

17251

Client

2-4 Kings Road, Reading

Pinemace



Daylight 1,2,3rd 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 1															
Bedroom 1	12.02	13.93	2.30	1.67	1.57					3.24	56.08	1	2.59	134.68	2
Living Room	19.70	20.08	2.30	2.10	1.67					3.76	85.57	1	3.01	156.54	2
Flat 2															
Bedroom 1	11.55	13.87	2.30	1.67	1.67					3.33	54.99	1	2.66	138.53	3
Bedroom 2	7.52	11.19	2.30	1.67						1.67	40.79	1	1.33	69.26	2
Living Room	19.04	17.94	2.30	1.57	1.57	1.57	1.57			6.29	79.35	1	5.03	261.66	3
Flat 3															
Bedroom 1	12.97	16.54	2.30	1.67	1.67					3.33	63.99	1	2.66	138.53	2
Bedroom 2	7.50	11.15	2.30	1.67						1.67	40.65	1	1.33	69.26	2
Living Room	19.59	20.62	2.30	1.67	2.78					4.44	86.62	1	3.55	184.70	2

M Factors 1.0 for vertical glazing or
0.8 for sloping glazing or
0.7 for horizontal 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 17251-113A, 114A, 115A, 116A, 117A, 118 - 2021.07.1: