

DATE: 23 August 2022
DESIGNER: Damian Ryan
PROJECT No: Aug /01
PROJECT NAME: Mayestown Green

**LIGHTING
REALITY**

Outdoor Lighting Report

PREPARED BY: Damian Ryan
Fingal County Council
PL and Electrical Section
email: damian.ryan@fingal.ie
phone:0879482659

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	-2.00	-8.16	21.00	96.00	1.50	1.50
2	Grid 2	27.77	61.45	75.48	23.71	1.51	1.32
3	Grid 3	-65.91	81.76	129.06	36.00	1.48	1.50

Luminaires

Luminaire A Data

Supplier	Holophane Europe
Type	SLI.2.LA034.A2.HE.W020
Lamp(s)	LED C.3000 Lumens
Lamp Flux (klm)	3.18
File Name	SLI.2.LA034.A2.HE.W020.IES
Maintenance Factor	0.86
Imax70,80,90(cd/klm)	604.6, 149.7, 0.0
No. in Project	20

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
Existing PL 70	A	15.90	3.28	6.00	169.00	0.00	0.00	0.50			
Existing PL 68	A	25.52	46.92	6.00	174.00	5.00	0.00	0.50			
69	A	6.81	32.17	6.00	345.00	0.00	0.00	0.50			
67	A	11.71	73.65	6.00	346.00	0.00	0.00	0.50			
Existing PL	A	30.76	-16.50	6.00	256.00	0.00	0.00	0.70			
Existing PL	A	16.88	-21.88	6.00	77.00	0.00	0.00	0.70			
Existing PL	A	-23.60	-11.76	6.00	76.00	0.00	0.00	0.70			
Existing PL 57	A	37.05	62.48	6.00	81.00	0.00	0.00	0.50			
Existing PL 55	A	81.94	56.67	6.00	84.00	0.00	0.00	0.50			
58	A	48.76	79.16	6.00	270.00	0.00	0.00	0.50			
56	A	90.61	73.85	6.00	264.00	0.00	0.00	0.50			
59	A	26.73	85.67	6.00	82.00	0.00	0.00	0.50			
13	A	18.65	98.47	6.00	6.00	0.00	0.00	0.50			
66	A	-7.30	89.94	6.00	96.00	0.00	0.00	0.50			
65	A	-39.18	86.04	6.00	103.00	0.00	0.00	0.50			
64	A	-64.94	93.56	6.00	0.00	0.00	0.00	0.50			
63	A	-33.05	105.85	6.00	282.00	0.00	0.00	0.50			
62	A	6.29	110.30	6.00	276.00	0.00	0.00	0.50			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out- reach	Target X	Target Y	Target Z
61	A	40.88	114.38	6.00	287.00	0.00	0.00	0.50			
60	A	46.53	99.52	6.00	11.00	0.00	0.00	0.50			

Horizontal Illuminance (lux)

Grid 3



Results

Eav	6.38
Emin	1.51
Emax	16.71
Emin/Emax	0.09
Emin/Eav	0.24

Horizontal Illuminance (lux)

Grid 1

