

ID	Type	X	Y	Height	Angle	Tilt	Cast	Output (lm)
1	D	65.28	265.8	6	278	0	0	0.5
2	D	34.7	277.9	6	308	0	0	0.5
3	D	19.68	299.7	6	313	0	0	0.5
4	D	7.6	318.5	6	313	0	0	0.5
5	D	27.74	339.9	6	313	0	0	0.5
6	D	44.02	361.1	6	279	0	0	0.5
7	D	100.62	370.2	6	276	0	0	0.5
8	D	63.21	364	6	268	0	0	0.5
9	A	30.21	303.6	6	132	0	0	0.5
10	B	49.73	284	6	218	0	0	0.5
11	B	63.99	256.9	6	206	0	0	0.5
12	A	18.17	276.4	6	297	0	0	0.5
13	B	4.29	257.3	6	312	0	0	0.5
14	B	38.23	243.2	6	98	0	0	0.5
15	A	18.71	238.4	6	108	0	0	0.5
16	B	23.36	230.4	6	16	0	0	0.5
17	A	1.47	227.1	6	105	0	0	0.5
18	B	82.64	237	6	239	0	0	0.5
19	A	65.71	220.1	6	331	0	0	0.5
20	B	79.92	193	6	170	0	0	0.5
21	B	49.37	178.7	6	108	0	0	0.5
22	B	0.66	164.6	6	109	0	0	0.5
23	B	15.25	177.5	6	281	0	0	0.5
24	B	24.84	150.2	6	16	0	0	0.5
25	C	46.31	62.07	6	96	0	0	0.5
26	C	72.12	60.35	6	96	0	0	0.5
27	C	103.39	57.66	6	87	0	0	0.5
28	C	135.16	55.12	6	93	0	0	0.5
29	C	165.78	62.04	6	103	0	0	0.5
30	C	195.09	69.66	6	107	0	0	0.5
31	C	225.9	80.16	6	107	0	0	0.5
32	C	246.76	90.07	6	179	0	0	0.5
33	C	11.44	78.55	6	18	0	0	0.5
34	B	29.34	89.28	6	184	0	0	0.5
35	B	33.27	118.3	6	18	0	0	0.5
36	A	13.31	108.5	6	283	0	0	0.5
37	A	43.84	101.5	6	107	0	0	0.5
38	B	69.31	120.1	6	282	0	0	0.5
39	B	73.71	128.5	6	107	0	0	0.5
40	A	94.18	129.5	6	288	0	0	0.5
41	B	113.3	125.2	6	110	0	0	0.5
42	B	128.64	155.5	6	200	0	0	0.5
43	B	122.51	180.3	6	200	0	0	0.5
44	B	116.34	208.9	6	182	0	0	0.5
45	A	108.31	231	6	281	0	0	0.5
46	B	137.51	227.3	6	264	0	0	0.5
47	B	173.42	224.6	6	280	0	0	0.5
48	B	205.2	225.9	6	281	0	0	0.5
49	B	166.23	196.8	6	198	0	0	0.5
50	B	195.2	169.6	6	195	0	0	0.5
51	B	203.05	128.9	6	200	0	0	0.5
52	A	185.82	94.05	6	18	0	0	0.5
53	E	222.35	109.6	6	264	0	0	0.5
54	A	217.84	88.24	6	100	0	0	0.5
55	B	173.46	119.6	6	285	0	0	0.5
56	B	175.72	104	6	101	0	0	0.5
57	B	141.88	117.7	6	291	0	0	0.5
58	B	142.18	93.75	6	108	0	0	0.5
59	B	137.47	120	6	200	0	0	0.5
60	B	119.21	200	6	174	0	0	0.5
61	B	114.71	287.4	6	202	0	0	0.5
62	B	107.58	319	6	203	0	0	0.5
63	E	103.51	346	6	177	0	0	0.5
64	B	95.89	326.4	6	128	0	0	0.5
65	B	84.59	322.7	6	106	0	0	0.5
66	E	93.28	151.8	6	186	0	0	0.5
67	E	88.59	179.7	6	188	0	0	0.5
68	B	52.46	343.8	6	121	0	0	0.5
69	B	28.32	287.6	6	115	0	0	0.5
70	E	93.29	208.5	6	148	0	0	0.5
71	E	117.75	99.16	6	188	0	0	0.5
72	E	82.48	253.4	6	107	0	0	0.5
73	E	125.79	71.63	6	68	0	0	0.5
74	E	107.17	78.43	6	101	0	0	0.5
75	B	35.72	273.1	6	32	0	0	0.5
76	E	111.08	143.3	6	328	0	0	0.5

