

DATE: 16 May 2025
DESIGNER: D.Larkin
PROJECT No: CBENG-2025-R0
PROJECT NAME: Cappagh Social & Affordable housing scheme, Galway



Outdoor Lighting Report

The lighting design has achieved the following Lighting Standards:
IS EN 13201- 2:2015 / BS5489-1:2020

“Electric Skyline confirms that this Design complies with relevant Lighting Standards. However as the Design was prepared on a Desktop basis, Electric Skyline assumes no responsibility or liability for any errors or omissions which may occur due to varying conditions on the Project site. This Design is provided on a provisional basis only, with no guarantees of completeness or accuracy until on-site surveys are completed by associated Contractors and all Safety Rules and Codes of Practice have been taken into consideration.”

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	524745.37	724430.95	103.02	95.96	1.49	1.50
2	Grid 2	524809.52	724350.48	88.52	85.62	1.48	1.48

Luminaires

Luminaire B Data

Supplier	Schröder
Type	OYO 50008 Low depth bowl, PC, Smooth 20 LEDs LED@111mA Drive
Lamp(s)	20 LEDs@111mA WW 730 230V 1x01-37-043 - DRIVER_SIGNIFY_FP_40W
LampFlux(klm)/Colour	0.93 3000K/70
File Name	OYO 50008 20 LEDs Drv 111mA WW 730 8 W 546212 Low depth bowl, PC, Smooth 2...
Maintenance Factor	0.87
Imax70,80,90(cd/klm)	285.2, 68.1, 4.3
No. in Project	11

Luminaire C Data

Supplier	Schröder
Type	OYO 5393 Low depth bowl, PC, Smooth 10 LEDs LED@180mA Driver
Lamp(s)	10 LEDs@180mA WW 730 230V 1x01-37-041 - DRIVER_SIGNIFY_FP_22W
LampFlux(klm)/Colour	0.73 3000K/70
File Name	OYO 5393 10 LEDs Drv 180mA WW 730 7 W 502622 Low depth bowl, PC, Smooth 2...
Maintenance Factor	0.87
Imax70,80,90(cd/klm)	518.5, 93.7, 7.1
No. in Project	17



Luminaire D Data

Supplier	Urbis Schreder
Type	CITEA NG2 MINI 5300 Flat, Glass Extra Clear, Smooth 10 LH351
Lamp(s)	10 LH351C@300mA WW 730 230V 01-37-041
LampFlux(klm)/Colour	1.29 WW 3000K/70
File Name	CITEA NG2 MINI 5300 10 LH351C 300mA WW 730 10.5W 490492 Flat, Glass Extra C...
Maintenance Factor	0.87
Imax70,80,90(cd/klm)	1188.4, 73.8, 0.0
No. in Project	4

