

DATE: 31 March 2026

Urbis Schröder | Design


DESIGNER: WB

PROJECT No: OP64323LSS14283

PROJECT NAME: OP64323LSS14283 Housing Development at Glean
Caoín, Borrisoleigh, Co. Tipperary

Designed to BS5489-1:2020, Category P3
1.5lux minimum illuminance & 7.5lux - 11.25lux average illuminance

Maintenance Factor calculated to BS5489 TS22012 & GN11
fLF = Luminous flux factor for 100,000hours - 90.6%
fS = Survival factor - 0.97% (representing 3% failures)
fLM = Mounting height: 6m or less, Cleaning frequency - 72
months, Environmental zone – E1/E2 - 0.92
fSM = Surface factor - 1 (Exterior Lighting only)
Overall fM = 0.89 (CLO N/A)

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. The calculation shown assumes that the whole area
considered is in the same plane.

PREPARED BY: Urbis Schreder Limited
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Layout Report

General Data

Dimensions in Metres Angles in Degrees

Grid Origin 602578.0m x 666924.0m

Area 179.0m x 204.0m

Sample Spacing 1.49m x 1.50m

Luminaires



Luminaire A Data

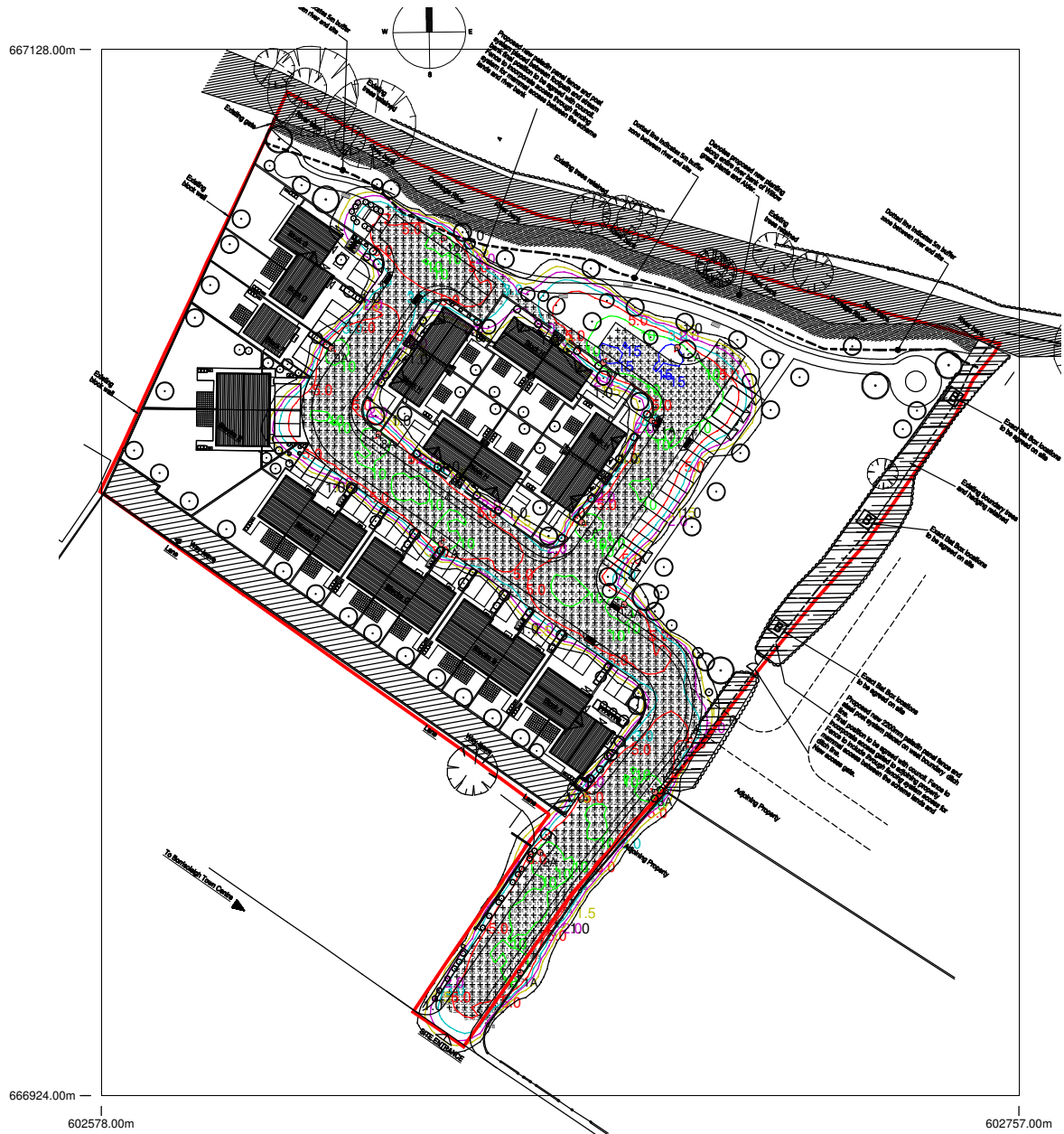
Supplier	Urbis
Type	AXIA 3.1 5267 Integrated lenses Rear louvers 16 OSLON SQUARE
Lamp(s)	16 OSLON SQUARE GIANT@700mA WW 727 230V 01-96-332
LampFlux(klm)/Colour	3.01 WW 2700K/70
File Name	AXIA 3.1 5267 16 OSLON SQUARE GIANT 700mA WW 727 36.3W 457672 Integrated ...
Maintenance Factor	0.89
Imax70,80,90(cd/klm)	1281.8, 174.5, 0.0
No. in Project	12

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	602659.77	666948.05	6.00	146.00	0.00	0.00	0.40			
2	A	602663.55	666971.48	6.00	322.00	0.00	0.00	0.40			
3	A	602685.97	666983.23	6.00	139.00	0.00	0.00	0.40			
4	A	602679.96	667019.89	6.00	235.00	0.00	0.00	0.40			
5	A	602671.72	667035.83	6.00	321.00	0.00	0.00	0.40			
6	A	602675.91	667066.96	6.00	57.00	0.00	0.00	0.40			
7	A	602644.31	667031.64	6.00	56.00	0.00	0.00	0.40			
8	A	602632.09	667053.05	6.00	237.00	0.00	0.00	0.40			
9	A	602622.84	667069.73	6.00	326.00	0.00	0.00	0.40			
10	A	602644.85	667091.27	6.00	236.00	0.00	0.00	0.40			
11	A	602685.36	667055.68	6.00	325.00	0.00	0.00	0.40			
12	A	602690.36	667069.94	6.00	237.00	0.00	0.00	0.40			

Horizontal Illuminance (lux)

Grid 1



Results

Eav	7.63
Emin	1.53
Emax	16.33
Emin/Emax	0.09
Emin/Eav	0.20