

DATE: 20 January 2025
DESIGNER: ESL & CBS
PROJECT No: R01
PROJECT NAME: Housing at Gort Mhaoilir

**LIGHTING
REALITY**

Outdoor Lighting Report

The lighting design has achieved the following Lighting
Standards: P3 --EN 13201-2:2015

PREPARED BY: CBS Consulting Engineers Ltd

Layout Report

General Data

Dimensions in Metres Angles in Degrees
Grid Origin 395.4m x 729.0m
Area 216.7m x 199.5m
Sample Spacing 1.49m x 1.50m

Luminaires

Luminaire A Data

Supplier	
Type	AXIA 3 EVO 1 5266 Integrated lenses 16 O SLON SQUARE GIANT@50
Lamp(s)	16 OSLO SQUARE GIANT@500mA WW 730 230V 01-11-814
LampFlux(klm)/Colour	3.67 WW 3000K/70
File Name	25.7W 511022 Integrated lenses 230V EF E ltra-Wide ProFlex .ldt
Maintenance Factor	0.87
Imax70,80,90(cd/klm)	966.7, 185.1, 0.0
No. in Project	8

Luminaire B Data

Supplier	
Type	AXIA 3 EVO 1 5267 Integrated lenses 16 O SLON SQUARE GIANT@50
Lamp(s)	16 OSLO SQUARE GIANT@500mA WW 730 230V 01-11-814
LampFlux(klm)/Colour	3.67 WW 3000K/70
File Name	25.7W 511032 Integrated lenses 230V EF U ltra-Wide ProFlex .ldt
Maintenance Factor	0.87
Imax70,80,90(cd/klm)	829.5, 131.1, 0.0
No. in Project	19

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out- reach	Target X	Target Y	Target Z
1	B	418.09	821.21	6.00	323.00	0.00	0.00	0.80			
2	A	432.55	838.10	6.00	324.00	2.00	0.00	0.80			
3	B	462.74	857.25	6.00	137.00	2.00	0.00	0.80			
4	B	444.09	871.94	6.00	49.00	0.00	0.00	0.80			
5	B	466.89	880.05	6.00	321.00	2.00	0.00	0.80			
6	A	487.91	880.01	6.00	209.00	3.00	0.00	0.80			
7	B	514.21	873.87	6.00	140.00	3.00	0.00	0.80			
8	B	516.37	856.31	6.00	235.00	3.00	0.00	0.80			
9	A	534.15	841.46	6.00	205.00	0.00	0.00	0.80			
10	B	562.30	837.42	6.00	141.00	3.00	0.00	0.80			
11	B	562.55	817.55	6.00	232.00	0.00	0.00	0.40			
12	B	578.15	804.56	6.00	199.00	0.00	0.00	0.40			
13	B	562.10	799.83	6.00	137.00	3.00	0.00	0.40			
14	B	540.66	774.34	6.00	135.00	0.00	0.00	0.80			
15	B	499.26	806.66	6.00	226.00	2.00	0.00	0.80			
16	B	517.90	791.06	6.00	231.00	2.00	0.00	0.80			
17	B	496.89	822.65	6.00	326.00	2.00	0.00	0.80			
18	B	516.01	830.53	6.00	138.00	0.00	0.00	0.80			
19	B	457.88	840.38	6.00	228.00	2.00	0.00	0.80			
20	B	477.06	824.71	6.00	220.00	3.00	0.00	0.80			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
21	B	437.43	794.95	6.00	60.00	0.00	0.00	0.80			
22	A	447.08	820.04	6.00	179.00	0.00	0.00	0.80			
23	B	440.79	771.13	6.00	355.00	0.00	0.00	0.80			
24	A	439.54	748.51	6.00	339.00	0.00	0.00	0.80			
25	A	455.01	768.03	6.00	316.00	0.00	0.00	0.80			
26	A	402.54	785.52	6.00	139.00	0.00	0.00	0.80			
27	A	471.17	786.80	6.00	325.00	0.00	0.00	0.80			

Horizontal Illuminance (lux)

Grid 1



Results

Eav	6.87
Emin	1.52
E _{max}	26.13
Emin/E _{max}	0.06
Emin/Eav	0.22