

**DATE:** 19 February 2024  
**DESIGNER:** CBS Consulting Engineers  
**PROJECT No:**  
**PROJECT NAME:** Brugh Na nDeise, Bruff, Co Limerick



## **Outdoor Lighting Report**

Designed to achieve:  
P3 Lighting Class as per BS54891:2013 & EN13201:2015

## Layout Report

### General Data

Dimensions in Metres Angles in Degrees  
Grid Origin 113580.8m x 10378.9m  
Area 100.4m x 132.2m  
Sample Spacing 1.50m x 1.49m

### Luminaires

#### Luminaire A Data

Supplier	
Type	FG23-0005
Lamp(s)	MICROPLUS
Lamp Flux (klm)	4.50
File Name	MPG-1N-30W.IES
Maintenance Factor	0.80
Imax70,80,90(cd/klm)	346.0, 8.5, 7.0
No. in Project	18

#### Luminaire B Data

Supplier	
Type	EXISTING LUMINAIRE
Lamp(s)	
Lamp Flux (klm)	
File Name	MPG-1N-30W.IES
Maintenance Factor	0.80
Lum. Int. Class	
No. in Project	1

### Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	113634.28	10450.12	6.00	2.00	5.00	0.00	0.35			
2	B	113649.55	10396.22	6.00	180.00	0.00	0.00	0.00			
3	A	113654.17	10438.94	6.00	178.00	5.00	0.00	0.35			
4	A	113652.96	10471.65	6.00	183.00	0.00	0.00	0.35			
6	A	113615.81	10468.30	6.00	274.00	5.00	0.00	0.35			
7	A	113610.35	10419.46	6.00	89.00	5.00	0.00	0.35			
8	A	113631.84	10492.69	6.00	306.00	0.00	0.00	0.35			
9	A	113600.34	10442.38	6.00	359.00	5.00	0.00	0.35			
10	A	113600.94	10425.89	6.00	0.00	5.00	0.00	0.35			
12	A	113653.48	10457.61	6.00	181.00	5.00	0.00	0.35			
13	A	113599.74	10459.82	6.00	359.00	5.00	0.00	0.35			
14	A	113665.28	10485.62	6.00	92.00	0.00	0.00	0.35			
15	A	113650.45	10495.75	6.00	270.00	0.00	0.00	0.35			
16	A	113655.04	10415.21	6.00	181.00	5.00	0.00	0.35			
17	A	113627.00	10475.20	6.00	113.00	0.00	0.00	0.35			
18	A	113627.37	10420.08	6.00	91.00	5.00	0.00	0.35			
18	A	113639.89	10403.02	6.00	1.00	5.00	0.00	0.35			
19	A	113635.28	10389.54	6.00	356.00	0.00	0.00	0.35			
20	A	113635.02	10428.62	6.00	357.00	5.00	0.00	0.35			

