# BRIRL Output Document

Compliance Assessment with the Building Regulations (Ireland) TGD-Part L 2017

**This report demonstrates compliance with specific aspects of Part L of the Building Regulations. Compliance with all aspects of Part L is a legal requirement. Demonstration of how compliance with every aspect is achieved may be sought from the Building Control Authority.**

# Bakers Forge Blocks A & B

**Date:** Sun Jan 25 11:54:27 2026

## Administrative information

### Building Details

**Address:** Bakers Forge, Rochestown Road, Address 3, Address 4, Co. Dublin, Eircode

### NEAP

**Calculation engine:** SBEMIE

**Calculation engine version:** v5.6.a.0

**Interface to calculation engine:** Virtual Environment

**Interface to calculation engine version:** 7.0.28

**BRIRL compliance check version:** v5.6.a.0

### Client Details

**Name:** Ivyway

**Telephone number:** Phone

**Address:** Street Address, Co. Dublin, Eircode

### Energy Assessor Details

**Name:** RMCE

**Telephone number:** 0567795428

**Email:** info@rmce.ie

**Address:** 1 City Wall, James Street, Kilkenny, Co. Kilkenny, R95XF97

## Primary Energy Consumption, CO2 Emissions, and Renewable Energy Ratio

The compliance criteria in the TGD-L have been met.

| | |
|---|---|
| Calculated CO2 emission rate from Reference building | 13.1 kgCO2/m2.annum |
| Calculated CO2 emission rate from Actual building | 9.7 kgCO2/m2.annum |
| **Carbon Performance Coefficient (CPC)** | **0.74** |
| **Maximum Permitted Carbon Performance Coefficient (MPCPC)** | **1.15** |
| Calculated primary energy consumption rate from Reference building | 75.2 kWh/m2.annum |
| Calculated primary energy consumption rate from Actual building | 75.4 kWh/m2.annum |
| **Energy Performance Coefficient (EPC)** | **1** |
| **Maximum Permitted Energy Performance Coefficient (MPEPC)** | **1** |
| **Renewable Energy Ratio (RER)** | **0.28** |
| **Minimum Renewable Energy Ratio** | **0.2** |

## Heat Transmission through Building Fabric

| Element | $U_{a\text{-}Limit}$ | $U_{a\text{-}Calc}$ | $U_{i\text{-}Limit}$ | $U_{i\text{-}Calc}$ | Surface with maximum U-value* |
|---|---|---|---|---|---|
| Walls** | 0.21 | 0.21 | 0.6 | 0.21 | BL000004_W1 |
| Floors (ground and exposed) | 0.21 | 0.21 | 0.6 | 0.21 | BL000004_F |
| Pitched roofs | 0.16 | - | 0.3 | - | "No heat loss pitched roofs" |
| Flat roofs | 0.2 | 0.2 | 0.3 | 0.2 | BL000006_C |
| Windows, roof windows, and rooflights | 1.6 | 1.54 | 3 | 1.54 | BL00000C_W1_O0 |
| Personnel doors | 1.6 | 1.6 | 3 | 1.6 | BL000004_W2_O0 |
| Vehicle access & similar large doors | 1.5 | - | 3 | - | "No ext. vehicle access doors" |
| High usage entrance doors | 3 | - | 3 | - | "No ext. high usage entrance doors" |

$U_{a\text{-}Limit}$ = Limiting area-weighted average U-values [W/(m2K)]
$U_{a\text{-}Calc}$ = Calculated area-weighted average U-values [W/(m2K)]
$U_{i\text{-}Limit}$ = Limiting individual element U-values [W/(m2K)]
$U_{i\text{-}Calc}$ = Calculated individual element U-values [W/(m2K)]

* There might be more than one surface with the maximum U-value. ** Automatic U-value check by the tool does not apply to curtain walls whose area-weighted average and individual limiting standards are 1.8 and 3 W/m2K, respectively.

| Air Permeability | Upper Limit | This Building's Value |
|---|---|---|
| m3/(h.m2) at 50 Pa | 5 | 5 |

## Building Services

**The standard values listed below are minimum values for efficiencies and maximum values for SFPs. Refer to the Building Regulations documents for details.**

| | |
|---|---|
| **Whole building lighting automatic monitoring & targeting with alarms for out-of-range values** | YES |
| **Whole building electric power factor achieved by power factor correction** | 0.9 to 0.95 |

1- Electric Panel Heating

| | **Heating efficiency** | **Cooling efficiency** | **Radiant efficiency** | **SFP [W/(l/s)]** | **HR efficiency** |
|---|---|---|---|---|---|
| **This system** | 1 | - | - | - | - |
| **Standard value** | N/A | N/A** | N/A | N/A | N/A |
| **Automatic monitoring & targeting with alarms for out-of-range values for this HVAC system** | | | | | NO |

** No automatic check on chiller efficiency has been performed by the tool in this case. Refer to Building Regulations documents for limiting efficiency.

2- Split AC - ASHP DHW

| | **Heating efficiency** | **Cooling efficiency** | **Radiant efficiency** | **SFP [W/(l/s)]** | **HR efficiency** |
|---|---|---|---|---|---|
| **This system** | 3.5 | 4.5 | - | - | - |
| **Standard value** | 2.75 | 4.14** | N/A | N/A | N/A |
| **Automatic monitoring & targeting with alarms for out-of-range values for this HVAC system** | | | | | NO |

** Standard shown is for split and multi-split air conditioners <6 kW. For systems 6-12 kW, limiting efficiency is 3.87.

1- SYST0004-DHW

| | **Water heating efficiency** | **Storage loss factor [kWh/litre per day]** |
|---|---|---|
| **This building** | 2.75 | 0.006 |
| **Standard value** | 0.8* | N/A |

* Standard shown is for all types except absorption and gas engine heat pumps.

2- SYST0001-DHW

| | **Water heating efficiency** | **Storage loss factor [kWh/litre per day]** |
|---|---|---|
| **This building** | 2.75 | 0.019 |
| **Standard value** | 0.8* | N/A |

* Standard shown is for all types except absorption and gas engine heat pumps.

**Local mechanical ventilation, exhaust, and terminal units**

| **ID** | **System type in Building Regulations documents** |
|---|---|
| A | Local supply or extract ventilation units serving a single area |
| B | Zonal supply system where the fan is remote from the zone |
| C | Zonal extract system where the fan is remote from the zone |
| D | Zonal supply and extract ventilation units serving a single room or zone with heating and heat recovery |
| E | Local supply and extract ventilation system serving a single area with heating and heat recovery |
| F | Other local ventilation units |
| G | Fan-assisted terminal VAV unit |
| H | Fan coil units |
| I | Zonal extract system where the fan is remote from the zone with grease filter |

| **Zone name** | **SFP [W/(l/s)]** | | | | | | | | | **HR efficiency** | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **ID of system type** | **A** | **B** | **C** | **D** | **E** | **F** | **G** | **H** | **I** | | |
| **Standard value** | 0.3 | 1.1 | 0.5 | 1.9 | 1.6 | 0.5 | 1.1 | 0.5 | 1 | **Zone** | **Standard** |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |

| Zone name | SFP [W/(l/s)] | | | | | | | | | HR efficiency | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ID of system type | A | B | C | D | E | F | G | H | I | | |
| Standard value | 0.3 | 1.1 | 0.5 | 1.9 | 1.6 | 0.5 | 1.1 | 0.5 | 1 | Zone | Standard |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |

| Zone name | SFP [W/(l/s)] | | | | | | | | | HR efficiency | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ID of system type | A | B | C | D | E | F | G | H | I | | |
| Standard value | 0.3 | 1.1 | 0.5 | 1.9 | 1.6 | 0.5 | 1.1 | 0.5 | 1 | Zone | Standard |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A