**Notes:**

- Do NOT scale from this drawing.
- The actual results achieved may vary from predicted values due to normal deviations in luminaires installation, electrical supply, equipment tolerances, obstructions including poles, vegetation and mounting arms, etc.
- This design is based on a preliminary assessment only and will be developed during the detailed design stage by the Public Lighting Specialist.

**Legend:**

Symbol	Description
●	Luminaire A Column
●	Luminaire B Column
●	Luminaire C Column
●	Luminaire D Column
●	Luminaire E Column
○	Beam Aimed Target
□	Photometric Centre

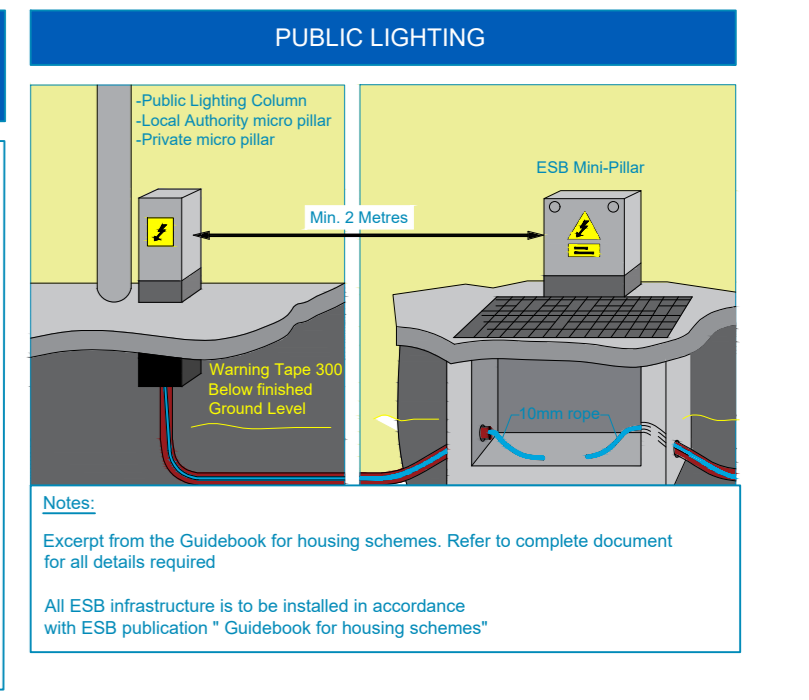
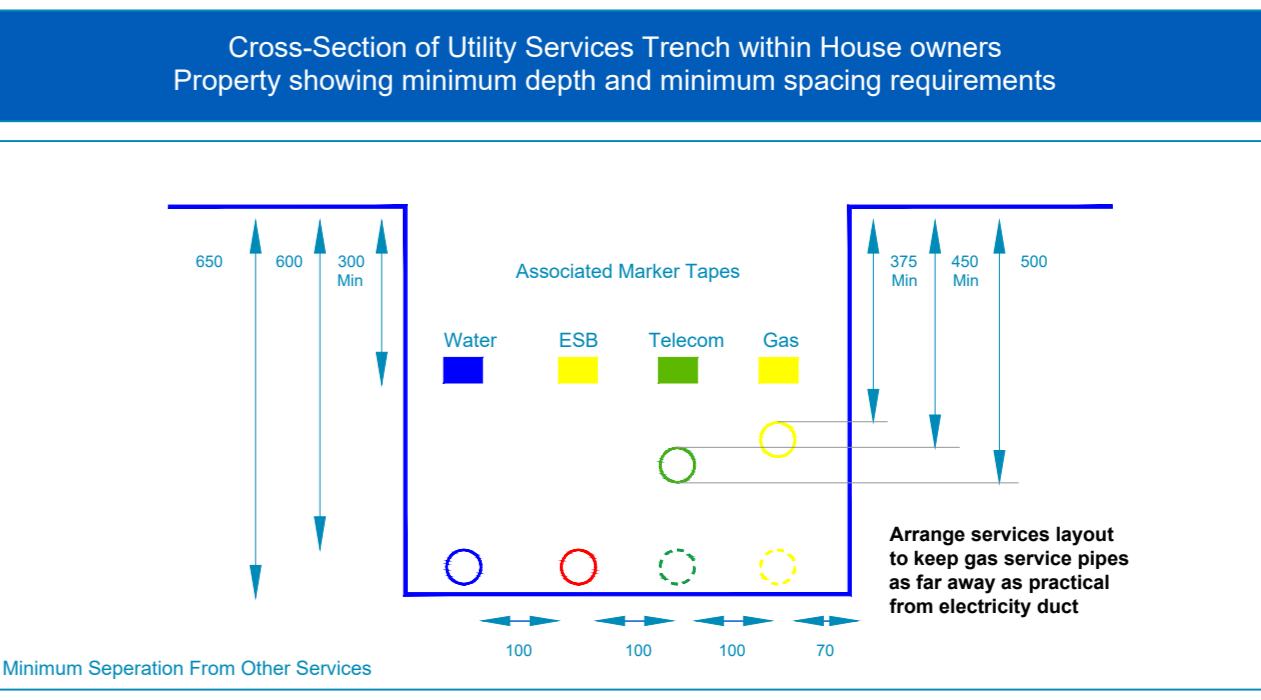


