

DATE: 3 November 2022
DESIGNER: HHP
PROJECT No: 21ME001
PROJECT NAME: Greenfields



Design:
Lighting Classes according to EN13201:2015:
- Residential: P4
(S/P Ratio:1.61; $3.75 < E_{av} < 5.63$; $E_{min}=0.74$; MF=0.8)

Outdoor Lighting Report

PREPARED BY: Hayes Higgins Partnership
Gas House Lane
Kilkenny

email: info@hhp.ie
Tel.: 056 7764710

Layout Report

General Data

Dimensions in Metres Angles in Degrees
Grid Origin 693708.8m x 736948.7m
Area 270.2m x 201.6m
Sample Spacing 1.49m x 1.49m

Luminaires

Luminaire A Data

Supplier	
Type	BGP615 DW50
Lamp(s)	LED-HB 4S/740
Lamp Flux (klm)	3.40
File Name	Luma Micro_BGP615_DW50_3400_20LED_330mA_4S_CLO L90_NW.ies
Maintenance Factor	0.80
Imax70,80,90(cd/klm)	616.7, 39.5, 0.0
No. in Project	30

Layout

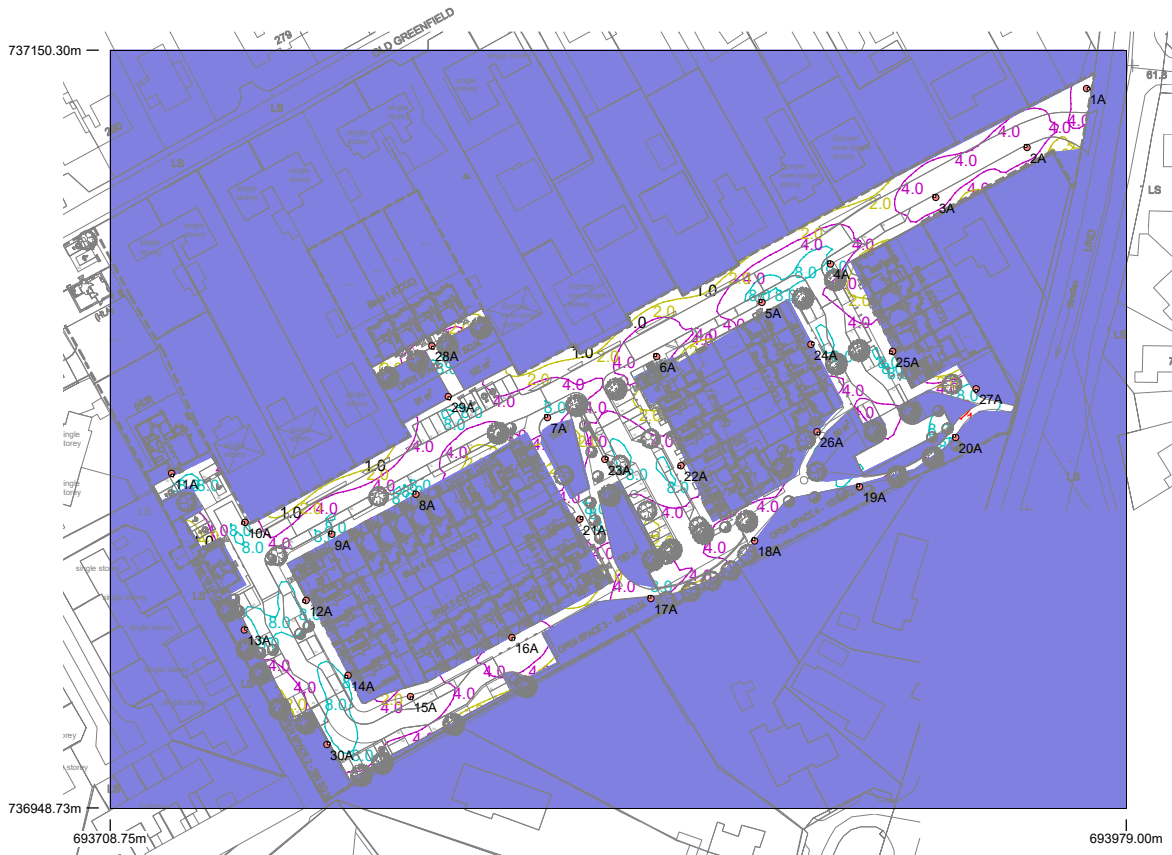
No.	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	693968.35	737140.11	6.00	352.00	0.00	0.00	0.50			
2	A	693952.49	737124.41	6.00	130.00	0.00	0.00	0.50			
3	A	693928.26	737111.11	6.00	130.00	0.00	0.00	0.50			
4	A	693900.26	737093.48	6.00	130.00	0.00	0.00	0.50			
5	A	693882.02	737083.20	6.00	130.00	0.00	0.00	0.50			
6	A	693854.05	737068.83	6.00	130.00	0.00	0.00	0.50			
7	A	693825.01	737052.61	6.00	130.00	0.00	0.00	0.50			
8	A	693790.04	737032.23	6.00	130.00	0.00	0.00	0.50			
9	A	693767.65	737021.64	6.00	130.00	0.00	0.00	0.50			
10	A	693744.57	737024.79	6.00	208.00	0.00	0.00	0.50			
11	A	693725.10	737037.76	6.00	293.00	0.00	0.00	0.50			
12	A	693760.80	737003.99	6.00	200.00	0.00	0.00	0.50			
13	A	693744.38	736996.13	6.00	32.00	0.00	0.00	0.50			
14	A	693771.98	736984.03	6.00	214.00	0.00	0.00	0.50			
15	A	693788.56	736978.41	6.00	303.00	0.00	0.00	0.50			
16	A	693815.56	736994.12	6.00	309.00	0.00	0.00	0.50			
17	A	693852.48	737004.50	6.00	130.00	0.00	0.00	0.50			
18	A	693880.12	737019.82	6.00	130.00	0.00	0.00	0.50			
19	A	693908.01	737034.20	6.00	130.00	0.00	0.00	0.50			
20	A	693933.52	737047.32	6.00	130.00	0.00	0.00	0.50			

Layout Continued

No.	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
21	A	693833.61	737025.56	6.00	37.00	0.00	0.00	0.50			
22	A	693860.52	737039.78	6.00	207.00	0.00	0.00	0.50			
23	A	693840.26	737041.55	6.00	22.00	0.00	0.00	0.50			
24	A	693895.09	737072.05	6.00	21.00	0.00	0.00	0.50			
25	A	693916.77	737070.18	6.00	212.00	0.00	0.00	0.50			
26	A	693896.66	737048.81	6.00	315.00	0.00	0.00	0.50			
27	A	693938.96	737060.25	6.00	273.00	0.00	0.00	0.50			
28	A	693794.29	737071.69	6.00	298.00	0.00	0.00	0.50			
29	A	693798.62	737058.18	6.00	298.00	0.00	0.00	0.50			
30	A	693766.41	736965.68	6.00	32.00	0.00	0.00	0.50			

Horizontal Illuminance (lux)

Grid 1



Results

Eav	5.13
Emin	1.10
Emax	12.17
Emin/Emax	0.09
Emin/Eav	0.21