| Zone name | SFP [W/(l/s)] | | | | | | | | | HR efficiency | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ID of system type | A | B | C | D | E | F | G | H | I | | |
| Standard value | 0.3 | 1.1 | 0.5 | 1.9 | 1.6 | 0.5 | 1.1 | 0.5 | 1 | Zone | Standard |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A

| Zone name | SFP [W/(l/s)] | | | | | | | | | HR efficiency | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ID of system type | A | B | C | D | E | F | G | H | I | | |
| Standard value | 0.3 | 1.1 | 0.5 | 1.9 | 1.6 | 0.5 | 1.1 | 0.5 | 1 | Zone | Standard |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A

| Zone name | SFP [W/(l/s)] | | | | | | | | | HR efficiency | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ID of system type | A | B | C | D | E | F | G | H | I | | |
| Standard value | 0.3 | 1.1 | 0.5 | 1.9 | 1.6 | 0.5 | 1.1 | 0.5 | 1 | Zone | Standard |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |

| Zone name | SFP [W/(l/s)] | | | | | | | | | HR efficiency | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ID of system type | A | B | C | D | E | F | G | H | I | | |
| Standard value | 0.3 | 1.1 | 0.5 | 1.9 | 1.6 | 0.5 | 1.1 | 0.5 | 1 | Zone | Standard |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |

| Zone name | SFP [W/(l/s)] | | | | | | | | | HR efficiency | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ID of system type | A | B | C | D | E | F | G | H | I | | |
| Standard value | 0.3 | 1.1 | 0.5 | 1.9 | 1.6 | 0.5 | 1.1 | 0.5 | 1 | Zone | Standard |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite B | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| Ensuite A | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| A L1 Added Ensuite | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| A L1 Added Ensuite | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| A L1 Added Ensuite | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| A L1 Added Ensuite | 0.3 | - | - | - | - | - | - | - | - | - | N/A |
| A L1 Added Ensuite | 0.3 | - | - | - | - | - | - | - | - | - | N/A |

| General lighting and display lighting | Luminous efficacy [lm/W] | | | |
|---|---|---|---|---|
| Zone name | Luminaire | Lamp | Display lamp | General lighting [W] |
| Standard value | 60 | 60 | 22 | |
| A GF Circulation | - | 136 | - | 139 |
| A GF Plant | 74 | - | - | 123 |
| Ensuite A | - | 216 | - | 21 |
| A L1 Circulation | - | 131 | - | 416 |
| A L1 Apt 9 | - | 190 | - | 26 |
| Ensuite A | - | 322 | - | 11 |
| Ensuite A | - | 328 | - | 10 |
| A L1 Apt 8 | - | 188 | - | 26 |
| A L1 Apt 7 | - | 190 | - | 26 |
| Ensuite A | - | 321 | - | 11 |
| Ensuite A | - | 272 | - | 14 |
| A L1 Apt 6 | - | 195 | - | 25 |
| Ensuite A | - | 332 | - | 10 |
| A L1 Apt 10 | - | 188 | - | 26 |
| A L1 Apt 11 | - | 191 | - | 26 |
| Ensuite A | - | 322 | - | 11 |

| General lighting and display lighting | Luminous efficacy [lm/W] | | | |
|---|---|---|---|---|
| **Zone name** | **Luminaire** | **Lamp** | **Display lamp** | **General lighting [W]** |
| **Standard value** | 60 | 60 | 22 | |
| Ensuite A | - | 316 | - | 11 |
| A L1 Apt 12 | - | 195 | - | 25 |
| A L1 Apt 13 | - | 185 | - | 27 |
| Ensuite A | - | 308 | - | 11 |
| A L1 Apt 14 | - | 186 | - | 27 |
| Ensuite A | - | 324 | - | 11 |
| Ensuite A | - | 324 | - | 11 |
| A L1 Apt 15 | - | 189 | - | 26 |
| A L1 Apt 16 | - | 185 | - | 27 |
| Ensuite A | - | 311 | - | 11 |
| A L1 Apt 19 | - | 192 | - | 25 |
| Ensuite A | - | 315 | - | 11 |
| Ensuite A | - | 308 | - | 11 |
| A L1 Apt 20 | - | 196 | - | 25 |
| Ensuite A | - | 332 | - | 10 |
| A L1 Apt 18 | - | 189 | - | 26 |
| A L1 Apt 17 | - | 190 | - | 26 |
| Ensuite A | - | 332 | - | 10 |
| A L1 Apt 21 | - | 152 | - | 40 |
| A L1 Apt 22 | - | 193 | - | 25 |
| Ensuite A | - | 323 | - | 11 |
| Ensuite A | - | 308 | - | 12 |
| A L1 Apt 23 | - | 195 | - | 25 |
| A L1 Apt 2 | - | 199 | - | 25 |
| Ensuite A | - | 294 | - | 13 |
| Ensuite A | - | 301 | - | 12 |
| A L1 Apt 1 | - | 193 | - | 26 |
| Ensuite A | - | 305 | - | 12 |
| A L1 Apt 3 | - | 195 | - | 25 |
| A L1 Apt 4 | - | 188 | - | 27 |
| Ensuite A | - | 321 | - | 11 |
| Ensuite A | - | 309 | - | 12 |
| A L1 Apt 5 | - | 190 | - | 26 |
| B L1 Circulation | - | 130 | - | 722 |
| Ensuite B | - | 209 | - | 23 |
| B L1 Apt 7 | - | 150 | - | 44 |
| B L1 Apt 18 | - | 183 | - | 29 |
| Ensuite B | - | 343 | - | 10 |
| Ensuite B | - | 315 | - | 11 |
| B L1 Apt 19 | - | 184 | - | 29 |
| Ensuite B | - | 293 | - | 13 |
| B L1 Apt 17 | - | 185 | - | 29 |
| B L1 Apt 14 | - | 181 | - | 30 |

| General lighting and display lighting | Luminous efficacy [lm/W] | | | |
|---|---|---|---|---|
| **Zone name** | **Luminaire** | **Lamp** | **Display lamp** | **General lighting [W]** |
| **Standard value** | 60 | 60 | 22 | |
| Ensuite B | - | 296 | - | 12 |
| Ensuite B | - | 271 | - | 14 |
| B L1 Apt 13 | - | 187 | - | 29 |
| B L1 Apt 9 | - | 186 | - | 28 |
| Ensuite B | - | 314 | - | 11 |
| B L1 Apt 8 | - | 184 | - | 29 |
| Ensuite B | - | 291 | - | 13 |
| Ensuite B | - | 290 | - | 13 |
| B L1 Apt 1 | - | 199 | - | 24 |
| B L1 Apt 2 | - | 190 | - | 26 |
| Ensuite B | - | 287 | - | 13 |
| Ensuite B | - | 344 | - | 11 |
| B L1 Apt 3 | - | 192 | - | 26 |
| B L1 Apt 4 | - | 190 | - | 27 |
| Ensuite B | - | 318 | - | 11 |
| B L1 Apt 5 | - | 189 | - | 27 |
| Ensuite B | - | 297 | - | 12 |
| B L1 Apt 6 | - | 191 | - | 27 |
| Ensuite B | - | 282 | - | 13 |
| B L1 Apt 10 | - | 186 | - | 29 |
| Ensuite B | - | 296 | - | 12 |
| Ensuite B | - | 296 | - | 12 |
| B L1 Apt 11 | - | 185 | - | 29 |
| B L1 Apt 12 | - | 184 | - | 29 |
| Ensuite B | - | 292 | - | 13 |
| Ensuite B | - | 281 | - | 13 |
| B L1 Apt 15 | - | 183 | - | 30 |
| B L1 Apt 16 | - | 188 | - | 28 |
| Ensuite B | - | 298 | - | 12 |
| Ensuite B | - | 299 | - | 12 |
| B L1 Apt 20 | - | 194 | - | 26 |
| B L1 Apt 21 | - | 192 | - | 26 |
| Ensuite B | - | 291 | - | 13 |
| Ensuite B | - | 293 | - | 14 |
| B L1 Apt 22 | - | 195 | - | 25 |
| B L1 Apt 23 | - | 189 | - | 27 |
| Ensuite B | - | 315 | - | 11 |
| B L1 Apt 24 | - | 195 | - | 26 |
| Ensuite B | - | 296 | - | 12 |
| Ensuite B | - | 306 | - | 12 |
| B L1 Apt 25 | - | 192 | - | 26 |
| B L1 Apt 26 | - | 196 | - | 25 |
| Ensuite B | - | 293 | - | 13 |

