



1 PUBLIC LIGHTING LAYOUT  
SCALE 1:500

ID	Type	X	Y	Height	Angle	Tilt	Cost	Output (lm)
1	D	45.28	268.8	6	278	0	0	0.5
2	D	34.7	277.9	6	308	0	0	0.5
3	D	10.88	290.7	6	313	0	0	0.5
4	D	7.2	318.5	6	313	0	0	0.5
5	D	37.14	339.8	6	313	0	0	0.5
6	D	44.42	368.1	6	275	0	0	0.5
7	D	100.82	370.2	6	278	0	0	0.5
8	D	63.21	384	6	308	0	0	0.5
9	A	30.21	303.5	6	232	0	0	0.5
10	B	49.73	294	6	218	0	0	0.5
11	B	63.68	258.9	6	206	0	0	0.5
12	A	18.17	278.4	6	317	0	0	0.5
13	B	-0.29	297.3	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	106	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	66.72	220.1	6	331	0	0	0.5
20	B	78.82	183	6	170	0	0	0.5
21	B	49.37	176.7	6	106	0	0	0.5
22	B	-0.66	164.5	6	109	0	0	0.5
23	B	15.25	177.5	6	281	0	0	0.5
24	B	24.41	190.7	6	16	0	0	0.5
25	C	42.35	62.82	6	90	0	0	0.5
26	C	72.12	60.35	6	86	0	0	0.5
27	C	103.36	57.86	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	195.59	69.98	6	107	0	0	0.5
31	C	225.9	80.18	6	107	0	0	0.5
32	C	246.76	88.57	6	179	0	0	0.5
33	C	11.44	78.55	6	18	0	0	0.5
34	B	29.34	69.28	6	164	0	0	0.5
35	B	33.27	116.3	6	18	0	0	0.5
36	A	13.31	109.5	6	283	0	0	0.5
37	A	42.84	103.5	6	107	0	0	0.5
38	B	69.75	123.4	6	107	0	0	0.5
39	B	73.71	108.9	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	209.8	6	182	0	0	0.5
45	A	108.57	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	260	0	0	0.5
48	B	205.2	220.9	6	281	0	0	0.5
49	B	188.23	196.8	6	198	0	0	0.5
50	B	192.7	180.8	6	192	0	0	0.5
51	B	203.05	126.9	6	200	0	0	0.5
52	A	195.82	94.65	6	16	0	0	0.5
53	E	222.35	109.6	6	254	0	0	0.5
54	A	217.84	88.24	6	190	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	144.88	113.7	6	281	0	0	0.5
58	B	143.18	83.79	6	108	0	0	0.5
59	B	137.47	120	6	200	0	0	0.5
60	B	119.21	250	6	174	0	0	0.5
61	B	114.71	287.4	6	202	0	0	0.5
62	B	107.56	319	6	203	0	0	0.5
63	B	103.11	348	6	177	0	0	0.5
64	B	56.59	305.4	6	129	0	0	0.5
65	B	84.59	323.7	6	106	0	0	0.5
66	E	93.29	151.8	6	188	0	0	0.5
67	E	66.59	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	110	0	0	0.5
70	E	92.32	288.5	6	148	0	0	0.5
71	E	117.75	96.18	6	188	0	0	0.5
72	E	80.48	70.94	6	101	0	0	0.5
73	E	125.79	71.83	6	66	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	140.3	6	208	0	0	0.5

**LEGEND**

- Luminaire A
- Luminaire B
- Luminaire C
- Luminaire D
- Luminaire E
- Beam Aiming Target
- Photometric Centre
- ESS Meter
- ESS Meter
- Public Lighting Microtrench
- Inspection Chamber
- Public Lighting Duct

**NOTE:**  
 1. The actual results achieved may vary from predicted values due to normal deviation in luminaire installation, electrical supply, equipment tolerances, obstructions including poles, brackets and mounting arms, reflections etc.  
 2. This design is based on a preliminary assessment only and will be developed during the detailed design stage by the Public Lighting Specialist.



**Luminaire Schedule**

Symbol	Description	Lamp(s)	MF	Quantity	Lamp Flux (lm)	(max 70, 80, 90 (cd/m²))
●	Veolia Metro Streetlight 27w LED Street Type A Optic	Lamp 12 LED 2700K G4	0.80	11	2.81	401.3, 47.0, 0.5
●	Veolia Metro Streetlight 27w LED Street Optic R03	Lamp 12 LED 2700K G4	0.80	38	2.82	537.8, 56.5, 0.3
●	Veolia Metro Streetlight 14w LED Street Optic R01 with shield	Lamp 8 LED 2700K G4 - Integrated External Shield	0.80	9	1.30	722.8, 275.8, 9.3
●	Veolia Metro Streetlight 30w LED Street Optic R01 with shield	Lamp LED 4000K - ESTIMATE	0.80	8	4.90	537.8, 56.5, 0.3
●	Veolia Metro Streetlight 14w LED Street Optic R01	Lamp 8 LED 2700K G4	0.80	10	1.30	680.3, 387.0, 0.6

**Calculation Summary**

Description	Elev	Emax	Emin	Emin/Eav	Emin/Emax	Eav
Road & Paths	5.99	28.47	1.17	0.20	0.04	4.75
Light Dark beyond SAC Boundary	0.10	0.92	0.09	0.01	0.00	0.41

**Cross-Section of Utility Services Trench within House owners Property showing minimum depth and minimum spacing requirements**

**Associated Marker Tapes**

- Water
- Gas
- ESS
- Public Lighting

**Arrange services layout to keep gas service pipes as far away as practical from electricity duct**

**Minimum Separation From Other Services**

**PUBLIC LIGHTING**

Public Lighting Column  
 Control Arm  
 ESS Meter  
 ESS Meter  
 Public Lighting Column  
 Control Arm  
 ESS Meter  
 ESS Meter

**NOTE:**  
 Except from the Guidebook for housing schemes. Refer to complete document for all details required.  
 All ESS infrastructure is to be installed in accordance with ESS publication "Guidebook for housing schemes"

**S3 - INFORMATION**

REV NO.	DATE	REVISION NOTE	DWN BY	CKD BY
P01	28/11/2025	ISSUED FOR INFORMATION	JW	BC
P02	20/05/2026	ISSUED FOR INFORMATION	CL	DC
P03	26/05/2026	ISSUED FOR INFORMATION	CL	DC
P04	29/05/2026	ISSUED FOR INFORMATION	CL	DC

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**CLIENT:** LOUGHLIN DEVELOPMENTS

**PROJECT:** RESIDENTIAL DEVELOPMENT KILDALKEY ROAD, TRIM, Co. MEATH

**TITLE:** PUBLIC LIGHTING 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-6300    **REV:** P04

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