DATE:	**26 November 2024**
DESIGNER:	**WB**
PROJECT No:	**OP246322LD20689 St Brigid's Terrace Ph2**
PROJECT NAME:	**OP246322LD20689 St Brigid's Terrace Ph2**

Urbis Schréder | Design Services

Designed to BS5489-1:2020
- Staircase: Table 3 Open Staircases 10lux Emin & 20lux Eave
- St Brigid's Terrace: Category P3 1.5lux Emin & 7.5lux
- Dublin Road: Category M3.

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.

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Layout Report

General Data

Dimensions in Metres Angles in Degrees

Calculation Grids

ID	Grid Name	X	Y	X' Length	Y' Length	X' Spacing	Y' Spacing
1	Grid 1 - Dublin Rd	1453.00	846.00	109.00	40.00	1.49	1.48
2	Grid 2 - St Brigid's Terra...	1453.00	886.30	109.00	37.00	1.49	1.48
3	Grid 3 - Staircase	1479.55	861.00	4.00	41.00	1.00	1.00

Luminaires

Luminaire A Data

Supplier	Urbis
Type	IZYLUM 3 5393 Flat glass 60 LEDs@600mA WW 730 230V 00-36-982
Lamp(s)	60 LEDs@600mA WW 730 230V 00-36-982
LampFlux(klm)/Colour	14.14 WW 3000K/70
File Name	IZYLUM 3 5393 60 LEDs 600mA WW 730 10 9W 501302 Flat glass 230V TF .ldt
Maintenance Factor	0.89
Imax70,80,90(cd/klm)	445.4, 70.3, 0.0
No. in Project	5

Luminaire B Data

Supplier	Urbis
Type	FLEXIA TOP MINI 5300 Deep shape PC 10 LEDs@400mA WW 730 230V
Lamp(s)	10 LEDs@400mA WW 730 230V 00-53-394
LampFlux(klm)/Colour	1.73 WW 3000K/70
File Name	FLEXIA TOP MINI 5300 10 LEDs 400mA WW 730 13.8W 557642 Deep shape PC 230V T...
Maintenance Factor	0.81
Imax70,80,90(cd/klm)	1425.3, 95.8, 40.1
No. in Project	3

Luminaire C Data

Supplier	Urbis
Type	IZYLUM 1 5433 Flat glass 20 LEDs@500mA WW 730 230V 00-36-646
Lamp(s)	20 LEDs@500mA WW 730 230V 00-36-646
LampFlux(klm)/Colour	4.09 WW 3000K/70
File Name	IZYLUM 1 5433 20 LEDs 500mA WW 730 32.1W 567352 Flat glass 230V TF .ldt
Maintenance Factor	0.81
Imax70,80,90(cd/klm)	597.3, 146.2, 0.0
No. in Project	3

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	1478.41	850.02	10.00	96.00	5.00	0.00	0.40			
2	A	1453.79	858.46	10.00	276.00	5.00	0.00	0.40			
3	B	1479.77	884.05	5.00	1.00	0.00	0.00	0.00			
4	B	1479.82	896.00	5.00	0.00	0.00	0.00	0.00			
5	C	1472.34	904.39	6.00	89.00	5.00	0.00	0.40			
6	B	1480.02	871.23	5.00	1.00	0.00	0.00	0.00			
7	A	1502.80	852.89	10.00	96.00	5.00	0.00	0.40			
8	A	1527.48	853.89	10.00	96.00	5.00	0.00	0.40			

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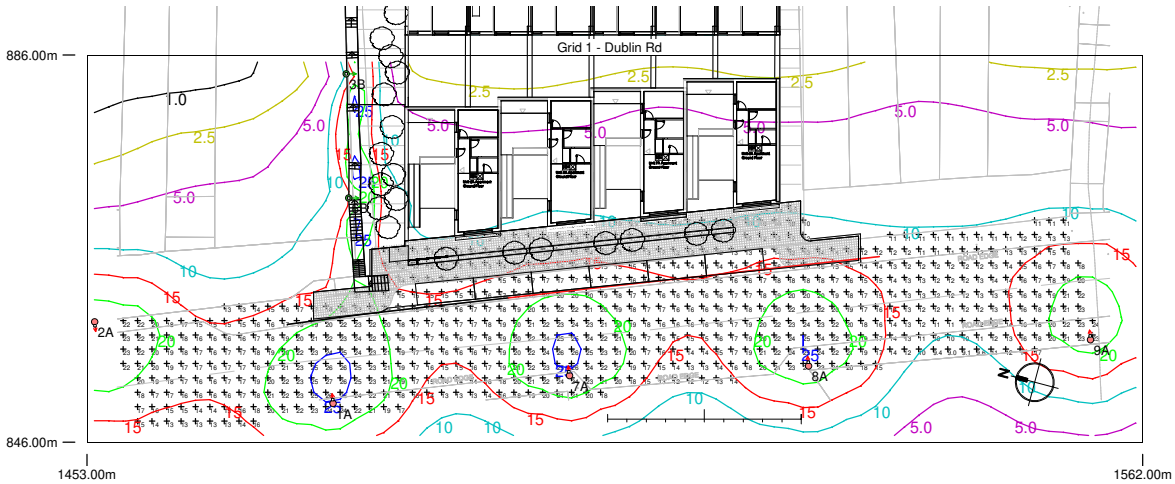
Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
9	A	1556.59	856.61	10.00	96.00	5.00	0.00	0.40			
10	C	1505.39	903.90	6.00	91.00	5.00	0.00	0.40			
11	C	1541.23	904.40	6.00	90.00	5.00	0.00	0.40			