| General lighting and display lighting | Luminous efficacy [lm/W] | | | |
|---|---|---|---|---|
| **Zone name** | **Luminaire** | **Lamp** | **Display lamp** | **General lighting [W]** |
| **Standard value** | 60 | 60 | 22 | |
| Ensuite B | - | 309 | - | 12 |
| B L1 Apt 27 | - | 193 | - | 26 |
| B L1 Apt 28 | - | 201 | - | 25 |
| Ensuite B | - | 254 | - | 16 |
| Ensuite B | - | 309 | - | 12 |
| B L1 Apt 29 | - | 189 | - | 27 |
| Ensuite B | - | 311 | - | 12 |
| B L1 Apt 30 | - | 192 | - | 27 |
| B L1 Apt 31 | - | 193 | - | 26 |
| Ensuite B | - | 289 | - | 13 |
| Ensuite B | - | 316 | - | 12 |
| B L1 Apt 32 | - | 200 | - | 24 |
| B L1 Apt 34 | - | 189 | - | 27 |
| Ensuite B | - | 294 | - | 13 |
| Ensuite B | - | 315 | - | 12 |
| B L1 Apt 35 | - | 190 | - | 27 |
| B L1 Apt 36 | - | 190 | - | 27 |
| Ensuite B | - | 294 | - | 13 |
| Ensuite B | - | 314 | - | 11 |
| B L1 Apt 37 | - | 191 | - | 26 |
| B L1 Apt 38 | - | 192 | - | 26 |
| Ensuite B | - | 291 | - | 13 |
| Ensuite B | - | 333 | - | 11 |
| B L1 Apt 39 | - | 195 | - | 25 |
| B L1 Apt 40 | - | 197 | - | 25 |
| Ensuite B | - | 303 | - | 12 |
| Ensuite B | - | 287 | - | 13 |
| B L1 Apt 41 | - | 197 | - | 26 |
| B L1 Apt 43 | - | 188 | - | 28 |
| Ensuite B | - | 278 | - | 14 |
| B L1 Apt 42 | - | 193 | - | 26 |
| Ensuite B | - | 287 | - | 13 |
| B GF Plant | 61 | - | - | 938 |
| B GF Toilets | - | 141 | - | 152 |
| B GF Circulation 1 | - | 138 | - | 174 |
| B GF Store | 38 | - | - | 54 |
| B GF Circulation 2 | - | 126 | - | 421 |
| B GF Rubbish Store | 37 | - | - | 68 |
| B L1 Circulation | - | 130 | - | 722 |
| Ensuite B | - | 209 | - | 23 |
| B L1 Apt 7 | - | 150 | - | 44 |
| B L1 Apt 18 | - | 183 | - | 29 |
| Ensuite B | - | 343 | - | 10 |

| General lighting and display lighting | Luminous efficacy [lm/W] | | | |
|---|---|---|---|---|
| **Zone name** | **Luminaire** | **Lamp** | **Display lamp** | **General lighting [W]** |
| **Standard value** | 60 | 60 | 22 | |
| Ensuite B | - | 315 | - | 11 |
| B L1 Apt 19 | - | 184 | - | 29 |
| Ensuite B | - | 293 | - | 13 |
| B L1 Apt 17 | - | 185 | - | 29 |
| B L1 Apt 14 | - | 181 | - | 30 |
| Ensuite B | - | 296 | - | 12 |
| Ensuite B | - | 271 | - | 14 |
| B L1 Apt 13 | - | 187 | - | 29 |
| B L1 Apt 9 | - | 186 | - | 28 |
| Ensuite B | - | 314 | - | 11 |
| B L1 Apt 8 | - | 184 | - | 29 |
| Ensuite B | - | 291 | - | 13 |
| Ensuite B | - | 290 | - | 13 |
| B L1 Apt 1 | - | 199 | - | 24 |
| B L1 Apt 2 | - | 190 | - | 26 |
| Ensuite B | - | 287 | - | 13 |
| Ensuite B | - | 344 | - | 11 |
| B L1 Apt 3 | - | 192 | - | 26 |
| B L1 Apt 4 | - | 190 | - | 27 |
| Ensuite B | - | 318 | - | 11 |
| B L1 Apt 5 | - | 189 | - | 27 |
| Ensuite B | - | 297 | - | 12 |
| B L1 Apt 6 | - | 191 | - | 27 |
| Ensuite B | - | 282 | - | 13 |
| B L1 Apt 10 | - | 186 | - | 29 |
| Ensuite B | - | 296 | - | 12 |
| Ensuite B | - | 296 | - | 12 |
| B L1 Apt 11 | - | 185 | - | 29 |
| B L1 Apt 12 | - | 184 | - | 29 |
| Ensuite B | - | 292 | - | 13 |
| Ensuite B | - | 281 | - | 13 |
| B L1 Apt 15 | - | 183 | - | 30 |
| B L1 Apt 16 | - | 188 | - | 28 |
| Ensuite B | - | 298 | - | 12 |
| Ensuite B | - | 299 | - | 12 |
| B L1 Apt 20 | - | 194 | - | 26 |
| B L1 Apt 21 | - | 192 | - | 26 |
| Ensuite B | - | 291 | - | 13 |
| Ensuite B | - | 293 | - | 14 |
| B L1 Apt 22 | - | 195 | - | 25 |
| B L1 Apt 23 | - | 189 | - | 27 |
| Ensuite B | - | 315 | - | 11 |
| B L1 Apt 24 | - | 195 | - | 26 |

| General lighting and display lighting | Luminous efficacy [lm/W] | | | |
|---|---|---|---|---|
| **Zone name** | **Luminaire** | **Lamp** | **Display lamp** | **General lighting [W]** |
| **Standard value** | 60 | 60 | 22 | |
| Ensuite B | - | 296 | - | 12 |
| Ensuite B | - | 306 | - | 12 |
| B L1 Apt 25 | - | 192 | - | 26 |
| B L1 Apt 26 | - | 196 | - | 25 |
| Ensuite B | - | 293 | - | 13 |
| Ensuite B | - | 309 | - | 12 |
| B L1 Apt 27 | - | 193 | - | 26 |
| B L1 Apt 28 | - | 201 | - | 25 |
| Ensuite B | - | 254 | - | 16 |
| Ensuite B | - | 309 | - | 12 |
| B L1 Apt 29 | - | 189 | - | 27 |
| Ensuite B | - | 311 | - | 12 |
| B L1 Apt 30 | - | 192 | - | 27 |
| B L1 Apt 31 | - | 193 | - | 26 |
| Ensuite B | - | 289 | - | 13 |
| Ensuite B | - | 316 | - | 12 |
| B L1 Apt 32 | - | 200 | - | 24 |
| B L1 Apt 34 | - | 189 | - | 27 |
| Ensuite B | - | 294 | - | 13 |
| Ensuite B | - | 315 | - | 12 |
| B L1 Apt 35 | - | 190 | - | 27 |
| B L1 Apt 36 | - | 190 | - | 27 |
| Ensuite B | - | 294 | - | 13 |
| Ensuite B | - | 314 | - | 11 |
| B L1 Apt 37 | - | 191 | - | 26 |
| B L1 Apt 38 | - | 192 | - | 26 |
| Ensuite B | - | 291 | - | 13 |
| Ensuite B | - | 333 | - | 11 |
| B L1 Apt 39 | - | 195 | - | 25 |
| B L1 Apt 40 | - | 197 | - | 25 |
| Ensuite B | - | 303 | - | 12 |
| Ensuite B | - | 287 | - | 13 |
| B L1 Apt 41 | - | 197 | - | 26 |
| B L1 Apt 43 | - | 188 | - | 28 |
| Ensuite B | - | 278 | - | 14 |
| B L1 Apt 42 | - | 193 | - | 26 |
| Ensuite B | - | 287 | - | 13 |
| B L1 Circulation | - | 130 | - | 722 |
| Ensuite B | - | 209 | - | 23 |
| B L1 Apt 7 | - | 150 | - | 44 |
| B L1 Apt 18 | - | 183 | - | 29 |
| Ensuite B | - | 343 | - | 10 |
| Ensuite B | - | 315 | - | 11 |

