

DATE: 25 March 2024

DESIGNER:

PROJECT No: 2972

PROJECT NAME: SHB4

**LIGHTING
REALITY**

Outdoor Lighting Report

**Development at Croke Villas,
Sackville Avenue, Dublin 3**

Layout Report

General Data

Dimensions in Metres Angles in Degrees
Grid Origin 99.5m x 109.5m
Area 181.0m x 143.0m
Sample Spacing 1.50m x 1.49m

Luminaires



Luminaire A Data

Supplier	Urbis Schreder
Type	AXIA 2.1 5167 Integrated lenses 16 OSOLON SQUARE GIANT@600mA
Lamp(s)	16 OSOLON SQUARE GIANT@600mA NW 74 0 230V 00-36-648
LampFlux(klm)/Colour	4.28 NW 4000K/70
File Name	AXIA 2.1 5167 16 OSOLON SQUARE GIANT 600mA NW 740 31W 434362 Integrated lens...
Maintenance Factor	0.84
Imax70,80,90(cd/klm)	1162.3, 202.9, 3.0
No. in Project	15

Luminaire B Data

Supplier	Urbis Schreder
Type	SHUFFLE 360 LGT GEN2 5140 24 XP-G3@500mA NW 740 230V 01-37-043
Lamp(s)	24 XP-G3@500mA NW 740 230V 01-37-043 [CJOIT6STDA], valid from
Lamp Flux (klm)	6.00
File Name	SHUFFLE 360 LGT GEN2 5140 24 XP-G3 500mA NW 740 38.1W 2x2 II-Short 493402 P...
Maintenance Factor	0.84
Imax70,80,90(cd/klm)	307.1, 26.3, 6.1
No. in Project	7

Luminaire C Data

Supplier	Urbis Schreder
Type	SHUFFLE 360 LGT GEN2 5140 24 XP-G3@350mA NW 740 230V 01-37-043
Lamp(s)	24 XP-G3@350mA NW 740 230V 01-37-043 [CJOIT6STDA], valid from
Lamp Flux (klm)	4.39
File Name	SHUFFLE 360 LGT GEN2 5140 24 XP-G3 350mA NW 740 26.6W 2x2 II-Short 493402 P...
Maintenance Factor	0.84
Imax70,80,90(cd/klm)	307.1, 26.3, 6.1
No. in Project	6

