

**DATE:** 2 March 2022  
**DESIGNER:** Nicholas Hedge  
**PROJECT No:** OP000195157  
**PROJECT NAME:** CO. SLIGO - CAIRNS ROAD

**Schröder**  
Experts in lightability™

LIGHTING CALCULATION: OP000195157-LD17049\_01A

Designed to achieve:

P3 Lighting Class as per BS5489-1:2020  
6.0m Columns  
0 Degree tilt

0.89 - Maintenance Factor

## Outdoor Lighting Report

This design has been prepared in accordance with the HEA/HEMSA Guidance Note - CDM2015 Regulations, Issue 1.1 dated 09/04/15 - Procedure 2 for an outline design. The information in this report does not account for installation considerations, site conditions or provide any form of risk assessment. Urbis' design service is advisory only and it is the responsibility of the recipient of this information to verify that the design is suitable for the intended application. No account is taken for the blocking effect caused by buildings, trees etc.

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## Layout Report

### General Data

Dimensions in Metres Angles in Degrees  
Grid Origin 570388.7m x 833443.1m  
Area 230.1m x 191.4m  
Sample Spacing 1.49m x 1.50m

### Luminaires



#### Luminaire A Data

Supplier	Urbis Schreder
Type	AXIA 3.1 5267 Integrated lenses 16 OSLO N SQUARE GIANT@870mA
Lamp(s)	16 OSLO N SQUARE GIANT@870mA WW 730 230V
LampFlux(klm)/Colour	5.13 WW 3000K/70
File Name	AXIA 3.1 5267 16 OSLO N SQUARE GIANT 870mA WW 730 44W 429102 Integrated I...
Maintenance Factor	0.89
Imax70,80,90(cd/klm)	985.2, 145.1, 0.0
No. in Project	11



#### Luminaire B Data

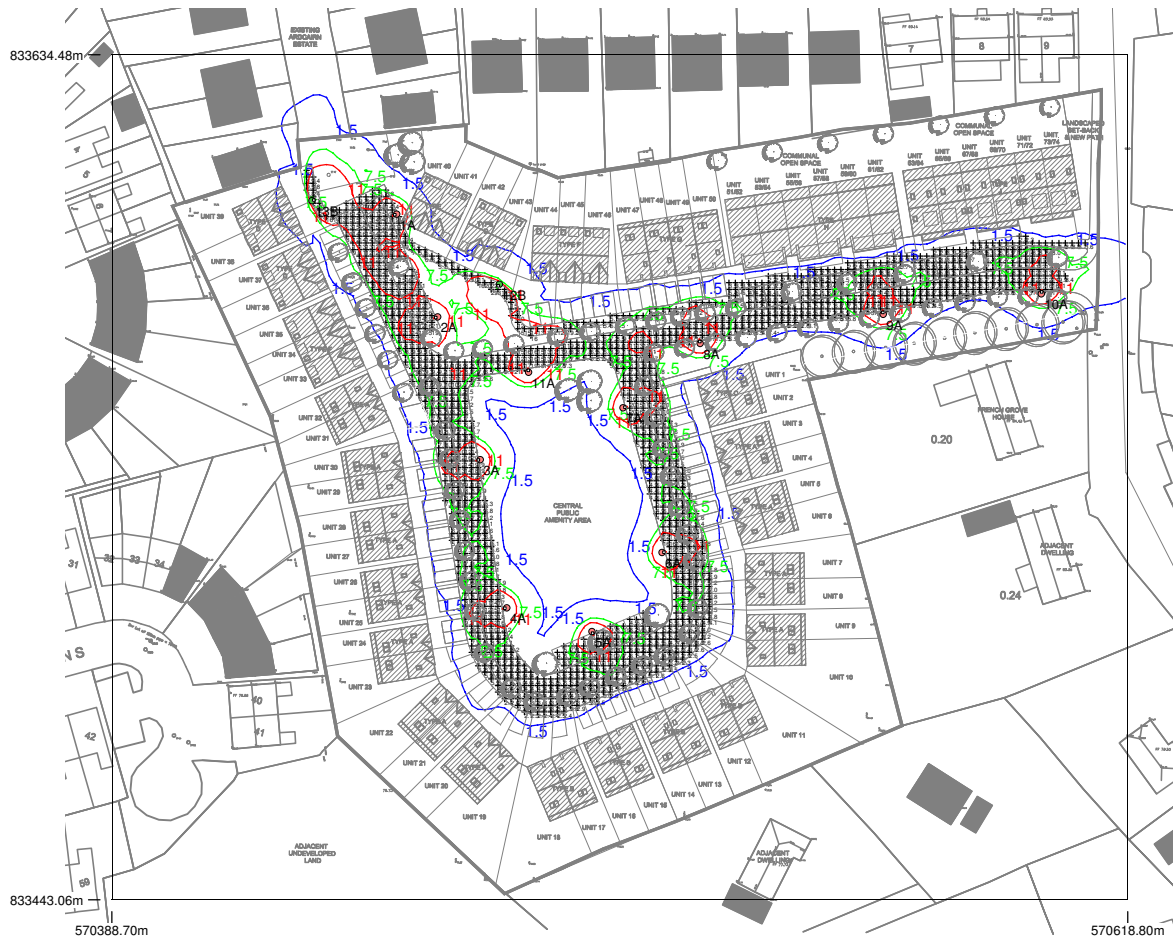
Supplier	Urbis Schreder
Type	AXIA 3.1 5266 Integrated lenses 16 OSLO N SQUARE GIANT@700mA
Lamp(s)	16 OSLO N SQUARE GIANT@700mA WW 730 230V
LampFlux(klm)/Colour	4.42 WW 3000K/70
File Name	AXIA 3.1 5266 16 OSLO N SQUARE GIANT 700mA WW 730 35.6W 429092 Integrated ...
Maintenance Factor	0.89
Imax70,80,90(cd/klm)	1142.4, 192.6, 0.0
No. in Project	2

### Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	570453.18	833598.39	6.00	203.00	0.00	0.00	0.45			
2	A	570462.46	833575.13	6.00	203.00	0.00	0.00	0.45			
3	A	570472.13	833542.79	6.00	192.00	0.00	0.00	0.45			
4	A	570478.16	833509.26	6.00	192.00	0.00	0.00	0.45			
5	A	570497.39	833503.91	6.00	294.00	5.00	0.00	0.45			
6	A	570513.26	833521.79	6.00	10.00	0.00	0.00	0.45			
7	A	570504.47	833554.54	6.00	16.00	0.00	0.00	0.45			
8	A	570521.89	833569.13	6.00	100.00	0.00	0.00	0.45			
9	A	570563.38	833575.72	6.00	100.00	0.00	0.00	0.45			
10	A	570599.19	833580.31	6.00	86.00	0.00	0.00	0.45			
11	A	570483.09	833562.57	6.00	100.00	0.00	0.00	0.45			
12	B	570476.43	833582.52	6.00	238.00	0.00	0.00	0.45			
13	B	570433.99	833601.44	6.00	18.00	0.00	0.00	0.45			

## Horizontal Illuminance (lux)

Grid 1



### Results

Eav	8.53
Emin	2.01
Emax	30.56
Emin/Emax	0.07
Emin/Eav	0.24