



Balrath Engineering Consultants

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Outdoor Lighting Report
Coordination Issue

Project Name:	Northwood Crescent SHD
Project Number:	2121 – RevCOR03
Address:	Northwood Avenue, Santry Demense, Dublin 9
Date:	23-03-2022

LAYOUT REPORT**GENERAL DATA**

Dimensions are in meters and angles are in degrees.

CALCULATION GRIDS

ID	GRID NAME	X	Y	X' LENGTH	Y' LENGTH	X' SPACING	Y' SPACING
1	Grid 1	715698.00	740480.62	81.00	109.38	1.50	1.50
2	Grid 2	715754.19	740565.28	15.00	5.00	1.00	1.00

LUMINAIRES

Luminaire A Data	
Supplier	Urbis Schreder
Type	FLEXIA TOP MIDI 5308 [Deep shape PC], [Lum. shape-related, PI
Lamp(s)	20 LH351C@200mA NW 740 230V 00-53-398
LampFlux(klm)/ Colour	2.28 NW 4000K/70
File Name	FLEXIA TOP MIDI 5308 20 LH351C 200mA NW 740 13.8W 44545S [Deep shape PC]
Maintenance Factor	0.83
Imax70, 80, 90 (cd/klm)	244.1, 69.4, 26.2
No. in Project	3

Luminaire B Data	
Supplier	Urbis Schreder
Type	FLEXIA TOP 5300 Deep shape PC 10 LH351C@200mA NW 740 230V
Lamp(s)	10 LH351C@200mA NW 740 230V
LampFlux(klm)/ Colour	0.93 NW 4000K/70
File Name	FLEXIA TOP 5300 10 LH351C 200mA NW 740 7.4W 445372 Deep shape PC 230V T
Maintenance Factor	0.83
Imax70, 80, 90 (cd/klm)	1267.8, 160.4, 66.4
No. in Project	7

Luminaire C Data	
Supplier	Urbis Schreder
Type	OMNIFLOOD 1 5186 Flat glass 16 NVSL2 19CT@350mA NW 740 230V
Lamp(s)	16 NVSL219CT@350mA NW 740 230V
LampFlux(klm)/ Colour	2.78 NW 4000K/70
File Name	OMNIFLOOD 1 5186 16 NVSL219CT 350m A NW 740 22W 398222 Flat glass 230V EF
Maintenance Factor	0.83
Imax70, 80, 90 (cd/klm)	24.3, 9.8, 0.0
No. in Project	2

LAYOUT

ID	TYPE	X	Y	HEIGHT	ANGLE	TILT	CANT	OUT-REACH	DIMMED TO	TAR-GET X	TAR-GET Y	TAR-GET Z
1	A	715744.44	740512.15	5.00	265.00	0.00	0.00	0.00	100%			
2	B	715734.43	740533.86	5.00	349.00	0.00	0.00	0.00	100%			
3	C	715732.55	740517.70	5.00	344.00	0.00	0.00	0.00	100%			
4	D	715736.27	740545.93	5.00	82.00	0.00	0.00	0.00	100%			
5	E	715743.37	740503.91	5.00	263.00	0.00	0.00	0.00	100%			
6	F	715744.56	740521.45	5.00	265.00	0.00	0.00	0.00	100%			
7	G	715755.45	740561.29	5.00	354.00	0.00	0.00	0.00	100%			
8	H	715753.75	740543.33	5.00	86.00	0.00	0.00	0.00	100%			
9	I	715752.07	740531.61	5.00	169.00	0.00	0.00	0.00	100%			
10	J	715764.95	740578.41	5.00	166.00	0.00	0.00	0.00	100%			
11	K	715757.38	740567.77	5.00	262.00	0.00	0.00	0.40	50%			
12	L	715763.27	740566.03	5.00	173.00	0.00	0.00	0.40	50%			

Horizontal Illuminance (lux)

Grid 1



Results

Eav	6.28
Emin	1.25
Emax	49.67
Emin/Emax	0.03
Emin/Eav	0.20

Horizontal Illuminance (lux)

Grid 2



Results

Eav	42.47
Emin	15.14
Emax	69.69
Emin/Emax	0.22
Emin/Eav	0.36