| General lighting and display lighting | Luminous efficacy [lm/W] | | | |
|---|---|---|---|---|
| **Zone name** | **Luminaire** | **Lamp** | **Display lamp** | **General lighting [W]** |
| **Standard value** | 60 | 60 | 22 | |
| B L1 Apt 19 | - | 184 | - | 29 |
| Ensuite B | - | 293 | - | 13 |
| B L1 Apt 17 | - | 185 | - | 29 |
| B L1 Apt 14 | - | 181 | - | 30 |
| Ensuite B | - | 296 | - | 12 |
| Ensuite B | - | 271 | - | 14 |
| B L1 Apt 13 | - | 187 | - | 29 |
| B L1 Apt 9 | - | 186 | - | 28 |
| Ensuite B | - | 314 | - | 11 |
| B L1 Apt 8 | - | 184 | - | 29 |
| Ensuite B | - | 291 | - | 13 |
| Ensuite B | - | 290 | - | 13 |
| B L1 Apt 1 | - | 199 | - | 24 |
| B L1 Apt 2 | - | 190 | - | 26 |
| Ensuite B | - | 287 | - | 13 |
| Ensuite B | - | 344 | - | 11 |
| B L1 Apt 3 | - | 192 | - | 26 |
| B L1 Apt 4 | - | 190 | - | 27 |
| Ensuite B | - | 318 | - | 11 |
| B L1 Apt 5 | - | 189 | - | 27 |
| Ensuite B | - | 297 | - | 12 |
| B L1 Apt 6 | - | 191 | - | 27 |
| Ensuite B | - | 282 | - | 13 |
| B L1 Apt 10 | - | 186 | - | 29 |
| Ensuite B | - | 296 | - | 12 |
| Ensuite B | - | 296 | - | 12 |
| B L1 Apt 11 | - | 185 | - | 29 |
| B L1 Apt 12 | - | 184 | - | 29 |
| Ensuite B | - | 292 | - | 13 |
| Ensuite B | - | 281 | - | 13 |
| B L1 Apt 15 | - | 183 | - | 30 |
| B L1 Apt 16 | - | 188 | - | 28 |
| Ensuite B | - | 298 | - | 12 |
| Ensuite B | - | 299 | - | 12 |
| B L1 Apt 20 | - | 194 | - | 26 |
| B L1 Apt 21 | - | 192 | - | 26 |
| Ensuite B | - | 291 | - | 13 |
| Ensuite B | - | 293 | - | 14 |
| B L1 Apt 22 | - | 195 | - | 25 |
| B L1 Apt 23 | - | 189 | - | 27 |
| Ensuite B | - | 315 | - | 11 |
| B L1 Apt 24 | - | 195 | - | 26 |
| Ensuite B | - | 296 | - | 12 |

| General lighting and display lighting | Luminous efficacy [lm/W] | | | |
|---|---|---|---|---|
| **Zone name** | **Luminaire** | **Lamp** | **Display lamp** | **General lighting [W]** |
| **Standard value** | 60 | 60 | 22 | |
| Ensuite B | - | 306 | - | 12 |
| B L1 Apt 25 | - | 192 | - | 26 |
| B L1 Apt 26 | - | 196 | - | 25 |
| Ensuite B | - | 293 | - | 13 |
| Ensuite B | - | 309 | - | 12 |
| B L1 Apt 27 | - | 193 | - | 26 |
| B L1 Apt 28 | - | 201 | - | 25 |
| Ensuite B | - | 254 | - | 16 |
| Ensuite B | - | 309 | - | 12 |
| B L1 Apt 29 | - | 189 | - | 27 |
| Ensuite B | - | 311 | - | 12 |
| B L1 Apt 30 | - | 192 | - | 27 |
| B L1 Apt 31 | - | 193 | - | 26 |
| Ensuite B | - | 289 | - | 13 |
| Ensuite B | - | 316 | - | 12 |
| B L1 Apt 32 | - | 200 | - | 24 |
| B L1 Apt 34 | - | 189 | - | 27 |
| Ensuite B | - | 294 | - | 13 |
| Ensuite B | - | 315 | - | 12 |
| B L1 Apt 35 | - | 190 | - | 27 |
| B L1 Apt 36 | - | 190 | - | 27 |
| Ensuite B | - | 294 | - | 13 |
| Ensuite B | - | 314 | - | 11 |
| B L1 Apt 37 | - | 191 | - | 26 |
| B L1 Apt 38 | - | 192 | - | 26 |
| Ensuite B | - | 291 | - | 13 |
| Ensuite B | - | 333 | - | 11 |
| B L1 Apt 39 | - | 195 | - | 25 |
| B L1 Apt 40 | - | 197 | - | 25 |
| Ensuite B | - | 303 | - | 12 |
| Ensuite B | - | 287 | - | 13 |
| B L1 Apt 41 | - | 197 | - | 26 |
| B L1 Apt 43 | - | 188 | - | 28 |
| Ensuite B | - | 278 | - | 14 |
| B L1 Apt 42 | - | 193 | - | 26 |
| Ensuite B | - | 287 | - | 13 |
| Ensuite B | - | 209 | - | 23 |
| B L1 Apt 7 | - | 150 | - | 44 |
| B L1 Apt 18 | - | 183 | - | 29 |
| Ensuite B | - | 343 | - | 10 |
| Ensuite B | - | 315 | - | 11 |
| B L1 Apt 19 | - | 184 | - | 29 |
| Ensuite B | - | 293 | - | 13 |