Horizontal Illuminance (lux)

Grid 1 - Dublin Rd



Results

Eav	16.68
Emin	9.01
Emax	26.56
Emin/Emax	0.34
Emin/Eav	0.54

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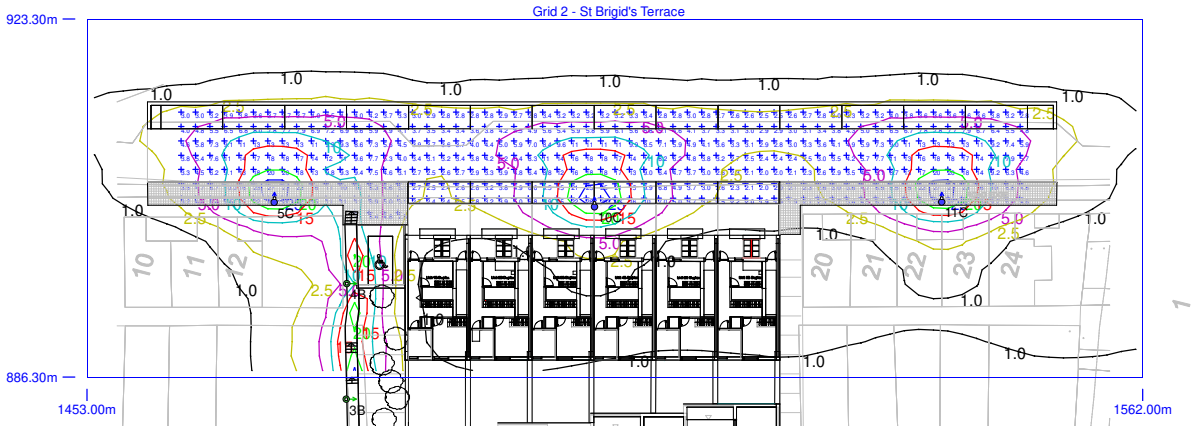
Horizontal Illuminance (lux)

Grid 2 - St Brigid's Terrace



Results

Eav	7.62
Emin	1.86
Emax	28.24
Emin/Emax	0.07
Emin/Eav	0.24

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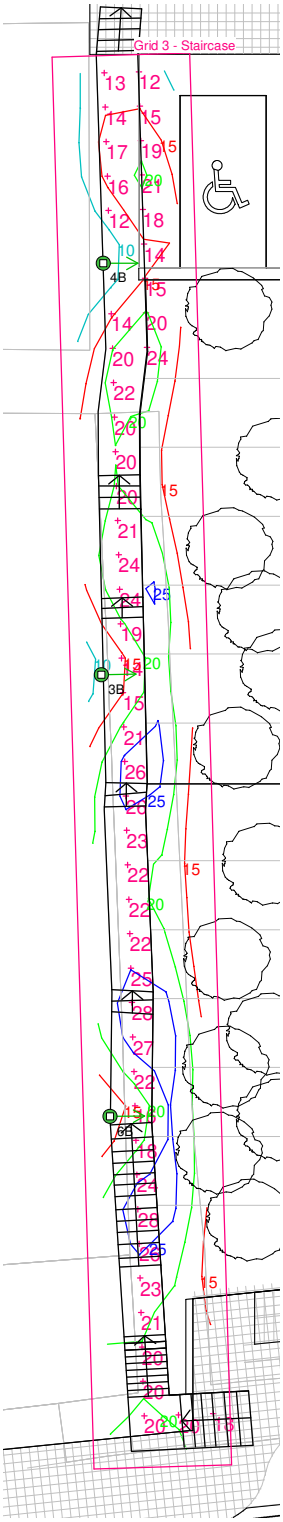
Horizontal Illuminance (lux)

Grid 3 - Staircase



Results

Eav		20.06
Emin		12.21
Emax	6	27.82

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