Layout

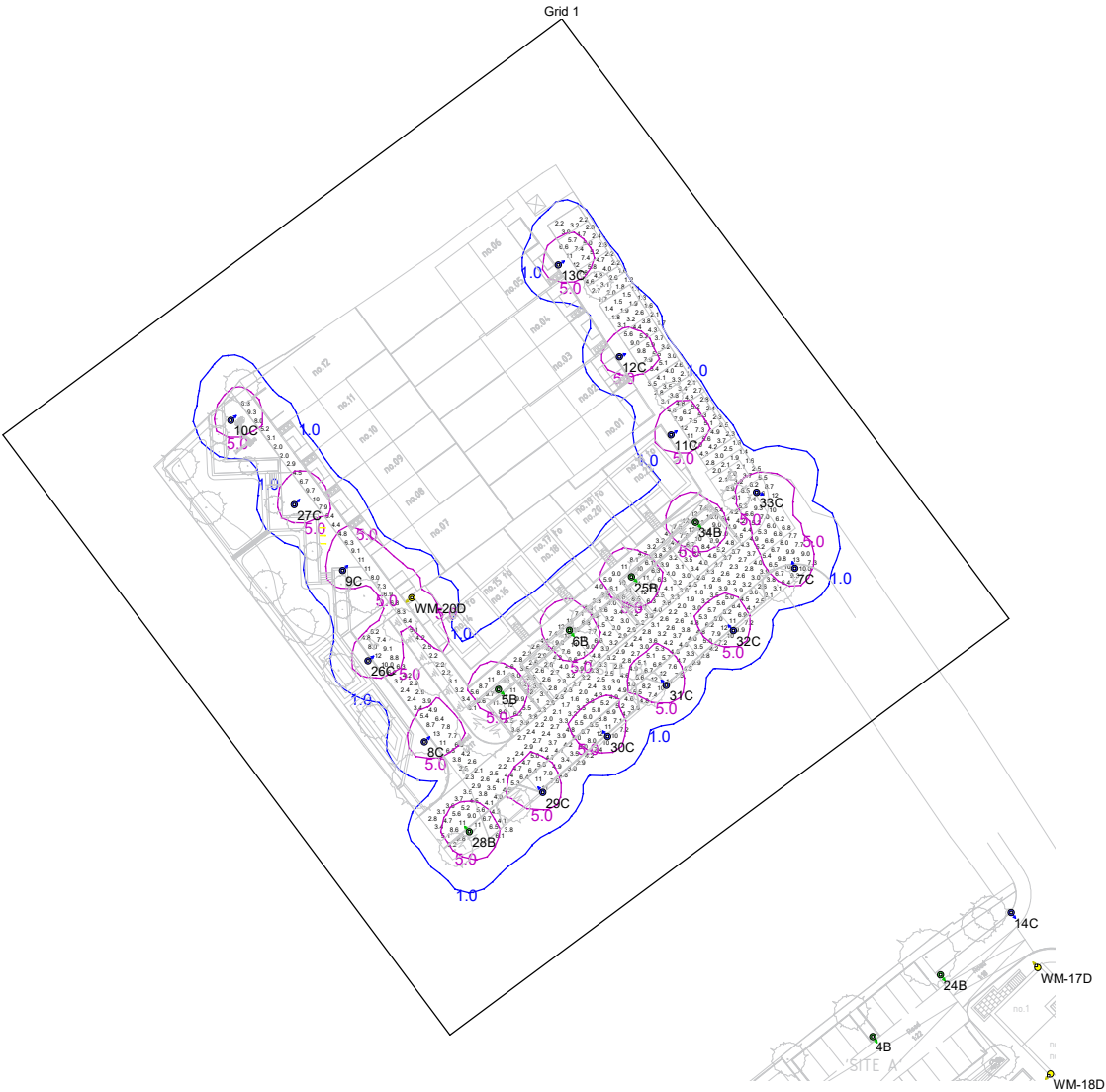
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	B	524899.39	724340.68	3.00	133.00	0.00	0.00	0.00			
2	C	524852.43	724321.04	3.00	35.00	0.00	0.00	0.00			
3	B	524876.14	724339.99	3.00	132.00	0.00	0.00	0.00			
4	B	524865.12	724348.11	3.00	308.00	0.00	0.00	0.00			
5	B	524813.61	724395.94	3.00	317.00	0.00	0.00	0.00			
6	B	524823.37	724404.05	3.00	308.00	0.00	0.00	0.00			
7	C	524854.39	724412.61	3.00	110.00	0.00	0.00	0.00			
8	C	524803.41	724388.72	3.00	43.00	0.00	0.00	0.00			
9	C	524792.16	724412.32	3.00	45.00	0.00	0.00	0.00			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
10	C	524776.74	724432.97	3.00	42.00	0.00	0.00	0.00			
11	C	524837.37	724430.96	3.00	35.00	0.00	0.00	0.00			
12	C	524830.24	724441.72	3.00	25.00	0.00	0.00	0.00			
13	C	524821.84	724454.36	3.00	33.00	0.00	0.00	0.00			
14	C	524884.16	724365.23	3.00	308.00	0.00	0.00	0.00			
15	C	524843.89	724330.48	3.00	52.00	0.00	0.00	0.00			
WM-17	D	524887.85	724357.65	3.00	132.00	0.00	0.00	0.35			
WM-18	D	524889.57	724342.98	3.00	228.00	0.00	0.00	0.35			
WM-19	D	524863.94	724312.80	3.00	224.00	0.00	0.00	0.35			
WM-20	D	524801.65	724408.57	3.00	218.00	0.00	0.00	0.00			
21	B	524856.39	724341.14	3.00	308.00	0.00	0.00	0.00			
22	B	524865.37	724329.59	3.00	124.00	0.00	0.00	0.00			
24	B	524874.44	724356.62	3.00	308.00	0.00	0.00	0.00			
25	B	524831.91	724411.46	3.00	317.00	0.00	0.00	0.00			
26	C	524795.64	724399.88	3.00	40.00	0.00	0.00	0.00			
27	C	524785.49	724421.40	3.00	42.00	0.00	0.00	0.00			
28	B	524809.60	724376.34	3.00	132.00	0.00	0.00	0.00			
29	C	524819.72	724381.74	3.00	132.00	0.00	0.00	0.00			
30	C	524828.63	724389.46	3.00	132.00	0.00	0.00	0.00			
31	C	524836.68	724396.48	3.00	132.00	0.00	0.00	0.00			
32	C	524845.93	724404.03	3.00	132.00	0.00	0.00	0.00			
33	C	524849.11	724423.08	3.00	342.00	0.00	0.00	0.00			
34	B	524840.72	724418.93	3.00	317.00	0.00	0.00	0.00			