| General lighting and display lighting | Luminous efficacy [lm/W] | | | |
|---|---|---|---|---|
| **Zone name** | **Luminaire** | **Lamp** | **Display lamp** | **General lighting [W]** |
| **Standard value** | 60 | 60 | 22 | |
| B L1 Apt 17 | - | 185 | - | 29 |
| B L1 Apt 14 | - | 181 | - | 30 |
| Ensuite B | - | 296 | - | 12 |
| Ensuite B | - | 271 | - | 14 |
| B L1 Apt 13 | - | 187 | - | 29 |
| B L1 Apt 9 | - | 186 | - | 28 |
| Ensuite B | - | 314 | - | 11 |
| B L1 Apt 8 | - | 184 | - | 29 |
| Ensuite B | - | 291 | - | 13 |
| B L1 Apt 10 | - | 186 | - | 29 |
| Ensuite B | - | 296 | - | 12 |
| Ensuite B | - | 296 | - | 12 |
| B L1 Apt 11 | - | 185 | - | 29 |
| B L1 Apt 12 | - | 184 | - | 29 |
| Ensuite B | - | 292 | - | 13 |
| Ensuite B | - | 281 | - | 13 |
| B L1 Apt 15 | - | 183 | - | 30 |
| B L1 Apt 16 | - | 188 | - | 28 |
| Ensuite B | - | 298 | - | 12 |
| Ensuite B | - | 299 | - | 12 |
| B L1 Apt 20 | - | 194 | - | 26 |
| B L1 Apt 21 | - | 192 | - | 26 |
| Ensuite B | - | 291 | - | 13 |
| Ensuite B | - | 293 | - | 14 |
| B L1 Apt 22 | - | 195 | - | 25 |
| B L1 Apt 23 | - | 189 | - | 27 |
| Ensuite B | - | 315 | - | 11 |
| B L1 Apt 24 | - | 195 | - | 26 |
| Ensuite B | - | 296 | - | 12 |
| Ensuite B | - | 306 | - | 12 |
| B L1 Apt 25 | - | 192 | - | 26 |
| B L1 Apt 26 | - | 196 | - | 25 |
| Ensuite B | - | 293 | - | 13 |
| Ensuite B | - | 309 | - | 12 |
| B L1 Apt 27 | - | 193 | - | 26 |
| B L1 Apt 28 | - | 201 | - | 25 |
| Ensuite B | - | 254 | - | 16 |
| Ensuite B | - | 309 | - | 12 |
| B L1 Apt 29 | - | 189 | - | 27 |
| Ensuite B | - | 311 | - | 12 |
| B L1 Apt 30 | - | 192 | - | 27 |
| B L1 Apt 31 | - | 193 | - | 26 |
| Ensuite B | - | 289 | - | 13 |

| General lighting and display lighting | Luminous efficacy [lm/W] | | | |
|---|---|---|---|---|
| **Zone name** | **Luminaire** | **Lamp** | **Display lamp** | **General lighting [W]** |
| **Standard value** | 60 | 60 | 22 | |
| Ensuite B | - | 316 | - | 12 |
| B L1 Apt 32 | - | 200 | - | 24 |
| B L1 Apt 34 | - | 189 | - | 27 |
| Ensuite B | - | 294 | - | 13 |
| Ensuite B | - | 315 | - | 12 |
| B L1 Apt 35 | - | 190 | - | 27 |
| B L1 Apt 36 | - | 190 | - | 27 |
| Ensuite B | - | 294 | - | 13 |
| Ensuite B | - | 314 | - | 11 |
| B L1 Apt 37 | - | 191 | - | 26 |
| B L1 Apt 38 | - | 192 | - | 26 |
| Ensuite B | - | 291 | - | 13 |
| Ensuite B | - | 333 | - | 11 |
| B L1 Apt 39 | - | 195 | - | 25 |
| B L1 Apt 40 | - | 197 | - | 25 |
| Ensuite B | - | 303 | - | 12 |
| Ensuite B | - | 287 | - | 13 |
| B L1 Apt 41 | - | 197 | - | 26 |
| B L1 Apt 43 | - | 188 | - | 28 |
| Ensuite B | - | 278 | - | 14 |
| B L1 Apt 42 | - | 193 | - | 26 |
| Ensuite B | - | 287 | - | 13 |
| B L1 Circulation | - | 132 | - | 523 |
| B L1 Circulation | - | 130 | - | 137 |
| Ensuite A | - | 216 | - | 21 |
| A L2 Circulation | - | 131 | - | 416 |
| A L2 Apt 9 | - | 190 | - | 26 |
| Ensuite A | - | 322 | - | 11 |
| Ensuite A | - | 328 | - | 10 |
| A L2 Apt 8 | - | 188 | - | 26 |
| A L2 Apt 7 | - | 190 | - | 26 |
| Ensuite A | - | 321 | - | 11 |
| Ensuite A | - | 272 | - | 14 |
| A L2 Apt 6 | - | 195 | - | 25 |
| Ensuite A | - | 332 | - | 10 |
| A L2 Apt 10 | - | 188 | - | 26 |
| A L2 Apt 11 | - | 191 | - | 26 |
| Ensuite A | - | 322 | - | 11 |
| Ensuite A | - | 316 | - | 11 |
| A L2 Apt 12 | - | 195 | - | 25 |
| A L2 Apt 13 | - | 185 | - | 27 |
| Ensuite A | - | 308 | - | 11 |
| A L2 Apt 14 | - | 186 | - | 27 |

| General lighting and display lighting | Luminous efficacy [lm/W] | | | |
|---|---|---|---|---|
| **Zone name** | **Luminaire** | **Lamp** | **Display lamp** | **General lighting [W]** |
| **Standard value** | 60 | 60 | 22 | |
| Ensuite A | - | 324 | - | 11 |
| Ensuite A | - | 324 | - | 11 |
| A L2 Apt 15 | - | 189 | - | 26 |
| A L2 Apt 16 | - | 185 | - | 27 |
| Ensuite A | - | 311 | - | 11 |
| A L2 Apt 19 | - | 192 | - | 25 |
| Ensuite A | - | 315 | - | 11 |
| Ensuite A | - | 308 | - | 11 |
| A L2 Apt 20 | - | 196 | - | 25 |
| Ensuite A | - | 332 | - | 10 |
| A L2 Apt 18 | - | 189 | - | 26 |
| A L2 Apt 17 | - | 190 | - | 26 |
| Ensuite A | - | 332 | - | 10 |
| A L2 Apt 21 | - | 152 | - | 40 |
| A L2 Apt 22 | - | 193 | - | 25 |
| Ensuite A | - | 323 | - | 11 |
| Ensuite A | - | 308 | - | 12 |
| A L2 Apt 23 | - | 195 | - | 25 |
| A L2 Apt 2 | - | 199 | - | 25 |
| Ensuite A | - | 294 | - | 13 |
| Ensuite A | - | 301 | - | 12 |
| A L2 Apt 1 | - | 193 | - | 26 |
| Ensuite A | - | 305 | - | 12 |
| A L2 Apt 3 | - | 195 | - | 25 |
| A L2 Apt 4 | - | 188 | - | 27 |
| Ensuite A | - | 321 | - | 11 |
| Ensuite A | - | 309 | - | 12 |
| A L2 Apt 5 | - | 190 | - | 26 |
| Ensuite A | - | 216 | - | 21 |
| A L3 Circulation | - | 131 | - | 416 |
| A L3 Apt 9 | - | 190 | - | 26 |
| Ensuite A | - | 322 | - | 11 |
| Ensuite A | - | 328 | - | 10 |
| A L3 Apt 8 | - | 188 | - | 26 |
| A L3 Apt 7 | - | 190 | - | 26 |
| Ensuite A | - | 321 | - | 11 |
| Ensuite A | - | 272 | - | 14 |
| A L3 Apt 6 | - | 195 | - | 25 |
| Ensuite A | - | 332 | - | 10 |
| A L3 Apt 10 | - | 188 | - | 26 |
| A L3 Apt 11 | - | 191 | - | 26 |
| Ensuite A | - | 322 | - | 11 |
| Ensuite A | - | 316 | - | 11 |