Layout

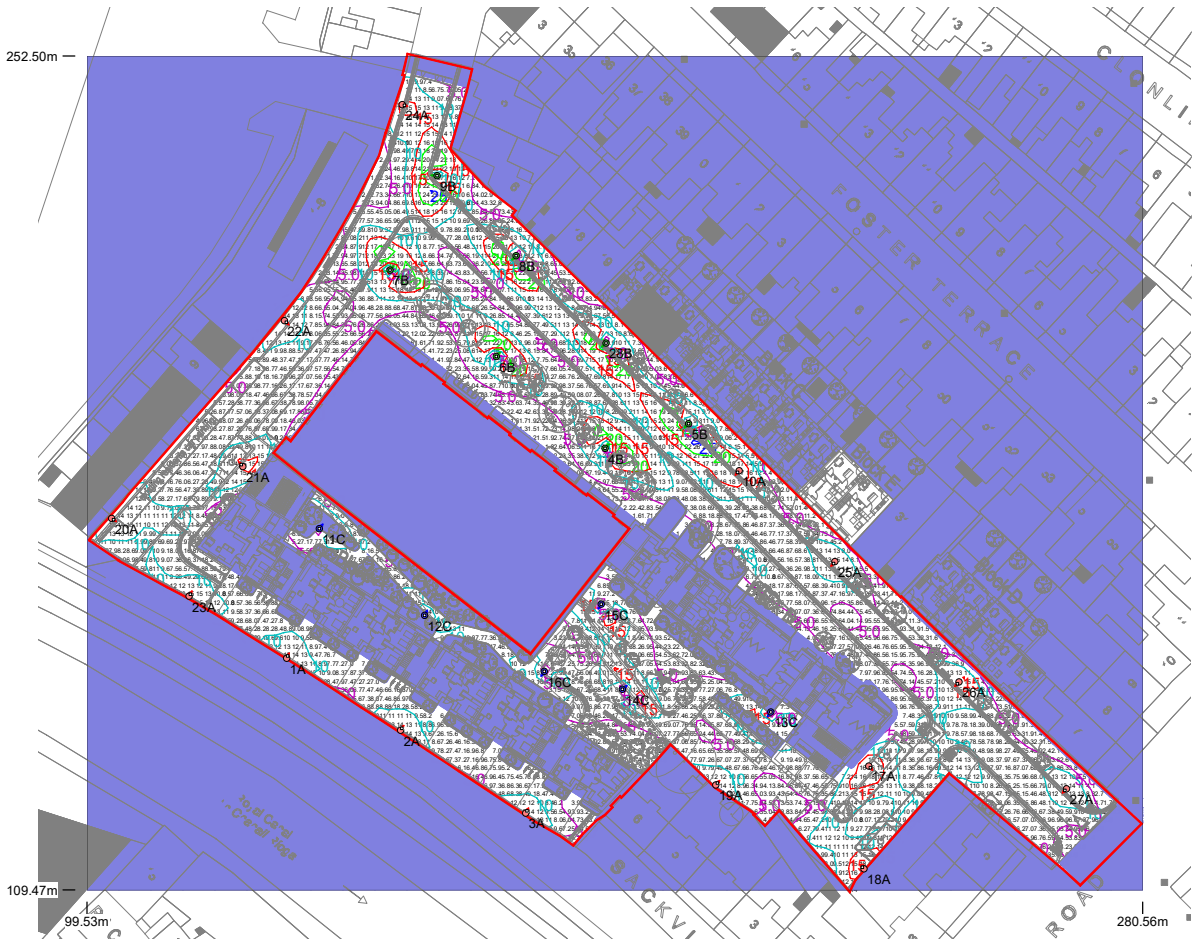
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Dimmed to	Target X	Target Y	Target Z
1	A	133.74	149.28	6.00	62.00	0.00	0.00	0.40	100%			
2	A	153.28	136.89	6.00	56.00	0.00	0.00	0.40	100%			
3	A	174.75	122.71	6.00	62.00	0.00	0.00	0.40	100%			
4	B	188.36	185.24	6.00	47.00	0.00	0.00	0.00	75%			
5	B	202.64	189.49	6.00	225.00	0.00	0.00	0.00	75%			
6	B	169.68	201.00	6.00	47.00	0.00	0.00	0.00	75%			
7	B	151.48	215.80	6.00	47.00	0.00	0.00	0.00	75%			
8	B	173.11	218.25	6.00	225.00	0.00	0.00	0.00	80%			
9	B	159.52	231.98	6.00	175.00	0.00	0.00	0.00	75%			
10	A	211.33	181.41	6.00	229.00	0.00	0.00	0.40	100%			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Dimmed to	Target X	Target Y	Target Z
11	C	139.34	171.48	6.00	50.00	0.00	0.00	0.00	70%			
12	C	157.43	156.60	6.00	62.00	0.00	0.00	0.00	70%			
13	C	216.74	140.04	6.00	235.00	0.00	0.00	0.00	70%			
14	C	191.33	143.93	6.00	40.00	0.00	0.00	0.00	70%			
15	C	187.67	158.55	6.00	240.00	0.00	0.00	0.00	70%			
16	C	177.93	147.01	6.00	235.00	0.00	0.00	0.00	70%			
17	A	233.52	130.79	6.00	315.00	0.00	0.00	0.40	100%			
18	A	232.73	113.13	6.00	133.00	0.00	0.00	0.40	100%			
19	A	207.34	127.53	6.00	50.00	0.00	0.00	0.40	100%			
20	A	103.75	173.24	6.00	326.00	0.00	0.00	0.40	80%			
21	A	126.27	182.13	6.00	133.00	0.00	0.00	0.40	100%			
22	A	133.39	207.11	6.00	318.00	0.00	0.00	0.40	100%			
23	A	117.04	159.90	6.00	61.00	0.00	0.00	0.40	100%			
24	A	153.55	244.15	6.00	345.00	0.00	0.00	0.40	100%			
25	A	227.76	165.81	6.00	228.00	0.00	0.00	0.40	100%			
26	A	249.00	145.19	6.00	228.00	0.00	0.00	0.40	100%			
27	A	267.44	126.89	6.00	226.00	0.00	0.00	0.40	100%			
28	B	188.49	203.32	6.00	225.00	0.00	0.00	0.00	75%			

Horizontal Illuminance (lux)

Developent at Croke Villa's



Results

Eav	8.72
Emin	1.04
E _{max}	25.86
E _{min} /E _{max}	0.04
E _{min} /E _{av}	0.12