

DATE: 11 December 2025
DESIGNER: F O Sullivan
PROJECT No: 23072HD
PROJECT NAME: The Mill, Ballinacurra, Midleton

**LIGHTING
REALITY**

LIGHTING CLASSIFICATION

GRID 1: Main Estate Roads & Rose Lawn - P3
GRID 2: R629 - C4
GRID 3: Minor Estate Roads & Isolated Paths- P4
GRID 4: Junction R629/Geragh Road/Rose Lawn- C3
GRID 5: Junction R629/Development Access- C3
Grid 6: Rose Hill House & Parkland Cul de Sac- P5
Grid 7: Southern Cul De Sac - P5

Outdoor Lighting Report

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	588744.25	571619.43	227.01	168.25	1.49	1.49
2	Grid 2	588939.95	571633.13	40.45	134.92	1.50	1.50
3	Grid 3	588683.16	571561.03	265.31	146.86	1.50	1.50
4	Grid 4	588855.08	571765.73	95.07	54.04	1.49	1.46
5	Grid 5	588932.95	571678.09	17.82	25.86	0.71	1.03
6	Grid 6	588682.63	571598.93	64.03	125.96	1.49	1.50
7	Grid 7	588762.65	571577.94	78.29	44.75	1.48	1.49

Luminaires

Luminaire A Data



Supplier	Philips
Type	BGP703 DM12
Lamp(s)	LED-HB 5.2S 730
Lamp Flux (klm)	6.00
File Name	Luma Gen2 Mini_BGP703_DM12_6000_40 LED_5.2S_CLO_L90_730.ies
Maintenance Factor	0.85
Imax70,80,90(cd/klm)	711.1, 84.3, 0.0
No. in Project	8

Luminaire B Data



Supplier	Philips
Type	BGP702 DW50
Lamp(s)	LED-HB 5.2S 730
Lamp Flux (klm)	3.60
File Name	Luma Gen2 Micro_BGP702_DW50_3600_2 0LED_5.2S_CLO_L90_730.ies
Maintenance Factor	0.76
Imax70,80,90(cd/klm)	595.5, 51.0, 0.0
No. in Project	27

Luminaire C Data



Supplier	Philips
Type	BGP703 DM12
Lamp(s)	LED-HB 5.2S 740
Lamp Flux (klm)	7.50
File Name	Luma Gen2 Mini_BGP703_DM12_7500_40 LED_5.2S_CLO_L90_740.ies
Maintenance Factor	0.85
Imax70,80,90(cd/klm)	711.1, 84.3, 0.0
No. in Project	4

Luminaire D Data



Supplier	Philips
Type	BGP702 DN08
Lamp(s)	LED-HB 5.2S 740
Lamp Flux (klm)	1.80
File Name	Luma Gen2 Micro_BGP702_DN08_1800_1 0LED_5.2S_CLO_L90_740.ies
Maintenance Factor	0.76
Imax70,80,90(cd/klm)	777.8, 156.1, 0.0
No. in Project	1

Luminaires



Luminaire E Data

Supplier	Philips
Type	BGP701 DRXN1
Lamp(s)	LED-HB 5.2S 740
Lamp Flux (klm)	0.80
File Name	Luma Gen2 Nano_BGP701_DRXN1_800_6LED_5.2S_CLO_L90_740.ies
Maintenance Factor	0.76
Imax70,80,90(cd/klm)	1103.8, 20.6, 0.0
No. in Project	1



Luminaire F Data

Supplier	
Type	Kirium 200 Bollard-Asymmetric Narrow-3k-30 0mA-9W
Lamp(s)	8 x 3k LED
Lamp Flux (klm)	0.86
File Name	Kirium 200 Bollard-Asymmetric Narrow-3k-30 0mA-9W.ies
Maintenance Factor	0.76
Imax70,80,90(cd/klm)	738.3, 665.9, 86.6
No. in Project	14



Luminaire G Data

Supplier	Philips
Type	BGP701 DRXN0
Lamp(s)	LED-HB 5.2S 730
Lamp Flux (klm)	1.00
File Name	Luma Gen2 Nano_BGP701_DRXN0_1000_6LED_5.2S_CLO_L90_730.ies
Maintenance Factor	0.76
Imax70,80,90(cd/klm)	1419.1, 20.0, 0.0
No. in Project	5



Luminaire H Data

Supplier	Philips
Type	BGP702 DW50
Lamp(s)	LED-HB 5.2S 740
Lamp Flux (klm)	2.00
File Name	Luma Gen2 Micro_BGP702_DW50_2000_10LED_5.2S_CLO_L90_740.ies
Maintenance Factor	0.76
Imax70,80,90(cd/klm)	595.5, 51.0, 0.0
No. in Project	12