| General lighting and display lighting | Luminous efficacy [lm/W] | | | |
|---|---|---|---|---|
| **Zone name** | **Luminaire** | **Lamp** | **Display lamp** | **General lighting [W]** |
| **Standard value** | 60 | 60 | 22 | |
| A L3 Apt 12 | - | 195 | - | 25 |
| A L3 Apt 13 | - | 185 | - | 27 |
| Ensuite A | - | 308 | - | 11 |
| A L3 Apt 14 | - | 186 | - | 27 |
| Ensuite A | - | 324 | - | 11 |
| Ensuite A | - | 324 | - | 11 |
| A L3 Apt 15 | - | 189 | - | 26 |
| A L3 Apt 16 | - | 185 | - | 27 |
| Ensuite A | - | 311 | - | 11 |
| A L3 Apt 19 | - | 192 | - | 25 |
| Ensuite A | - | 315 | - | 11 |
| Ensuite A | - | 308 | - | 11 |
| A L3 Apt 20 | - | 196 | - | 25 |
| Ensuite A | - | 332 | - | 10 |
| A L3 Apt 18 | - | 189 | - | 26 |
| A L3 Apt 17 | - | 190 | - | 26 |
| Ensuite A | - | 332 | - | 10 |
| A L3 Apt 21 | - | 152 | - | 40 |
| A L3 Apt 22 | - | 193 | - | 25 |
| Ensuite A | - | 323 | - | 11 |
| Ensuite A | - | 308 | - | 12 |
| A L3 Apt 23 | - | 195 | - | 25 |
| A L3 Apt 2 | - | 199 | - | 25 |
| Ensuite A | - | 294 | - | 13 |
| Ensuite A | - | 301 | - | 12 |
| A L3 Apt 1 | - | 193 | - | 26 |
| Ensuite A | - | 305 | - | 12 |
| A L3 Apt 3 | - | 195 | - | 25 |
| A L3 Apt 4 | - | 188 | - | 27 |
| Ensuite A | - | 321 | - | 11 |
| Ensuite A | - | 309 | - | 12 |
| A L3 Apt 5 | - | 190 | - | 26 |
| Ensuite A | - | 216 | - | 21 |
| A L4 Circulation | - | 131 | - | 416 |
| A L4 Apt 9 | - | 190 | - | 26 |
| Ensuite A | - | 322 | - | 11 |
| Ensuite A | - | 328 | - | 10 |
| A L4 Apt 8 | - | 188 | - | 26 |
| A L4 Apt 7 | - | 190 | - | 26 |
| Ensuite A | - | 321 | - | 11 |
| Ensuite A | - | 272 | - | 14 |
| A L4 Apt 6 | - | 195 | - | 25 |
| Ensuite A | - | 332 | - | 10 |

| General lighting and display lighting | Luminous efficacy [lm/W] | | | |
|---|---|---|---|---|
| **Zone name** | **Luminaire** | **Lamp** | **Display lamp** | **General lighting [W]** |
| **Standard value** | 60 | 60 | 22 | |
| A L4 Apt 10 | - | 188 | - | 26 |
| A L4 Apt 11 | - | 191 | - | 26 |
| Ensuite A | - | 322 | - | 11 |
| Ensuite A | - | 316 | - | 11 |
| A L4 Apt 12 | - | 195 | - | 25 |
| A L4 Apt 13 | - | 185 | - | 27 |
| Ensuite A | - | 308 | - | 11 |
| A L4 Apt 14 | - | 186 | - | 27 |
| Ensuite A | - | 324 | - | 11 |
| Ensuite A | - | 324 | - | 11 |
| A L4 Apt 15 | - | 189 | - | 26 |
| A L4 Apt 16 | - | 185 | - | 27 |
| Ensuite A | - | 311 | - | 11 |
| A L4 Apt 19 | - | 192 | - | 25 |
| Ensuite A | - | 315 | - | 11 |
| Ensuite A | - | 308 | - | 11 |
| A L4 Apt 20 | - | 196 | - | 25 |
| Ensuite A | - | 332 | - | 10 |
| A L4 Apt 18 | - | 189 | - | 26 |
| A L4 Apt 17 | - | 190 | - | 26 |
| Ensuite A | - | 332 | - | 10 |
| A L4 Apt 21 | - | 152 | - | 40 |
| A L4 Apt 22 | - | 193 | - | 25 |
| Ensuite A | - | 323 | - | 11 |
| Ensuite A | - | 308 | - | 12 |
| A L4 Apt 23 | - | 195 | - | 25 |
| A L4 Apt 2 | - | 199 | - | 25 |
| Ensuite A | - | 294 | - | 13 |
| Ensuite A | - | 301 | - | 12 |
| A L4 Apt 1 | - | 193 | - | 26 |
| Ensuite A | - | 305 | - | 12 |
| A L4 Apt 3 | - | 195 | - | 25 |
| A L4 Apt 4 | - | 188 | - | 27 |
| Ensuite A | - | 321 | - | 11 |
| Ensuite A | - | 309 | - | 12 |
| A L4 Apt 5 | - | 190 | - | 26 |
| A L5 Apt 4 | - | 190 | - | 26 |
| Ensuite A | - | 322 | - | 11 |
| Ensuite A | - | 328 | - | 10 |
| A L5 Apt 3 | - | 188 | - | 26 |
| A L5 Apt 2 | - | 190 | - | 26 |
| Ensuite A | - | 321 | - | 11 |
| Ensuite A | - | 272 | - | 14 |

| General lighting and display lighting | Luminous efficacy [lm/W] | | | |
|---|---|---|---|---|
| **Zone name** | **Luminaire** | **Lamp** | **Display lamp** | **General lighting [W]** |
| **Standard value** | 60 | 60 | 22 | |
| A L5 Apt 1 | - | 195 | - | 25 |
| Ensuite A | - | 332 | - | 10 |
| A L5 Apt 5 | - | 188 | - | 26 |
| A L5 Apt 6 | - | 191 | - | 26 |
| Ensuite A | - | 322 | - | 11 |
| Ensuite A | - | 316 | - | 11 |
| A L5 Apt 7 | - | 195 | - | 25 |
| Ensuite B | - | 309 | - | 12 |
| B L1 Apt 29 | - | 189 | - | 27 |
| Ensuite B | - | 311 | - | 12 |
| B L1 Apt 30 | - | 192 | - | 27 |
| B L1 Apt 31 | - | 193 | - | 26 |
| Ensuite B | - | 289 | - | 13 |
| Ensuite B | - | 316 | - | 12 |
| B L1 Apt 34 | - | 189 | - | 27 |
| Ensuite B | - | 294 | - | 13 |
| Ensuite B | - | 315 | - | 12 |
| B L1 Apt 35 | - | 190 | - | 27 |
| B L1 Apt 36 | - | 190 | - | 27 |
| Ensuite B | - | 294 | - | 13 |
| Ensuite B | - | 314 | - | 11 |
| B L1 Apt 37 | - | 191 | - | 26 |
| B L1 Apt 38 | - | 192 | - | 26 |
| Ensuite B | - | 291 | - | 13 |
| Ensuite B | - | 333 | - | 11 |
| B L1 Apt 39 | - | 195 | - | 25 |
| B L1 Apt 40 | - | 197 | - | 25 |
| Ensuite B | - | 303 | - | 12 |
| Ensuite B | - | 287 | - | 13 |
| B L1 Apt 41 | - | 197 | - | 26 |
| B L1 Apt 43 | - | 188 | - | 28 |
| Ensuite B | - | 278 | - | 14 |
| B L1 Apt 42 | - | 193 | - | 26 |
| Ensuite B | - | 287 | - | 13 |
| B L1 Apt 32 | - | 200 | - | 24 |
| B L1 Circulation | - | 137 | - | 127 |
| B L5 Circulation | - | 124 | - | 222 |
| A L5 Apt 8 | - | 185 | - | 27 |
| Ensuite A | - | 308 | - | 11 |
| A L5 Circulation | - | 146 | - | 39 |
| A L5 Circulation | - | 160 | - | 34 |
| A L5 Apt 8 | - | 185 | - | 27 |
| Ensuite A | - | 308 | - | 11 |

