

**DATE:** 3 July 2024  
**DESIGNER:** HHP  
**PROJECT No:** 23ME022  
**PROJECT NAME:** Blackglen Road



## **Outdoor Lighting Report**

**PREPARED BY:** Hayes Higgins Partnership  
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## Layout Report

### General Data

Dimensions in Metres Angles in Degrees  
Grid Origin 69.7m x -278.4m  
Area 362.3m x 227.4m  
Sample Spacing 2.05m x 1.61m

### 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

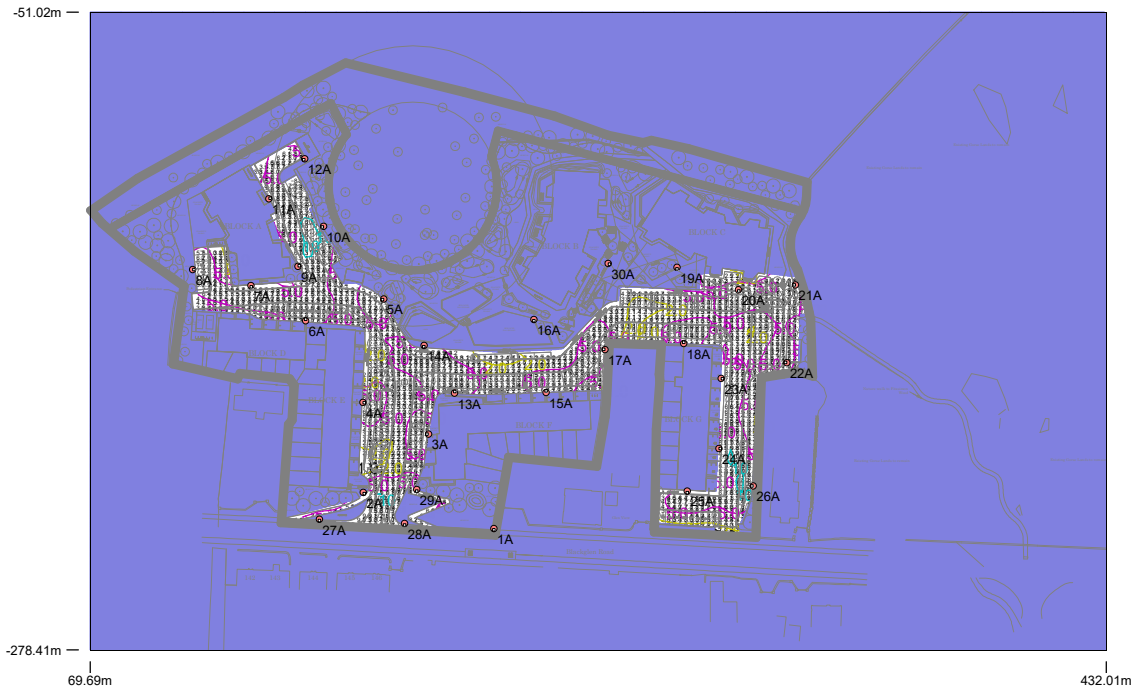
No.	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	213.63	-235.09	6.00	270.00	0.00	0.00	0.50			
2	A	167.01	-222.23	6.00	310.00	0.00	0.00	0.50			
3	A	190.27	-201.48	6.00	174.00	0.00	0.00	0.50			
4	A	166.87	-190.09	6.00	346.00	0.00	0.00	0.50			
5	A	174.37	-153.27	6.00	201.00	0.00	0.00	0.50			
6	A	146.53	-160.99	6.00	90.00	0.00	0.00	0.50			
7	A	126.95	-148.43	6.00	280.00	0.00	0.00	0.50			
8	A	106.16	-142.80	6.00	5.00	0.00	0.00	0.50			
9	A	143.73	-141.60	6.00	20.00	0.00	0.00	0.50			
10	A	152.89	-127.32	6.00	211.00	0.00	0.00	0.50			
11	A	133.33	-117.50	6.00	22.00	0.00	0.00	0.50			
12	A	146.16	-103.25	6.00	225.00	0.00	0.00	0.50			
13	A	199.60	-186.77	6.00	85.00	0.00	0.00	0.50			
14	A	188.69	-169.80	6.00	266.00	0.00	0.00	0.50			
15	A	232.23	-186.54	6.00	94.00	0.00	0.00	0.50			
16	A	227.81	-160.54	6.00	270.00	0.00	0.00	0.50			
17	A	253.23	-171.35	6.00	160.00	0.00	0.00	0.50			
18	A	281.28	-169.16	6.00	90.00	0.00	0.00	0.50			
19	A	278.85	-141.99	6.00	276.00	0.00	0.00	0.50			
20	A	300.75	-149.97	6.00	280.00	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	321.13	-148.20	6.00	180.00	0.00	0.00	0.50			
22	A	318.05	-175.97	6.00	164.00	0.00	0.00	0.50			
23	A	294.59	-181.60	6.00	345.00	0.00	0.00	0.50			
24	A	293.78	-206.55	6.00	354.00	0.00	0.00	0.50			
25	A	282.52	-221.78	6.00	270.00	0.00	0.00	0.50			
26	A	306.06	-219.92	6.00	180.00	0.00	0.00	0.50			
27	A	151.39	-231.74	6.00	270.00	0.00	0.00	0.50			
28	A	181.78	-233.28	6.00	270.00	0.00	0.00	0.50			
29	A	186.10	-221.21	6.00	270.00	0.00	0.00	0.50			
30	A	254.38	-140.58	6.00	322.00	0.00	0.00	0.50			

# Horizontal Illuminance (lux)

Grid 1



## Results

Eav	5.51
Emin	1.14
Emax	11.12
Emin/Emax	0.10
Emin/Eav	0.21