

DATE: 16 March 2022
DESIGNER: Thomas McCormack / Ross Traynor
PROJECT No: 21043
PROJECT NAME: Lord Mayor SHD, Swords Main Street



Area designed to EN13201-2-2020 CATEGORY P4 and in accordance with Fingal County Council specification for Public Lighting installations.

Lighting interface with the Ward Valley is subject to further agreement with Fingal County Council.

Public Lighting report

Layout Report

General Data

Dimensions in Metres Angles in Degrees
Grid Origin -553.4m x 80.4m
Area 165.9m x 201.4m
Sample Spacing 1.49m x 1.49m

Luminaires



Luminaire A Data

Supplier	C U Phosco
Type	P852-12-R1-WW-CA0300-13W
Lamp(s)	730C WW
Lamp Flux (klm)	1.48
File Name	P852-12-R1-WW-CA0300-13W.ies
Maintenance Factor	0.82
Imax70,80,90(cd/klm)	675.0, 62.2, 0.9
No. in Project	11



Luminaire B Data

Supplier	C U Phosco
Type	P852-12-R3B-WW-CA0250-11W
Lamp(s)	730C WW
Lamp Flux (klm)	1.28
File Name	P852-12-R3B-WW-CA0250-11W.ies
Maintenance Factor	0.82
Imax70,80,90(cd/klm)	876.7, 56.5, 1.7
No. in Project	10



Luminaire C Data

Supplier	C U Phosco
Type	P852-12-R3B-WW-CA0200-9W
Lamp(s)	730C WW
Lamp Flux (klm)	1.04
File Name	P852-12-R3B-WW-CA0200-9W.ies
Maintenance Factor	0.82
Imax70,80,90(cd/klm)	876.7, 56.5, 1.7
No. in Project	28

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	-408.66	113.17	5.00	65.00	5.00	0.00	0.40			
2	A	-395.23	129.44	5.00	202.00	5.00	0.00	0.40			
3	A	-406.75	131.68	5.00	199.00	5.00	0.00	0.40			
4	A	-433.39	126.54	5.00	66.00	5.00	0.00	0.40			
5	A	-420.59	137.22	5.00	286.00	5.00	0.00	0.40			
6	A	-456.04	137.61	5.00	60.00	0.00	0.00	0.40			
7	B	-446.05	148.02	5.00	337.00	0.00	0.00	0.40			
8	A	-430.25	144.90	5.00	288.00	5.00	0.00	0.40			
9	B	-470.15	152.42	5.00	41.00	0.00	0.00	0.40			
10	B	-484.83	154.79	5.00	332.00	0.00	0.00	0.40			

Layout Continued

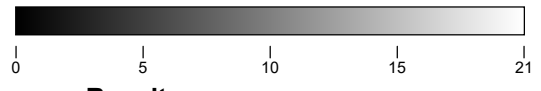
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
11	B	-487.80	162.13	5.00	60.00	0.00	0.00	0.40			
12	B	-502.69	165.44	5.00	115.00	0.00	0.00	0.40			
13	B	-482.68	178.47	5.00	289.00	0.00	0.00	0.40			
14	C	-496.75	181.10	4.00	151.00	0.00	0.00	0.40			
15	B	-463.84	187.43	5.00	289.00	0.00	0.00	0.40			
16	B	-448.99	189.96	5.00	292.00	0.00	0.00	0.40			
17	B	-453.68	171.86	5.00	20.00	0.00	0.00	0.40			
18	B	-445.92	162.41	5.00	214.00	0.00	0.00	0.40			
19	C	-398.74	144.78	4.00	9.00	0.00	0.00	0.40			
20	A	-407.60	154.07	5.00	293.00	5.00	0.00	0.40			
21	C	-402.46	171.90	4.00	9.00	0.00	0.00	0.40			
22	C	-405.12	193.03	4.00	9.00	0.00	0.00	0.40			
23	C	-410.74	226.21	4.00	6.00	0.00	0.00	0.40			
24	A	-411.68	208.86	5.00	289.00	0.00	0.00	0.40			
25	A	-430.78	201.41	5.00	287.00	0.00	0.00	0.40			
26	A	-419.72	193.31	5.00	112.00	0.00	0.00	0.40			
27	C	-411.46	162.98	4.00	182.00	0.00	0.00	0.40			
28	C	-414.04	181.44	4.00	186.00	0.00	0.00	0.40			
29	C	-414.30	249.93	4.00	7.00	0.00	0.00	0.40			
30	C	-423.44	265.84	4.00	355.00	0.00	0.00	0.40			
31	C	-417.86	269.44	4.00	5.00	0.00	0.00	0.40			
32	C	-426.31	244.09	4.00	171.00	0.00	0.00	0.40			
33	C	-421.38	216.01	4.00	177.00	0.00	0.00	0.40			
34	C	-431.07	230.45	4.00	288.00	0.00	0.00	0.40			
35	C	-454.31	222.50	4.00	292.00	0.00	0.00	0.40			
36	C	-475.46	215.46	4.00	292.00	0.00	0.00	0.40			
37	C	-496.36	208.45	4.00	286.00	0.00	0.00	0.40			
38	C	-506.17	193.32	4.00	154.00	0.00	0.00	0.40			
39	C	-514.05	161.83	4.00	158.00	0.00	0.00	0.40			
40	C	-503.03	184.06	4.00	154.00	0.00	0.00	0.40			
41	C	-514.34	175.82	5.00	150.00	5.00	0.00	0.40			
42	C	-530.33	137.74	4.00	157.00	0.00	0.00	0.40			
43	C	-539.80	118.33	4.00	152.00	0.00	0.00	0.40			
44	C	-526.57	176.75	5.00	32.00	5.00	0.00	0.40			
45	C	-544.37	181.63	4.00	98.00	0.00	0.00	0.40			
46	C	-522.56	190.86	5.00	286.00	5.00	0.00	0.40			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
47	C	-526.95	158.43	4.00	343.00	0.00	0.00	0.40			
48	C	-516.57	142.97	4.00	246.00	0.00	0.00	0.40			
49	C	-495.56	135.02	4.00	243.00	0.00	0.00	0.40			

Horizontal Illuminance (lux)

Grid 1



Results

Eav	6.73
Emin	1.20
Emax	20.58
Emin/Emax	0.06
Emin/Eav	0.18