

DATE: 14 June 2024
DESIGNER: Declan Doyle
PROJECT No: KE/RE/TMC/01
PROJECT NAME: Tig mo Chroi Glenamuck



Lighting to IS EN 13201:2-2015
Estate lighting to class P4,
estate & road lighting - 3000k, no dimming for estate
A) Philips Lumistreet Eco BGS010 DW 4.00klm, 26w CLO
c/w nema socket & photocell
6m column estate (existing as noted)

Outdoor Lighting Report

PREPARED BY: Declan Doyle
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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	Site	1195.33	548.82	151.17	236.45	1.50	1.50
2	Tig mo Chroi	1208.59	618.71	74.57	53.18	1.49	1.48

Luminaires

Luminaire A Data

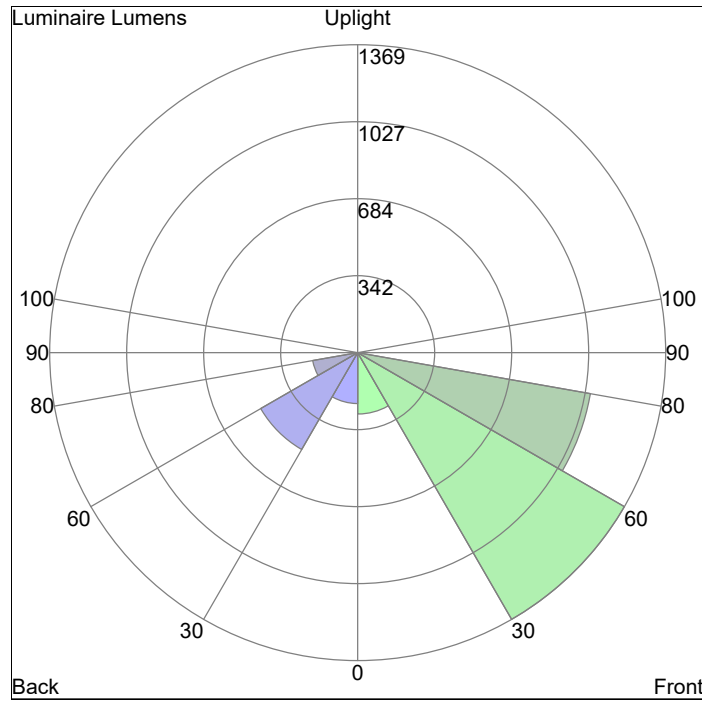
Supplier	
Type	LumiStreet gen2 Eco
Lamp(s)	LED40 L95@100kh /730 T25
Lamp Flux (klm)	4.00
File Name	BGS010 T25 FP LED40 L95@100kh-730 D W.ies
Maintenance Factor	0.76
Imax70,80,90(cd/klm)	682.8, 25.9, 0.0
No. in Project	11

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	1235.21	677.77	6.00	309.00	0.00	0.00	0.00			
2	A	1212.08	659.78	6.00	332.00	0.00	0.00	0.00	EXISTING COLUMNS RETROFITTED WITH LED AS PER SCHEDULE		
3	A	1192.07	645.70	6.00	309.00	0.00	0.00	0.00			
4	A	1172.32	642.12	6.00	309.00	0.00	0.00	0.00			
5	A	1173.99	630.53	6.00	309.00	0.00	0.00	0.00			
6	A	1152.21	628.82	6.00	233.00	0.00	0.00	0.00			
7	A	1133.12	648.11	6.00	208.00	0.00	0.00	0.00			
8	A	1128.54	678.47	6.00	179.00	0.00	0.00	0.00			
9	A	1128.83	710.07	6.00	181.00	0.00	0.00	0.00			
10	A	1121.95	741.20	6.00	232.00	0.00	0.00	0.00			
11	A	1099.92	760.45	6.00	224.00	0.00	0.00	0.00			

Luminaire Classification System (LCS) Graph

Luminaire A LumiStreet gen2 Eco



LCS	Lumens	%Lamp	%Lum
FL	273.2	6.8	7.5
FM	1368.8	34.2	37.6
FH	1050.6	26.3	28.9
FVH	12.6	0.3	0.3
BL	226.5	5.7	6.2
BM	497.1	12.4	13.7
BH	202.6	5.1	5.6
BVH	8.5	0.2	0.2
UL	0.0	0.0	0.0
UH	0.0	0.0	0.0
Total	3640.1	91.0	100.0