**Luminaire Schedule**

Symbol	Description	Lamp(s)	MF	Quantity	Lamp Flux (lm)	(max 75, 80, 90 (cd/m²))
●	Vesite Metro Streetlight 27w LED Street Cycle A optic	Lamp 1xLED 2700K G4	0.80	11	2,811	401.3, 47.0, 0.5
●	Vesite Metro Streetlight 27w LED Street Cycle R03	Lamp 1xLED 2700K G4	0.80	36	2,820	537.8, 56.5, 0.3
●	Vesite Metro Streetlight 14w LED Street Cycle R01 white/white	Lamp 1xLED 2700K G4	0.80	9	1,300	122.0, 27.3, 8.3
●	Existing LED Streetlight 30w ESTIMATE	Lamp LED 4000K ESTIMATE	0.80	8	4,900	537.8, 56.5, 0.3
●	Vesite Metro Streetlight 14w LED Street Cycle R01	Lamp 1xLED 2700K G4	0.80	10	1,300	680.3, 307.6, 0.6

**Calculation Summary**

Calculation	Edav	Emax	Emin	Emax/Edav	Emax/Emax	Emax/Edav
Edav at Paths	0.99	28.47	1.17	2.20	0.04	4.75
Light Spill Beyond SAC Boundary	0.10	0.92	0.00	0.91	0.00	9.41



**1 PUBLIC LIGHTING CALCULATIONS LAYOUT**  
SCALE 1:500

**S3 - INFORMATION**

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Figured dimension only to be taken from this drawing. All dimensions to be checked on site. Consultants to be informed immediately of any discrepancies before work proceeds.

REV. NO.	DATE	REVISION NOTE	DWN BY:	CHK BY:
P01	28/11/2025	ISSUED FOR INFORMATION	IV	BC
P02	20/05/2026	ISSUED FOR INFORMATION	CL	DC
P03	26/06/2026	ISSUED FOR INFORMATION	CL	DC

CLIENT:	LOUGHLIN DEVELOPMENTS						
PROJECT:	RESIDENTIAL DEVELOPMENT KILDALKEY ROAD, TRIM, Co. MEATH						
TITLE:	PUBLIC LIGHTING CALCULATIONS LAYOUT						
DRAWN:	CL	CHECKED:	DC	APPROVED:	DC	JOB NO:	252741
DATE:	22/10/2025	SCALE:	1:500	DRAWING NO:	252741-ORS-ZZ-00-DR-E-6302	REV:	P03

