

DATE: 25 November 2025
DESIGNER: EDS
PROJECT No: 1027
PROJECT NAME: Finchwood Parcel 6 S38

**LIGHTING
REALITY**

Designed to BS5489 lighting class P4

Outdoor Lighting Report

Layout Report

General Data

Dimensions in Metres Angles in Degrees
Grid Origin 476611.0m x 164080.3m
Area 328.9m x 300.0m
Sample Spacing 1.49m x 1.50m

Luminaires



Luminaire A Data

Supplier	Philips
Type	BGP702 DM10
Lamp(s)	LED-HB 5.2S 740
Lamp Flux (klm)	5.00
File Name	Luma Gen2 Micro_BGP702_DM10_5000_2 0LED_5.2S_CLO_L90_740.ies
Maintenance Factor	0.83
Imax70,80,90(cd/klm)	523.4, 90.0, 0.0
No. in Project	9



Luminaire B Data

Supplier	Philips
Type	BGP702 DM10
Lamp(s)	LED-HB 5.2S 740
Lamp Flux (klm)	4.00
File Name	Luma Gen2 Micro_BGP702_DM10_4000_2 0LED_5.2S_CLO_L90_740.ies
Maintenance Factor	0.83
Imax70,80,90(cd/klm)	523.4, 90.0, 0.0
No. in Project	20

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	476851.55	164325.40	6.00	3.00	0.00	0.00	0.50			
2	A	476847.28	164292.29	6.00	344.00	0.00	0.00	0.50			
3	B	476758.91	164128.48	6.00	120.00	0.00	0.00	0.50			
4	B	476904.28	164272.33	6.00	163.00	0.00	0.00	0.50			
5	B	476875.15	164274.47	6.00	77.00	0.00	0.00	0.50			
6	A	476834.04	164261.79	6.00	332.00	0.00	0.00	0.50			
7	A	476816.26	164239.56	6.00	309.00	0.00	0.00	0.50			
8	A	476790.59	164220.90	6.00	293.00	0.00	0.00	0.50			
9	A	476760.09	164207.84	6.00	287.00	0.00	0.00	0.50			
10	B	476833.12	164211.38	6.00	42.00	0.00	0.00	0.50			
11	B	476855.63	164189.21	6.00	128.00	0.00	0.00	0.50			
12	B	476746.32	164140.87	6.00	32.00	0.00	0.00	0.50			
13	A	476728.19	164195.40	6.00	283.00	0.00	0.00	0.50			
14	A	476698.38	164188.10	6.00	284.00	0.00	0.00	0.50			
15	B	476677.82	164179.49	6.00	11.00	0.00	0.00	0.50			
16	B	476740.13	164179.85	6.00	193.00	0.00	0.00	0.50			
17	A	476808.89	164253.51	6.00	47.00	0.00	0.00	0.50			
18	B	476773.22	164266.41	6.00	84.00	0.00	0.00	0.50			
19	B	476736.10	164276.76	6.00	291.00	0.00	0.00	0.50			
20	B	476762.34	164289.72	6.00	171.00	0.00	0.00	0.50			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
21	B	476766.38	164326.55	6.00	171.00	0.00	0.00	0.50			
22	B	476737.57	164334.29	6.00	261.00	0.00	0.00	0.50			
23	B	476693.31	164336.80	6.00	267.00	0.00	0.00	0.50			
24	B	476709.76	164323.39	6.00	355.00	0.00	0.00	0.50			
25	B	476702.59	164275.21	6.00	84.00	0.00	0.00	0.50			
26	B	476658.32	164272.85	6.00	17.00	0.00	0.00	0.50			
27	B	476678.98	164273.03	6.00	114.00	0.00	0.00	0.50			
28	B	476726.87	164245.23	6.00	357.00	0.00	0.00	0.50			
29	B	476744.38	164223.64	6.00	202.00	0.00	0.00	0.50			

Horizontal Illuminance (lux)

Grid 1



Results

Eav	7.32
Emin	1.02
Emax	28.64
Emin/Emax	0.04
Emin/Eav	0.14