

17867

Client

Abbey Corner, 2-4 Kings Road, Reading

OOAK Developments Ltd



Daylight 4th Floor	Floor Area	Perimeter	Height	Window 1 Area	Window 2 Area	Window 3 Area	Window 4 Area	Window 5 Area	Window 6 Area	sum	A Calculated	M Factor	W Factor	(52*M*W)	Daylight Factor %
Flat A															
Bedroom	7.53	12.31	2.89	3.00	1.74					4.73	35.60	0.6	3.79	118.15	3
Living Room	12.58	15.49	2.89	0.47	2.54					3.01	44.83	0.6	2.41	75.05	2
Flat B															
Studio Space	20.16	19.88	2.89	3.52	4.10					7.62	57.50	0.6	6.09	190.14	3
Flat C															
Studio Space	19.45	19.36	2.89	1.95	6.78					8.73	56.01	0.6	6.99	217.94	4
Flat D															
Bedroom	7.92	12.08	2.89	6.41						6.41	34.95	0.6	5.13	160.11	5
Living Room	13.38	15.53	2.89	6.67						6.67	44.94	0.6	5.33	166.43	4

M Factors

1.0 for vertical glazing or
0.8 for sloping glazing or
0.7 for horizontal glazing or
0.6 for vertical Tinted glazing

W Factors

0.9 for metal frames (patent glazing) or
0.8 for metal frames (large pane) or
0.7 for timber frames (large pane) or
0.6 for timber frames (smaller pane)

Average DF

Appearance

Energy implications

< 2%

room looks gloomy

Electric lighting needed most of the day

2% to 5%

Predominantly daylight appearance, but
supplementary artificial lighting is needed.

Good balance between lighting and thermal aspects

> 5%

Room appears strongly daylight

Daytime electric lighting rarely needed, but potential for
thermal problems due to overheating in summer and heat
losses in winter

Based on scheme 17867-111A, 112A, 113D, 118B - 2021.12.10