

Luminaire Schedule									
Symbol	Ref	Qty	Config	Description	Mtg Height	Lumens	Cutoff Class	Total MF	Unit Watts
	A	5	Single	Kirium Pro S Mini 8LED 3K A2 500mA UMSUG 42 0012 0000 100	5	2123	Full Cutoff	0.920	12
	B	3	Single	Kirium Pro S Mini 8LED 3K C2 500mA UMSUG 42 0012 0000 100	5	2022	Semi-Cutoff	0.920	12
	C	2	Single	Kirium Pro S Mini (Shield) 8LED 3K B1 300mA UMSUG 42 0008 0000 100	5	1125	Full Cutoff	0.920	8

Luminous Flux Factor (LFF): BS5489-1:2020 [Annex D2] = 1.0 [CLO]

Survival Factor (SF): BS5489-1:2020 [Annex D2] = 1.0

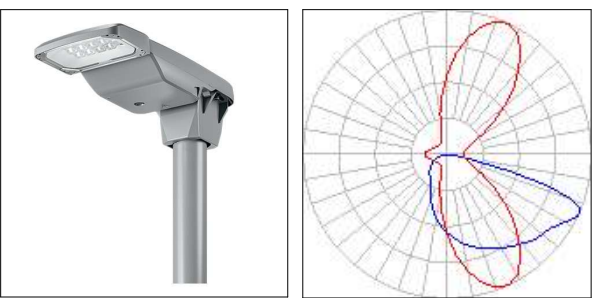
Luminaire Maintenance Factor (LMF): BS5489-1:2020 [Table C1] = 72 Months:
Environmental Zone:

E1/E2 =~6M TLS = 0.92

[LFF] * [SF] * [LMF] = Total Maintenance Factor Value

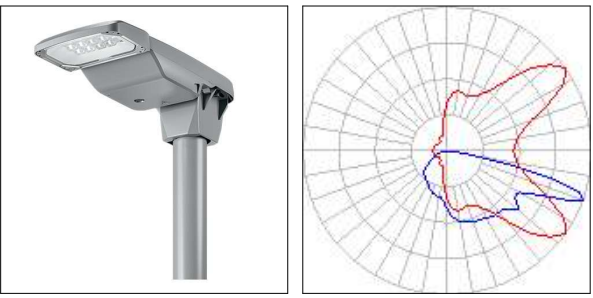
Calculation Results Summary									
Grid Reference	Measurement	Units	Eav	Emax	Emin	Uo	Ud	X Pitch	Y Pitch
Crossing 1	Illuminance	Lux	14.06	24.7	5.3	0.38	0.21	1	1
Crossing 2	Illuminance	Lux	15.27	26.2	6.0	0.39	0.23	1	1
Roadway	Illuminance	Lux	6.29	26.4	1.0	0.16	0.04	1.5	1.5
Walkways	Illuminance	Lux	5.65	13.1	1.2	0.21	0.09	1	1

Luminaire Location Summary						
Col ID	Ref (Qty)	X	Y	Angle	Tilt	Dimming
1	A (1)	971.374	964.232	318.124	0	1.00
2	A (1)	988.914	986.384	324.774	0	1.00
3	A (1)	1009.411	997.766	139.33	0	1.00
4	B (1)	1011.286	1019.112	267.273	0	1.00
5	A (1)	1035.223	1026.806	139.973	0	1.00
6	B (1)	1047.002	1029.987	49.77	0	1.00
7	C (1)	1071.743	1043.892	139.588	0	1.00
8	A (1)	1041.371	1046.207	319.919	0	1.00
9	B (1)	1062.585	1052.26	141.399	0	1.00
10	C (1)	1072.415	1061.922	233.119	0	1.00



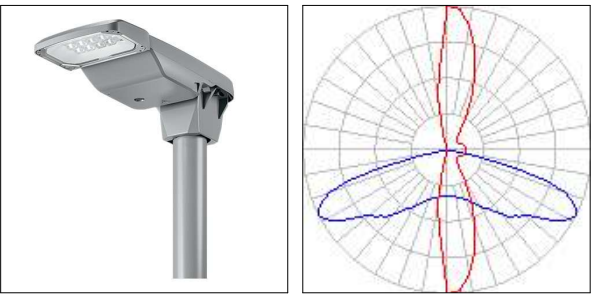
REF A:
Kirium Pro S Mini, Direct Post, 8 x 500mA 3K CLO LED Array,
A2 Optic, RAL7046 Grey Finish, 7 Pin Nema Socket

6m TLS Tubular Steel Rooted Neath CC Spec, Column,
Galvanised Finish



REF B:
Kirium Pro S Mini, Direct Post, 8 x 500mA 3K CLO LED Array,
C2 Optic, RAL7046 Grey Finish, 7 Pin Nema Socket

6m TLS Tubular Steel Rooted Neath CC Spec, Column,
Galvanised Finish



REF C:
Kirium Pro S Mini, Direct Post, 8 x 300mA 3K CLO LED Array,
B1 Optic, RAL7046 Grey Finish, 7 Pin Nema Socket + Rear Light Shield

5m TLS Tubular Steel Rooted Neath CC Spec, Column,
Galvanised Finish

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

B 26/05/26 Lighting Class Revised To P4, Column Location Changes

A 20/11/25 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.



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Project:

Caewern House,
Neath

Client: Spring Consultancy Ltd Contact: Max Collis

Project Management: Steve Meredith Lighting Design: Michael Walker

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

Filename: 25-449-1B - 1.1 Caewern House, Neath.AGI AG320® Version 22.3.2

Date: 26/05/2026 Scale: 1:300 @ A1

Project Ref: Page 1 of 1

25-449-1B