Luminaire Schedule									
Symbol	Ref	Qty	Config	Description	Mtg Height	Lumens	Cutoff Class	Total MF	Unit Watts
	A	13	Single	Windsor Street Dark Sky 16 LED 2_7K A2 250mA UMSUG 42 0011 0000 100	5	1307	Full Cutoff	0.920	11
	B	33	Single	Pharola DS 2_7k 700mA UMSUG 42 0020 0000 100	1	1618	Semi-Cutoff	0.920	20

Windsor DS + Torino Solar Sleeve Operation Conditions:

December Switch On: 16:00, Off 08:00 [16-hour operation]

16:00 - 22:00 On at 100% output [11W] with detection, PIR dimming to [1.3W] after 30 seconds of non-detection
22:00 - 06:00 On at 30% output [3.7W] with detection, PIR dimming to [1.3W] after 30 seconds of non-detection
06:00 - 08:00 On at 100% output [11W] with detection, PIR dimming to [1.3W] after 30 seconds of non-detection

Note 1: Assumed 85% dormancy 16:00 - 22:00 & 06:00 - 08:00
Note 2: Assumed 95% dormancy 22:00 - 06:00
Note 3: Calculation assumes solar panels are not shadowed by buildings or trees and have clear South facing aspect during the day.



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

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

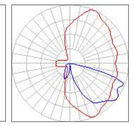
Luminaire Maintenance Factor [LMF]: BS5489-1:2020 [Table C1] = 72 Months:
Environmental Zone:
E1 =<6M TLS = 0.92
[LFF] * [SF] * [LMF] = Total Maintenance Factor Value

Calculation Results Summary									
Grid Reference	Measurement	Units	Eav	Emax	Emin	Uo	Ud	X Pitch	Y Pitch
Road 01	Illuminance	Lux	2.22	13.2	0.0	0.00	0.00	1.5	1.5
Road 02	Illuminance	Lux	3.15	14.2	0.0	0.00	0.00	1.5	1.5
Road 03	Illuminance	Lux	2.27	101.6	0.0	0.00	0.00	1.5	1.5

Upward Waste Light Ratio Measurement
ULR
0.000

Luminaire Location Summary						
Col ID	Ref (Qty)	X	Y	Angle	Tilt	Dimming
1	A (1)	537178.13	132935.873	349.602	0	1.00
2	A (1)	537198.613	132959.883	129.207	0	1.00
3	A (1)	537222.783	132958.997	85.898	0	1.00
4	A (1)	537268.847	132955.032	85.426	0	1.00
5	A (1)	537298.7	132947.359	9.937	0	1.00
6	A (1)	537309.717	132923.417	175.467	0	1.00
7	A (1)	537336.319	133027.452	150.355	0	1.00
8	A (1)	537307.047	132983.624	331.954	0	1.00
9	A (1)	537312.208	133034.644	62.154	0	1.00
10	A (1)	537288.159	133045.956	64.967	0	1.00
11	A (1)	537266.48	133033.02	153.319	0	1.00
12	A (1)	537254.952	133008.824	153.015	0	1.00
13	A (1)	537244.907	132983.286	171.027	0	1.00
14	B (1)	537226.661	132992.479	340.558	0	1.00
15	B (1)	537212.285	132996.564	359.367	0	1.00
16	B (1)	537186.579	133000.497	351.71	0	1.00
17	B (1)	537189.025	133029.325	354.387	0	1.00
18	B (1)	537230.749	133024.057	359.261	0	1.00
19	B (1)	537194.444	133053.824	356.059	0	1.00
20	B (1)	537197.567	133083.67	0	0	1.00
21	B (1)	537255.301	133069.768	333.7	0	1.00
22	B (1)	537230.139	133104.177	342.688	0	1.00
23	B (1)	537236.424	133120.596	336.086	0	1.00
24	B (1)	537201.61	133119.495	349.169	0	1.00
25	B (1)	537213.972	133157.04	333.439	0	1.00
26	B (1)	537239.269	133166.546	319.727	0	1.00
27	B (1)	537258.848	133148.401	319.402	0	1.00
28	B (1)	537282.646	133125.93	325.907	0	1.00
29	B (1)	537278.27	133082.88	51.061	0	1.00
30	B (1)	537314.613	133103.861	323.491	0	1.00
31	B (1)	537337.927	133086.733	319.281	0	1.00
32	B (1)	537358.172	133068.112	320.372	0	1.00
33	B (1)	537368.138	133059.868	320.61	0	1.00
34	B (1)	537346.062	133033.505	319.325	0	1.00
35	B (1)	537399.728	133036.854	323.697	0	1.00
36	B (1)	537394.121	133012.898	27.862	0	1.00
37	B (1)	537383.358	133001.664	40.762	0	1.00
38	B (1)	537374.151	132984.845	64.758	0	1.00
39	B (1)	537348.069	132982.567	342.612	0	1.00
40	B (1)	537334.155	132994.986	342.103	0	1.00
41	B (1)	537324.958	132965.529	340.377	0	1.00
42	B (1)	537356.696	132958.616	342.418	0	1.00
43	B (1)	537353.418	132924.757	355.632	0	1.00
44	B (1)	537328.75	132936.855	356.111	0	1.00
45	B (1)	537242.899	132906.427	355.274	0	1.00
46	B (1)	537239.38	132924.841	353.5	0	1.00



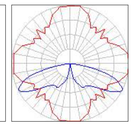


REF A:
Windsor Street Dark Sky, 16 x 250mA 2.7K LED Array, A2 Optic, RAL9005 Black Finish, +PIR

200W Torino Solar Sleeve + Column Adaptor

5m TLS Cardiff Column, RAL9005 Black Finish





REF B:
Pharola DS, Rooted, 700mA 2.7K LED Array, 360° Optic, RAL9005 Black Finish

A	02/07/25	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:
West Hoathly Brickworks

Client:	Gala Home (South)	Contact:	Jessica Sparkes
Project Management:	Martin Collins	Lighting Design:	Michael Walker

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

Filename: 25-213-1A - 1.1 West Hoathly Brickworks.AGI	AGi32® Version 22.2.63
Date: 02/07/2025	Scale: 1:600 @ A1
Project Ref:	Page 1 of 1

25-213-1A