046 Grey Finish, 35lux Photocell.

6m TLS Tubular Steel Column, Galvanised Finish.



REF B:  
Kirium Pro 1, Direct Post, 8 x 350mA 3K CLO LED Array, A2 Optic, RAL7046 Grey Finish, 35lux Photocell.

5m TLS Tubular Steel Column, Galvanised Finish.



REF C:  
Kirium 160, Curved, 3K 700mA Asymmetrical Optic, RAL7046 Grey Finish



Luminaire Location Summary							
Col ID	Ref (Qty)	X	Y	Z [Height]	Angle	Tilt	Dimming
1	A (1)	530276.484	202205.667	6	230.662	0	1.00
2	A (1)	530307.322	202182.34	6	231.066	0	1.00
3	A (1)	530337.853	202166.27	6	249.802	0	1.00
4	A (1)	530313.159	202160.921	6	60.486	0	1.00
5	A (1)	530385.798	202136.314	6	73.624	0	1.00
6	A (1)	530374.826	202154.196	6	252.246	0	1.00
7	A (1)	530428.046	202145.465	6	246.479	0	1.00
8	A (1)	530483.057	202114.087	6	70.793	0	1.00
9	A (1)	530504.524	202098.896	6	70.915	0	1.00
10	A (1)	530527.556	202096.245	6	65.121	0	1.00
11	A (1)	530551.201	202086.906	6	68.379	0	1.00
12	A (1)	530583.58	202075.563	6	212.285	0	1.00
13	A (1)	530636.86	202007.267	6	101.505	0	1.00
14	A (1)	530566.363	202015.919	6	116.783	0	1.00
15	A (1)	530507.399	202006.509	6	84.975	0	1.00
16	A (1)	530588.162	202038.681	6	163.242	0	1.00
17	A (1)	530283.898	202183.025	6	53.748	0	1.00
18	A (1)	530352.072	202147.192	6	74.054	0	1.00
19	A (1)	530401.167	202149.168	6	287.674	0	1.00
20	A (1)	530461.24	202132.286	6	248.649	0	1.00
21	B (1)	530474.006	202017.15	5	65.912	0	1.00
22	B (1)	530408.342	202124.91	5	181.658	0	1.00
23	B (1)	530438.783	202042.135	5	56.549	0	1.00
24	B (1)	530418.443	202062.557	5	35.351	0	1.00
25	B (1)	530458.545	202029.796	5	57.731	0	1.00
26	B (1)	530461.02	202110.897	5	186.185	0	1.00
27	B (1)	530523.292	202067.415	5	272.294	0	1.00
28	B (1)	530543.812	202073.646	5	305.251	0	1.00
29	B (1)	530404.86	202091.364	5	15.282	0	1.00
30	B (1)	530495.624	202073.387	5	248.514	0	1.00
31	B (1)	530475.321	202087.405	5	225.78	0	1.00
32	C (1)	530360.852	202173.191	1	162.388	0	1.00
33	C (1)	530403.373	202160.526	1	344.109	0	1.00
34	C (1)	530442.598	202154.808	1	189.917	0	1.00
35	C (1)	530595.289	202082.771	1	164.568	0	1.00
36	C (1)	530312.368	202196.254	1	55.512	0	1.00
37	C (1)	530316.651	202213.874	1	230.366	0	1.00
38	C (1)	530324.473	202207.585	1	230.366	0	1.00
39	C (1)	530357.449	202163.988	1	162.388	0	1.00
40	C (1)	530363.824	202182.969	1	162.388	0	1.00
41	C (1)	530351.293	202185.777	1	339.835	0	1.00
42	C (1)	530346.787	202176.622	1	339.835	0	1.00
43	C (1)	530358.602	202196.895	1	251.107	0	1.00
44	C (1)	530348.747	202133.755	1	163.916	0	1.00
45	C (1)	530345.104	202123.364	1	163.916	0	1.00
46	C (1)	530337.044	202136.76	1	341.91	0	1.00
47	C (1)	530334.938	202119.579	1	73.711	0	1.00
48	C (1)	530417.419	202162.479	1	201.214	0	1.00
49	C (1)	530303.558	202202.84	1	55.512	0	1.00
50	C (1)	530318.797	202185.902	1	137.881	0	1.00

Roads 1-2:  
**BS EN 13201-2:2015**  
 6.1 Requirements for pedestrians & pedal cyclists  
 Table 3 - P Lighting Classes  
**Class P4:**  
 5.0 - 7.5lx Eav  
 1.0lux Emin

Road 3-4:  
**BS EN 13201-2:2015**  
 6.1 Requirements for pedestrians & pedal cyclists  
 Table 3 - P Lighting Classes  
**Class P5:**  
 3.0 - 4.5lx Eav  
 0.6lux Emin

B 16/01/23 Based on revised client CAD DWG, bollards to car parking  
 A 29/11/22 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 for CDM.



Project:  
**King George V Playing Fields, Cuffley**

Client: Simpson Associates Consulting Engineers LL Contact: Andrew De Croos  
 Project Management: Steven Meredith Lighting Design: Michael Walker  
 All measurements in Metres & lux. Do not scale from this drawing.  
 All product images are indicative.

Filename: 22-435-1B - 1.1 King George V Playing Fields.AGI AGI328 Version 20.10.52  
 Date: 16/01/2023 Scale: 1:500 @ A1  
 Project Ref: Page 1 of 2

**22-435-1B**