

DATE: 1 October 2024
DESIGNER:
PROJECT No: 2972
PROJECT NAME: Development at Basin View

**LIGHTING
REALITY**

Social Housing Bundle 5

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	Oisin Kelly Park	282.36	86.21	111.20	43.50	1.48	1.50
2	MAIN APARTMENT BLOCKS & RO...	265.48	127.46	120.00	85.20	1.50	1.49
3	LOWER APARTMENT BLOCK	297.97	53.40	101.26	34.81	1.63	1.45

Luminaires

Luminaire A Data



Supplier	Urbis Schreder
Type	AXIA 2.1 5167 Integrated lenses 16 OSOLON SQUARE GIANT@760mA
Lamp(s)	16 OSOLON SQUARE GIANT@760mA NW 74 0 230V 00-36-648
LampFlux(klm)/Colour	5.20 NW 4000K/70
File Name	AXIA 2.1 5167 16 OSOLON SQUARE GIANT 760mA NW 740 39W 434362 Integrated lens...
Maintenance Factor	0.84
Imax70,80,90(cd/klm)	1162.3, 202.9, 3.0
No. in Project	3

Luminaire B Data



Supplier	Urbis Schreder
Type	AXIA 2.1 5167 Integrated lenses 16 OSOLON SQUARE GIANT@500mA
Lamp(s)	16 OSOLON SQUARE GIANT@500mA NW 74 0 230V 00-36-648
LampFlux(klm)/Colour	3.66 NW 4000K/70
File Name	AXIA 2.1 5167 16 OSOLON SQUARE GIANT 500mA NW 740 26W 434362 Integrated lens...
Maintenance Factor	0.84
Imax70,80,90(cd/klm)	1162.3, 202.9, 3.0
No. in Project	17

Luminaire D Data



Supplier	Urbis Schreder
Type	AXIA 2.1 5166 Integrated lenses 8 OSOLON SQUARE GIANT@400mA N
Lamp(s)	8 OSOLON SQUARE GIANT@400mA NW 740 230V 00-36-648
LampFlux(klm)/Colour	1.55 NW 4000K/70
File Name	AXIA 2.1 5166 8 OSOLON SQUARE GIANT 400mA NW 740 12W 464222 Integrated lenses...
Maintenance Factor	0.84
Imax70,80,90(cd/klm)	1083.7, 150.6, 1.2
No. in Project	14

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	D	311.62	53.96	6.00	100.00	0.00	0.00	0.60			
2	D	342.26	59.04	6.00	102.00	0.00	0.00	0.60			
3	D	368.25	67.76	6.00	104.00	0.00	0.00	0.60			
4	B	276.68	154.82	6.00	194.00	0.00	0.00	0.60			
5	B	262.74	177.07	6.00	65.00	0.00	0.00	0.60			
6	B	302.64	201.15	6.00	191.00	0.00	0.00	0.60			
7	D	301.08	68.09	6.00	192.00	0.00	0.00	0.60			
8	B	286.35	197.87	6.00	13.00	0.00	0.00	0.60			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
9	B	350.49	144.69	6.00	284.00	0.00	0.00	0.60			
10	B	331.99	111.18	6.00	281.00	0.00	0.00	0.60			
11	D	264.61	201.34	6.00	103.00	0.00	0.00	0.60			
12	D	315.71	211.71	6.00	101.00	0.00	0.00	0.60			
14	A	328.54	82.84	6.00	103.00	0.00	0.00	0.60			
15	A	357.59	88.69	6.00	104.00	0.00	0.00	0.60			
16	A	374.41	97.37	6.00	104.00	0.00	0.00	0.60			
18	B	340.49	121.77	6.00	11.00	0.00	0.00	0.60			
19	B	307.49	91.69	6.00	282.00	0.00	0.00	0.60			
20	B	365.09	126.04	6.00	188.00	0.00	0.00	0.60			
19	D	340.63	216.66	6.00	98.00	0.00	0.00	0.60			
22	B	299.64	106.12	6.00	12.00	0.00	0.00	0.60			
24	B	323.91	139.28	6.00	284.00	0.00	0.00	0.60			
25	B	318.91	118.81	6.00	191.00	0.00	0.00	0.60			
24	D	362.29	180.71	6.00	16.00	0.00	0.00	0.60			
26	D	367.53	135.52	6.00	9.00	0.00	0.00	0.80			
29	B	292.13	169.73	6.00	9.00	0.00	0.00	0.60			
30	B	312.38	154.24	6.00	194.00	0.00	0.00	0.60			
31	D	332.58	195.92	6.00	283.00	0.00	0.00	0.60			
32	D	341.40	182.09	6.00	196.00	0.00	0.00	0.60			
33	B	284.92	131.87	6.00	278.00	0.00	0.00	0.60			
34	D	329.85	167.08	6.00	311.00	0.00	0.00	0.60			
35	D	348.73	170.70	6.00	249.00	0.00	0.00	0.60			
34	D	371.72	114.41	6.00	9.00	0.00	0.00	0.80			
41	B	296.07	150.90	6.00	13.00	0.00	0.00	0.60			
42	B	308.48	173.23	6.00	191.00	0.00	0.00	0.60			