| General lighting and display lighting | Luminous efficacy [lm/W] | | | |
|---|---|---|---|---|
| **Zone name** | **Luminaire** | **Lamp** | **Display lamp** | **General lighting [W]** |
| **Standard value** | 60 | 60 | 22 | |
| A L5 Circulation | - | 160 | - | 34 |
| A L5 Circulation | - | 127 | - | 246 |
| A L1 Added Circ | - | 143 | - | 114 |
| A L1 Added Apt 1 | - | 159 | - | 35 |
| A L1 Added Apt 2 | - | 160 | - | 35 |
| A L1 Added Living | - | 143 | - | 76 |
| A L1 Added Ensuite | - | 142 | - | 38 |
| A L1 Added Apt 3 | - | 160 | - | 36 |
| A L1 Added Circ | - | 143 | - | 114 |
| A L1 Added Apt 1 | - | 159 | - | 35 |
| A L1 Added Apt 2 | - | 160 | - | 35 |
| A L1 Added Living | - | 143 | - | 76 |
| A L1 Added Ensuite | - | 142 | - | 38 |
| A L1 Added Apt 3 | - | 160 | - | 36 |
| A L1 Added Circ | - | 143 | - | 114 |
| A L1 Added Apt 1 | - | 159 | - | 35 |
| A L1 Added Apt 2 | - | 160 | - | 35 |
| A L1 Added Living | - | 143 | - | 76 |
| A L1 Added Ensuite | - | 142 | - | 38 |
| A L1 Added Apt 3 | - | 160 | - | 36 |
| A L1 Added Circ | - | 143 | - | 114 |
| A L1 Added Apt 1 | - | 159 | - | 35 |
| A L1 Added Apt 2 | - | 160 | - | 35 |
| A L1 Added Living | - | 143 | - | 76 |
| A L1 Added Ensuite | - | 142 | - | 38 |
| A L1 Added Apt 3 | - | 160 | - | 36 |
| A L1 Added Circ | - | 143 | - | 114 |
| A L1 Added Apt 1 | - | 159 | - | 35 |
| A L1 Added Apt 2 | - | 160 | - | 35 |
| A L1 Added Living | - | 143 | - | 76 |
| A L1 Added Ensuite | - | 142 | - | 38 |
| A L1 Added Apt 3 | - | 160 | - | 36 |
| A L1 Living 1 | - | 126 | - | 135 |
| A L1 Living 3 | - | 124 | - | 147 |
| B L1 Living 5 | - | 130 | - | 127 |
| B L1 Living 4 | - | 127 | - | 146 |
| B L1 Living 1 | - | 127 | - | 133 |
| B L1 Living 2 | - | 127 | - | 125 |
| B L1 Living 3 | - | 128 | - | 120 |
| B GF Laundry | - | 156 | - | 181 |
| B GF Lounge | - | 133 | 15 | 239 |
| B GF Cinema | - | 147 | - | 256 |
| B GF Canteen | - | 134 | 15 | 109 |

| General lighting and display lighting | Luminous efficacy [lm/W] | | | |
|---|---|---|---|---|
| **Zone name** | **Luminaire** | **Lamp** | **Display lamp** | **General lighting [W]** |
| **Standard value** | 60 | 60 | 22 | |
| B GF Gym | - | 127 | - | 160 |
| B GF Reception Lobby | - | 124 | 15 | 907 |
| B GF Manager Office | 83 | - | - | 159 |
| B GF Post Room | 41 | - | - | 40 |
| B GF Meeting Room | 71 | - | - | 276 |
| B L1 Living 5 | - | 130 | - | 127 |
| B L1 Living 4 | - | 127 | - | 146 |
| B L1 Living 1 | - | 127 | - | 133 |
| B L1 Living 2 | - | 127 | - | 125 |
| B L1 Living 3 | - | 128 | - | 120 |
| B L1 Living 5 | - | 130 | - | 127 |
| B L1 Living 4 | - | 127 | - | 146 |
| B L1 Living 1 | - | 127 | - | 133 |
| B L1 Living 2 | - | 127 | - | 125 |
| B L1 Living 3 | - | 128 | - | 120 |
| B L1 Living 5 | - | 130 | - | 127 |
| B L1 Living 4 | - | 127 | - | 146 |
| B L1 Living 2 | - | 127 | - | 125 |
| B L1 Living 3 | - | 128 | - | 120 |
| A L2 Living 1 | - | 126 | - | 135 |
| A L2 Living 3 | - | 124 | - | 147 |
| A L3 Living 1 | - | 126 | - | 135 |
| A L3 Living 3 | - | 124 | - | 147 |
| A L4 Living 1 | - | 126 | - | 135 |
| A L4 Living 3 | - | 124 | - | 147 |
| A L5 Living 1 | - | 126 | - | 135 |
| B L1 Living 5 | - | 130 | - | 127 |
| B L1 Living 4 | - | 127 | - | 146 |
| A L4 Living 2 | - | 126 | - | 168 |
| A L4 Extra Apt | - | 165 | - | 32 |
| A L3 Living 2 | - | 126 | - | 168 |
| A L3 Extra Apt | - | 165 | - | 32 |
| A L2 Living 2 | - | 126 | - | 168 |
| A L2 Extra Apt | - | 165 | - | 32 |
| A L1 Living 2 | - | 126 | - | 168 |
| A L1 Extra Apt | - | 165 | - | 32 |

## Solar Gain in Summer

| Zone | Solar gain limit exceeded? (%) | Internal blinds used? |
|---|---|---|
| A GF Circulation | N/A | N/A |
| A GF Plant | N/A | N/A |
| Ensuite A | N/A | N/A |
| A L1 Circulation | N/A | N/A |

| Zone | Solar gain limit exceeded? (%) | Internal blinds used? |
|---|---|---|
| A L1 Apt 9 | NO (-50.3%) | NO |
| Ensuite A | N/A | N/A |
| Ensuite A | N/A | N/A |
| A L1 Apt 8 | NO (-50.9%) | NO |
| A L1 Apt 7 | NO (-50.6%) | NO |
| Ensuite A | N/A | N/A |
| Ensuite A | N/A | N/A |
| A L1 Apt 6 | NO (-73.4%) | NO |
| Ensuite A | N/A | N/A |
| A L1 Apt 10 | NO (-36.6%) | NO |
| A L1 Apt 11 | NO (-35.8%) | NO |
| Ensuite A | N/A | N/A |
| Ensuite A | N/A | N/A |
| A L1 Apt 12 | NO (-34.8%) | NO |
| A L1 Apt 13 | NO (-39.5%) | NO |
| Ensuite A | N/A | N/A |
| A L1 Apt 14 | NO (-38.4%) | NO |
| Ensuite A | N/A | N/A |
| Ensuite A | N/A | N/A |
| A L1 Apt 15 | NO (-36.6%) | NO |
| A L1 Apt 16 | NO (-39.3%) | NO |
| Ensuite A | N/A | N/A |
| A L1 Apt 19 | NO (-36.7%) | NO |
| Ensuite A | N/A | N/A |
| Ensuite A | N/A | N/A |
| A L1 Apt 20 | NO (-35.5%) | NO |
| Ensuite A | N/A | N/A |
| A L1 Apt 18 | NO (-36.4%) | NO |
| A L1 Apt 17 | NO (-36.2%) | NO |
| Ensuite A | N/A | N/A |
| A L1 Apt 21 | NO (-48.2%) | NO |
| A L1 Apt 22 | NO (-36%) | NO |
| Ensuite A | N/A | N/A |
| Ensuite A | N/A | N/A |
| A L1 Apt 23 | NO (-36.5%) | NO |
| A L1 Apt 2 | NO (-49.6%) | NO |
| Ensuite A | N/A | N/A |
| Ensuite A | N/A | N/A |
| A L1 Apt 1 | NO (-73.9%) | NO |
| Ensuite A | N/A | N/A |
| A L1 Apt 3 | NO (-50.1%) | NO |
| A L1 Apt 4 | NO (-51%) | NO |
| Ensuite A | N/A | N/A |
| Ensuite A | N/A | N/A |
| A L1 Apt 5 | NO (-51%) | NO |
| B L1 Circulation | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 7 | NO (-57%) | NO |
| B L1 Apt 18 | NO (-47.2%) | NO |