Horizontal Illuminance (lux)

Grid 1

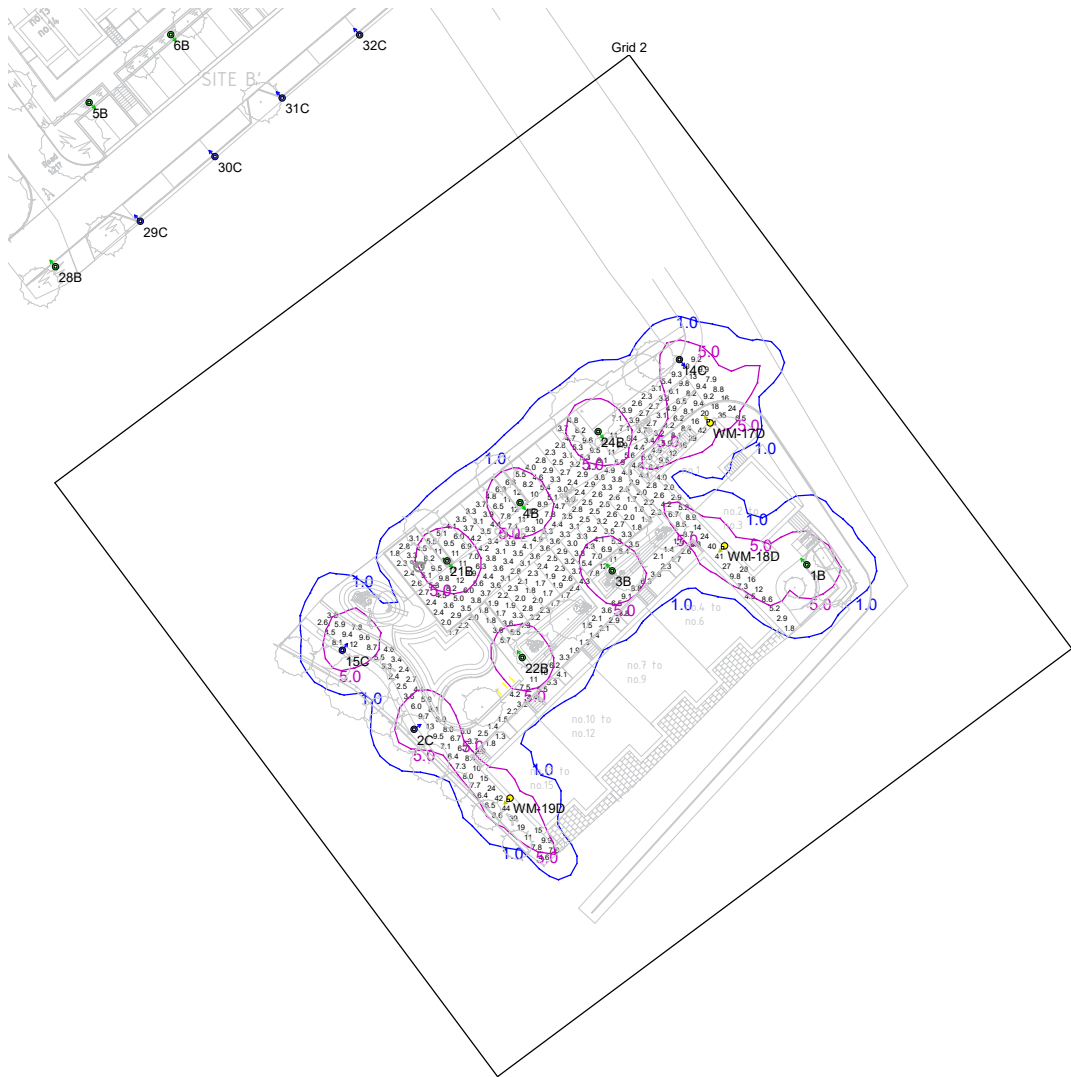


Results

Eav	5.28
Emin	1.12
Emax	12.66
Emin/Emax	0.09
Emin/Eav	0.21

Horizontal Illuminance (lux)

Grid 2



Results

Eav	6.43
Emin	1.27
Emax	44.06
Emin/Emax	0.03
Emin/Eav	0.20