Horizontal Illuminance (lux)

Oisín Kelly Park



Results

Eav	6.79
Emin	1.68
E _{max}	16.91
Emin/E _{max}	0.10
Emin/Eav	0.25

Horizontal Illuminance (lux)

MAIN APARTMENT BLOCKS & ROUTES

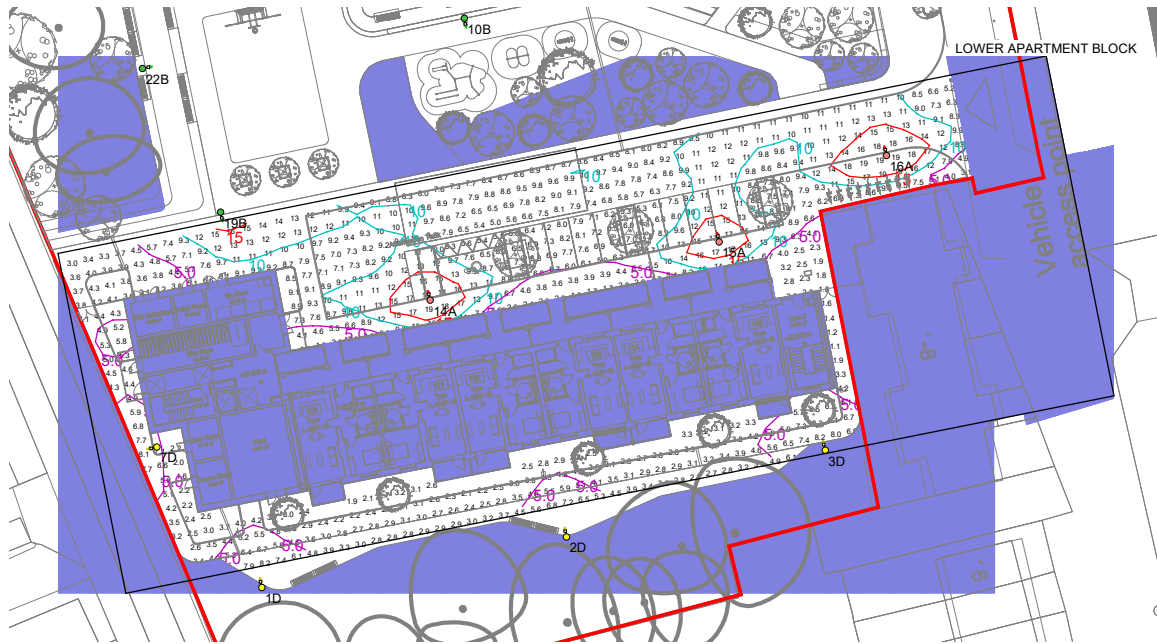


Results

Eav	7.07
Emin	1.02
Emax	15.46
Emin/Emax	0.07
Emin/Eav	0.14

Horizontal Illuminance (lux)

LOWER APARTMENT BLOCK



Results

Eav	7.60
Emin	1.13
E _{max}	19.30
E _{min} /E _{max}	0.06
E _{min} /E _{av}	0.15