

**DATE:** 20 September 2023  
**DESIGNER:** Sebastian Jaworski  
**PROJECT No:** 2588  
**PROJECT NAME:** Holywell Swords



Designed in accordance with BS5489:2013 and EN13201-1:2013 to lighting class P4.

1- Luminaire - Proposed 6m mounting height column complete with post top mounted PHILIPS LUMI STREET BGP292 -T25 1X - LED35 4s/730DS50. 3.500 LM, 3.000 K Color Temperature, 23W.

## Report 02

**PREPARED BY:** Matt O'Mahony & Associates  
Engineering & Project Consultants  
8 Sidney Place, Wellington Rd., Cork  
Tel: (021) 4506364 Fax: (021) 4509796  
EMAIL: email@mattmahony.ie

## Layout Report

### General Data

Dimensions in Metres Angles in Degrees  
Grid Origin 120.7m x 249.6m  
Area 98.8m x 90.9m  
Sample Spacing 1.00m x 1.01m

### Luminaires

#### Luminaire A Data

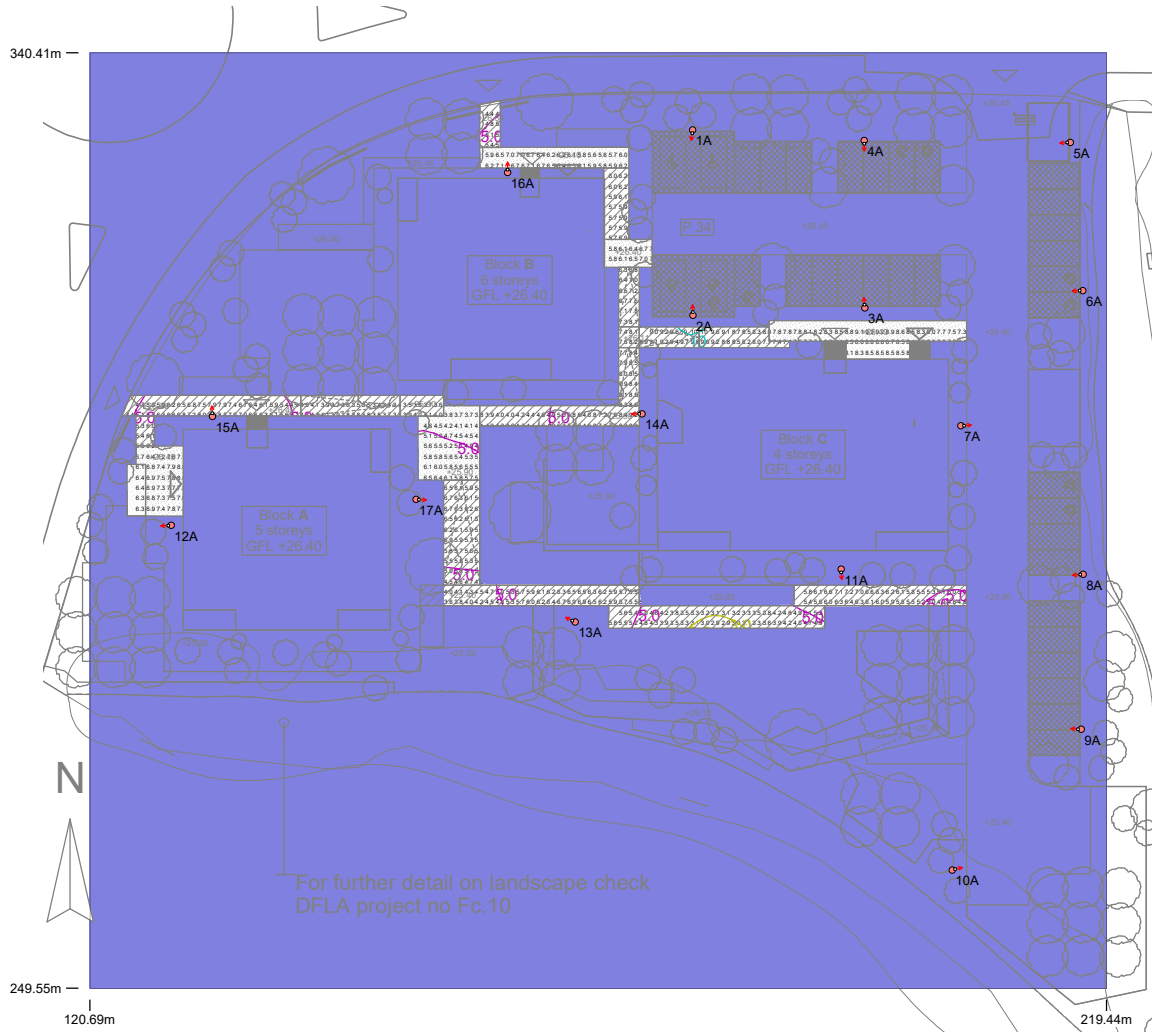
Supplier	
Type	BGP292 T25 1 xLED35-4S/730 DS50
Lamp(s)	LED35-4S/730
Lamp Flux (klm)	3.50
File Name	BGP292 T25 1 xLED35-4S_730 DS50.ies
Maintenance Factor	0.80
Imax70,80,90(cd/klm)	293.6, 36.6, 0.0
No. in Project	17

### Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	179.20	332.91	6.00	264.00	0.00	0.00	0.30			
2	A	179.26	314.92	6.00	93.00	0.00	0.00	0.30			
3	A	195.94	315.64	6.00	95.00	0.00	0.00	0.30			
4	A	195.89	331.89	6.00	270.00	0.00	0.00	0.30			
5	A	215.90	331.72	6.00	185.00	0.00	0.00	0.30			
6	A	217.11	317.33	6.00	183.00	0.00	0.00	0.30			
7	A	205.26	304.18	6.00	5.00	0.00	0.00	0.30			
8	A	217.14	289.78	6.00	185.00	0.00	0.00	0.30			
9	A	216.95	274.72	6.00	176.00	0.00	0.00	0.30			
10	A	204.42	261.06	6.00	15.00	0.00	0.00	0.30			
11	A	193.64	290.28	6.00	273.00	0.00	0.00	0.30			
12	A	128.59	294.54	6.00	184.00	0.00	0.00	0.30			
13	A	167.81	285.14	6.00	155.00	0.00	0.00	0.30			
14	A	174.32	305.34	6.00	180.00	0.00	0.00	0.30			
15	A	132.59	305.11	6.00	94.00	0.00	0.00	0.30			
16	A	161.26	328.78	6.00	90.00	0.00	0.00	0.30			
17	A	152.35	297.05	6.00	356.00	0.00	0.00	0.30			

# Horizontal Illuminance (lux)

Grid 1



## Results

Eav	6.16
Emin	2.93
E <sub>max</sub>	10.35
E <sub>min</sub> /E <sub>max</sub>	0.28
E <sub>min</sub> /E <sub>av</sub>	0.48