

DATE: 13 August 2024
DESIGNER: Delap and Waller
PROJECT No: 23113
PROJECT NAME: LDA Clongriffin Block 5 & 6

**LIGHTING
REALITY**

Outdoor Lighting Report

Layout Report

General Data

Dimensions in Metres Angles in Degrees

Calculation Grids

ID	Grid Name	X	Y	X' Length	Y' Length	X' Spacing	Y' Spacing
1	Grid 1	722703.37	740925.53	175.83	250.81	0.80	1.00

Luminaires

Luminaire A Data

Supplier	
Type	P852-12-F2-NW-CB0550-21W
Lamp(s)	740C NW
Lamp Flux (klm)	2.67
File Name	P852-12-F2-NW-CB0550-21W.Idt
Maintenance Factor	1.00
Imax70,80,90(cd/klm)	762.5, 260.8, 35.0
No. in Project	25

Luminaire B Data

Supplier	
Type	060 LEDs - ML2-W Medium Lens
Lamp(s)	NICHIA 219C
Lamp Flux (klm)	8.36
File Name	Type B - ARIALD 060 ML2-W 4000K 350 mA 65W.ies
Maintenance Factor	1.00
Imax70,80,90(cd/klm)	379.7, 180.0, 0.0
No. in Project	19

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	B	722801.71	740884.10	6.00	96.00	0.00	0.00	0.50			
2	B	722780.21	740897.47	6.00	64.00	0.00	0.00	1.00			
3	B	722748.81	740915.99	6.00	47.00	0.00	0.00	1.00			
4	B	722731.08	740930.98	6.00	90.00	0.00	0.00	0.50			
5	B	722714.60	740933.81	6.00	51.00	0.00	0.00	0.50			
6	B	722743.92	740971.33	6.00	323.00	0.00	0.00	1.00			
7	B	722758.53	740994.64	6.00	246.00	0.00	0.00	0.50			
8	B	722769.73	741009.77	6.00	339.00	0.00	0.00	0.50			
9	B	722779.34	741045.76	6.00	346.00	0.00	0.00	1.50			
10	B	722789.93	741075.72	6.00	343.00	0.00	0.00	1.50			
11	B	722796.95	741105.86	6.00	350.00	0.00	0.00	1.00			
12	B	722820.65	741118.89	6.00	260.00	0.00	0.00	1.00			
13	B	722852.69	741112.85	6.00	261.00	0.00	0.00	1.00			
14	B	722877.02	741104.81	6.00	259.00	0.00	0.00	1.00			
15	B	722902.26	741098.32	6.00	255.00	0.00	0.00	1.00			
16	B	722901.11	740994.85	6.00	255.00	0.00	0.00	0.50			
17	B	722909.97	740963.90	6.00	186.00	0.00	0.00	0.50			
18	B	722892.96	740943.83	6.00	83.00	0.00	0.00	0.50			
19	B	722861.98	740951.07	6.00	61.00	0.00	0.00	0.50			
20	A	722838.08	740961.31	6.00	53.00	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	A	722823.25	740943.73	6.00	341.00	0.00	0.00	0.50			
22	A	722814.16	740930.09	6.00	336.00	0.00	0.00	0.50			
23	A	722801.78	740911.51	6.00	333.00	0.00	0.00	0.50			
24	A	722796.69	740897.95	6.00	273.00	0.00	0.00	0.50			
25	A	722769.99	740919.71	6.00	246.00	0.00	0.00	1.00			
26	A	722747.76	740933.75	6.00	246.00	0.00	0.00	0.50			
27	A	722748.41	740952.43	6.00	148.00	0.00	0.00	0.50			
28	A	722764.28	740980.19	6.00	149.00	0.00	0.00	0.50			
29	A	722820.50	741103.96	6.00	78.00	0.00	0.00	1.00			
30	A	722838.22	741099.02	6.00	75.00	0.00	0.00	1.00			
31	A	722868.03	741092.09	6.00	81.00	0.00	0.00	1.00			
32	A	722896.74	741077.27	6.00	346.00	0.00	0.00	0.50			
33	A	722883.26	741055.53	6.00	68.00	0.00	0.00	0.50			
34	A	722893.09	741050.03	6.00	345.00	0.00	0.00	1.00			
35	A	722886.27	741029.95	6.00	348.00	0.00	0.00	1.00			
36	A	722883.17	741016.96	6.00	345.00	0.00	0.00	1.00			
37	A	722876.48	741000.65	6.00	254.00	0.00	0.00	0.50			
38	A	722855.34	740986.47	6.00	337.00	0.00	0.00	0.50			
39	A	722834.58	740976.96	6.00	242.00	0.00	0.00	0.50			
40	A	722806.76	740995.43	6.00	250.00	0.00	0.00	1.00			
41	A	722789.66	741003.08	6.00	246.00	0.00	0.00	0.50			
42	A	722790.36	740981.51	6.00	69.00	0.00	0.00	1.00			
43	A	722819.88	740966.93	6.00	58.00	0.00	0.00	1.00			
44	A	722892.09	741086.25	6.00	77.00	0.00	0.00	1.00			

Horizontal Illuminance (lux)

Grid 1



Results

Eav	12.32
Emin	1.27
Emax	57.08
Emin/Emax	0.02
Emin/Eav	0.10