Layout

ID /Mast	Type	X	Y	Height	Angle	Tilt	Cant	Out- reach	Target X	Target Y	Target Z
1	C	588941.45	571694.62	8.00	198.00	5.00	0.00	0.50			
2	A	588924.55	571722.92	8.00	15.00	0.00	0.00	0.50			
3	A	588917.41	571751.34	8.00	14.00	0.00	0.00	0.50			
4	A	588944.12	571665.27	8.00	18.00	0.00	0.00	0.50			
5/2	B	588923.12	571682.71	6.00	291.00	0.00	0.00	0.50			
6	B	588899.04	571717.80	6.00	17.00	0.00	0.00	0.50			
7/2	B	588923.12	571682.71	6.00	111.00	0.00	0.00	0.50			
8/3	B	588894.49	571671.87	6.00	289.00	0.00	0.00	0.50			
9	B	588876.91	571689.63	6.00	16.00	0.00	0.00	0.50			
10/4	B	588837.14	571650.15	6.00	292.00	0.00	0.00	0.50			
11	A	588845.93	571757.98	8.00	98.00	2.00	0.00	0.50			
12	C	588892.16	571789.84	8.00	235.00	5.00	0.00	0.50			
13	C	588905.41	571770.43	8.00	52.00	0.00	0.00	0.50			
14	A	588727.28	571755.91	8.00	84.00	0.00	0.00	0.50			
15	A	588879.10	571767.97	8.00	111.00	0.00	0.00	0.50			
16	C	588918.81	571783.60	8.00	272.00	5.00	0.00	0.50			
17	B	588807.48	571677.55	6.00	20.00	5.00	0.00	0.50			
18	B	588800.90	571686.47	6.00	97.00	5.00	0.00	0.50			
19	B	588773.26	571685.25	6.00	93.00	0.00	0.00	0.50			
20	B	588749.79	571683.54	6.00	178.00	0.00	0.00	0.50			
21	B	588741.37	571706.16	6.00	4.00	0.00	0.00	0.50			
22	B	588742.61	571726.93	6.00	355.00	0.00	0.00	0.50			
23	B	588755.71	571753.37	6.00	178.00	0.00	0.00	0.50			
24	A	588801.04	571754.57	8.00	91.00	0.00	0.00	0.50			
25	A	588755.75	571753.37	8.00	88.00	5.00	0.00	0.50			
26	B	588875.31	571704.28	6.00	13.00	0.00	0.00	0.50			
27	B	588872.38	571734.08	6.00	6.00	0.00	0.00	0.50			
28	B	588894.24	571738.06	6.00	19.00	0.00	0.00	0.50			
29	B	588881.07	571753.52	6.00	277.00	4.00	0.00	0.50			
31	H	588807.43	571622.36	6.00	290.00	0.00	0.00	0.50			
32	H	588817.05	571653.82	6.00	27.00	0.00	0.00	0.50			
33	B	588791.71	571644.43	6.00	288.00	0.00	0.00	0.50			
34	B	588769.59	571647.40	6.00	216.00	0.00	0.00	0.50			
36	H	588719.45	571648.09	6.00	90.00	0.00	0.00	0.50			
38	F	588860.74	571730.09	1.00	96.00	0.00	0.00	0.00			
39	F	588861.59	571719.62	1.00	274.00	0.00	0.00	0.00			

Layout Continued

ID /Mast	Type	X	Y	Height	Angle	Tilt	Cant	Out- reach	Target X	Target Y	Target Z
40	G	588838.08	571670.87	6.00	102.00	0.00	0.00	0.50			
41	G	588873.08	571678.07	6.00	105.00	0.00	0.00	0.50			
42	G	588830.36	571695.77	6.00	7.00	2.00	0.00	0.50			
44	E	588814.49	571724.70	6.00	182.00	0.00	0.00	0.50			
45	B	588793.59	571708.34	6.00	5.00	0.00	0.00	0.50			
46	H	588795.95	571739.13	6.00	272.00	5.00	0.00	0.50			
47	H	588741.31	571706.04	6.00	269.00	0.00	0.00	0.50			
48	H	588671.21	571705.21	6.00	274.00	0.00	0.00	0.50			
49	H	588710.44	571707.79	6.00	274.00	0.00	0.00	0.50			
50	F	588714.72	571694.54	1.00	177.00	0.00	0.00	0.00			
49	F	588714.44	571689.07	1.00	180.00	0.00	0.00	0.00			
54	F	588680.06	571682.60	1.00	281.00	0.00	0.00	0.00			
55	F	588672.26	571680.79	1.00	282.00	0.00	0.00	0.00			
56	F	588664.42	571679.14	1.00	282.00	0.00	0.00	0.00			
57	G	588769.83	571615.60	6.00	20.00	0.00	0.00	0.50			
58	H	588698.19	571649.01	6.00	287.00	5.00	0.00	0.50			
59	H	588687.31	571647.19	6.00	197.00	0.00	0.00	0.50			
60	B	588748.95	571655.27	6.00	182.00	0.00	0.00	0.50			
55/1	B	588865.83	571660.96	6.00	293.00	0.00	0.00	0.50			
56/1	B	588865.83	571660.96	6.00	113.00	0.00	0.00	0.50			
57/3	B	588894.49	571671.87	6.00	109.00	0.00	0.00	0.50			
58/4	B	588837.14	571650.15	6.00	112.00	0.00	0.00	0.50			
59/5	B	588807.80	571709.09	6.00	4.00	0.00	0.00	0.50			
60/5	B	588807.80	571709.09	6.00	184.00	0.00	0.00	0.50			
67	H	588787.39	571615.00	6.00	289.00	0.00	0.00	0.50			
68	D	588814.67	571638.23	6.00	199.00	5.00	0.00	0.50			
69	F	588687.87	571684.44	1.00	285.00	0.00	0.00	0.00			
70	F	588695.71	571686.20	1.00	282.00	0.00	0.00	0.00			
71	F	588703.82	571688.07	1.00	287.00	0.00	0.00	0.00			
68	F	588841.63	571728.06	1.00	98.00	0.00	0.00	0.00			
69	F	588841.79	571719.03	1.00	271.00	0.00	0.00	0.00			
70	F	588851.87	571729.20	1.00	97.00	0.00	0.00	0.00			
71	F	588852.56	571719.35	1.00	269.00	0.00	0.00	0.00			
70	H	588812.39	571739.85	8.00	181.00	0.00	0.00	0.50			
71	H	588830.03	571708.75	6.00	180.00	0.00	0.00	0.50			
72	G	588835.55	571681.69	8.00	179.00	0.00	0.00	0.50			