BUG rating=B1-U0-G1

Horizontal Illuminance (lux)

Site

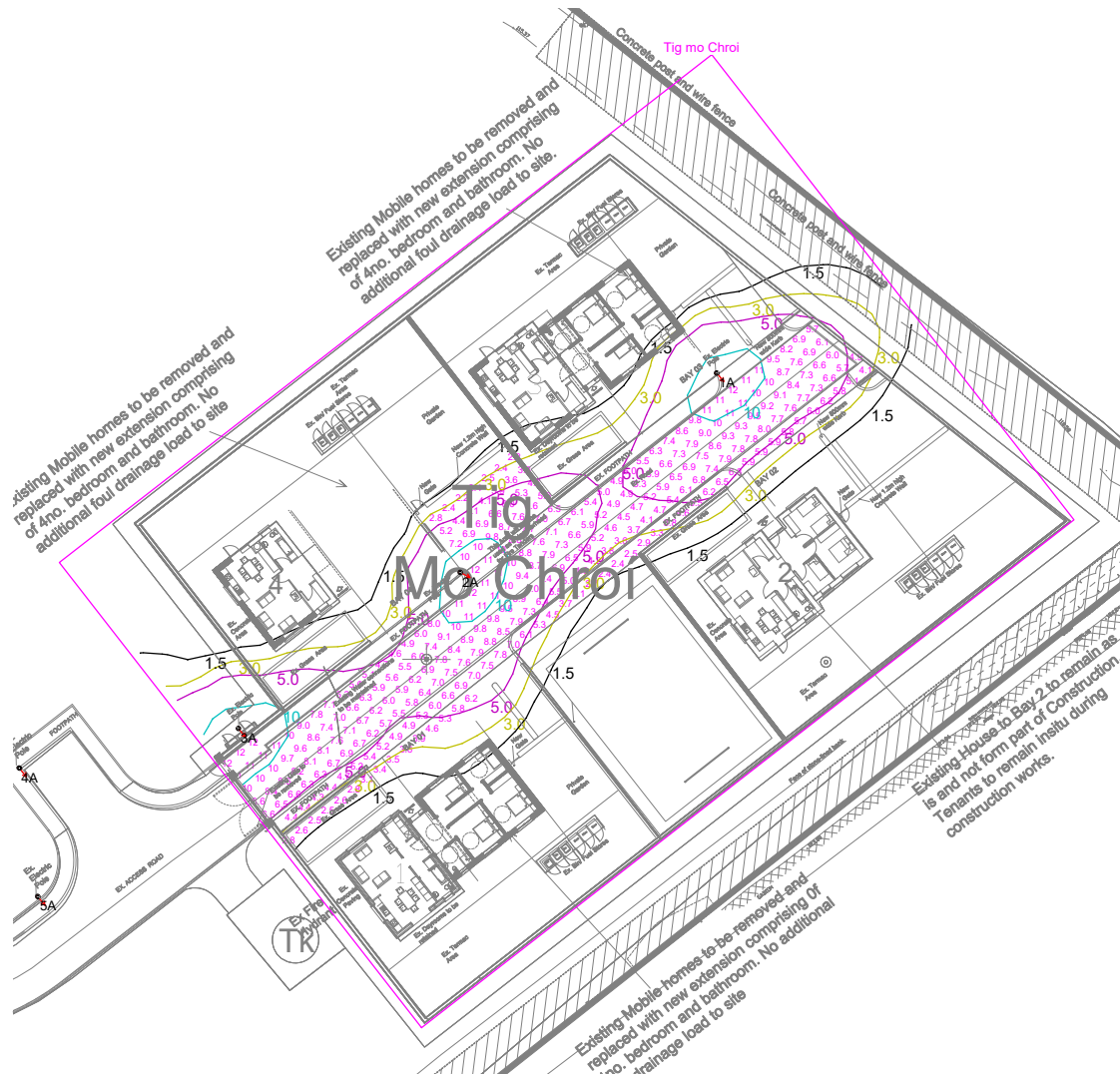


Results

Eav	7.09
Emin	1.66
E _{max}	14.10
E _{min} /E _{max}	0.12
E _{min} /E _{av}	0.23
E _{max} /E _{av}	1.99

Horizontal Illuminance (lux)

Tig mo Chroi



Results

Eav	6.78
Emin	2.19
E _{max}	12.34
Emin/E _{max}	0.18
Emin/Eav	0.32
E _{max} /Eav	1.82