| Zone | Solar gain limit exceeded? (%) | Internal blinds used? |
|---|---|---|
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 19 | NO (-61.8%) | NO |
| Ensuite B | N/A | N/A |
| B L1 Apt 17 | NO (-49.2%) | NO |
| B L1 Apt 14 | NO (-50.6%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 13 | NO (-49.9%) | NO |
| B L1 Apt 9 | NO (-47.2%) | NO |
| Ensuite B | N/A | N/A |
| B L1 Apt 8 | NO (-49.9%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 1 | NO (-64%) | NO |
| B L1 Apt 2 | NO (-38.6%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 3 | NO (-32.3%) | NO |
| B L1 Apt 4 | NO (-33.6%) | NO |
| Ensuite B | N/A | N/A |
| B L1 Apt 5 | NO (-35.8%) | NO |
| Ensuite B | N/A | N/A |
| B L1 Apt 6 | NO (-35.1%) | NO |
| Ensuite B | N/A | N/A |
| B L1 Apt 10 | NO (-34%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 11 | NO (-34%) | NO |
| B L1 Apt 12 | NO (-35.4%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 15 | NO (-37%) | NO |
| B L1 Apt 16 | NO (-42.7%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 20 | NO (-34.1%) | NO |
| B L1 Apt 21 | NO (-35.7%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 22 | NO (-44.3%) | NO |
| B L1 Apt 23 | NO (-34.7%) | NO |
| Ensuite B | N/A | N/A |
| B L1 Apt 24 | NO (-32.2%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 25 | NO (-35.9%) | NO |
| B L1 Apt 26 | NO (-30.7%) | NO |
| Ensuite B | N/A | N/A |

| Zone | Solar gain limit exceeded? (%) | Internal blinds used? |
|---|---|---|
| Ensuite B | N/A | N/A |
| B L1 Apt 27 | NO (-33.6%) | NO |
| B L1 Apt 28 | NO (-35.8%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 29 | NO (-34.7%) | NO |
| Ensuite B | N/A | N/A |
| B L1 Apt 30 | NO (-34.6%) | NO |
| B L1 Apt 31 | NO (-34.4%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 32 | NO (-28.2%) | NO |
| B L1 Apt 34 | NO (-35.1%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 35 | NO (-33.4%) | NO |
| B L1 Apt 36 | NO (-33.5%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 37 | NO (-33.3%) | NO |
| B L1 Apt 38 | NO (-35.9%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 39 | NO (-29.6%) | NO |
| B L1 Apt 40 | NO (-32.2%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 41 | NO (-34.2%) | NO |
| B L1 Apt 43 | NO (-38.3%) | NO |
| Ensuite B | N/A | N/A |
| B L1 Apt 42 | NO (-33.3%) | NO |
| Ensuite B | N/A | N/A |
| B GF Plant | N/A | N/A |
| B GF Toilets | N/A | N/A |
| B GF Circulation 1 | N/A | N/A |
| B GF Store | N/A | N/A |
| B GF Circulation 2 | N/A | N/A |
| B GF Rubbish Store | N/A | N/A |
| B L1 Circulation | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 7 | NO (-57%) | NO |
| B L1 Apt 18 | NO (-47.2%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 19 | NO (-61.8%) | NO |
| Ensuite B | N/A | N/A |
| B L1 Apt 17 | NO (-49.2%) | NO |
| B L1 Apt 14 | NO (-50.6%) | NO |
| Ensuite B | N/A | N/A |

| Zone | Solar gain limit exceeded? (%) | Internal blinds used? |
|---|---|---|
| Ensuite B | N/A | N/A |
| B L1 Apt 13 | NO (-49.9%) | NO |
| B L1 Apt 9 | NO (-47.2%) | NO |
| Ensuite B | N/A | N/A |
| B L1 Apt 8 | NO (-49.9%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 1 | NO (-64%) | NO |
| B L1 Apt 2 | NO (-38.6%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 3 | NO (-32.3%) | NO |
| B L1 Apt 4 | NO (-33.6%) | NO |
| Ensuite B | N/A | N/A |
| B L1 Apt 5 | NO (-35.8%) | NO |
| Ensuite B | N/A | N/A |
| B L1 Apt 6 | NO (-35.1%) | NO |
| Ensuite B | N/A | N/A |
| B L1 Apt 10 | NO (-34%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 11 | NO (-34%) | NO |
| B L1 Apt 12 | NO (-35.4%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 15 | NO (-37%) | NO |
| B L1 Apt 16 | NO (-42.7%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 20 | NO (-34.1%) | NO |
| B L1 Apt 21 | NO (-35.7%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 22 | NO (-44.3%) | NO |
| B L1 Apt 23 | NO (-34.7%) | NO |
| Ensuite B | N/A | N/A |
| B L1 Apt 24 | NO (-32.2%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 25 | NO (-35.9%) | NO |
| B L1 Apt 26 | NO (-30.7%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 27 | NO (-33.6%) | NO |
| B L1 Apt 28 | NO (-35.8%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 29 | NO (-34.7%) | NO |
| Ensuite B | N/A | N/A |

| Zone | Solar gain limit exceeded? (%) | Internal blinds used? |
|---|---|---|
| B L1 Apt 30 | NO (-34.6%) | NO |
| B L1 Apt 31 | NO (-34.4%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 32 | NO (-28.2%) | NO |
| B L1 Apt 34 | NO (-35.1%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 35 | NO (-33.4%) | NO |
| B L1 Apt 36 | NO (-33.5%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 37 | NO (-33.3%) | NO |
| B L1 Apt 38 | NO (-35.9%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 39 | NO (-29.6%) | NO |
| B L1 Apt 40 | NO (-32.2%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 41 | NO (-34.2%) | NO |
| B L1 Apt 43 | NO (-38.3%) | NO |
| Ensuite B | N/A | N/A |
| B L1 Apt 42 | NO (-33.3%) | NO |
| Ensuite B | N/A | N/A |
| B L1 Circulation | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 7 | NO (-57%) | NO |
| B L1 Apt 18 | NO (-47.2%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 19 | NO (-61.8%) | NO |
| Ensuite B | N/A | N/A |
| B L1 Apt 17 | NO (-49.2%) | NO |
| B L1 Apt 14 | NO (-50.6%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 13 | NO (-49.9%) | NO |
| B L1 Apt 9 | NO (-47.2%) | NO |
| Ensuite B | N/A | N/A |
| B L1 Apt 8 | NO (-49.9%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 1 | NO (-64%) | NO |
| B L1 Apt 2 | NO (-38.6%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 3 | NO (-32.3%) | NO |
| B L1 Apt 4 | NO (-33.6%) | NO |

| Zone | Solar gain limit exceeded? (%) | Internal blinds used? |
|---|---|---|
| Ensuite B | N/A | N/A |
| B L1 Apt 5 | NO (-35.8%) | NO |
| Ensuite B | N/A | N/A |
| B L1 Apt 6 | NO (-35.1%) | NO |
| Ensuite B | N/A | N/A |
| B L1 Apt 10 | NO (-34%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 11 | NO (-34%) | NO |
| B L1 Apt 12 | NO (-35.4%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 15 | NO (-37%) | NO |
| B L1 Apt 16 | NO (-42.7%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 20 | NO (-34.1%) | NO |
| B L1 Apt 21 | NO (-35.7%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 22 | NO (-44.3%) | NO |
| B L1 Apt 23 | NO (-34.7%) | NO |
| Ensuite B | N/A | N/A |
| B L1 Apt 24 | NO (-32.2%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 25 | NO (-35.9%) | NO |
| B L1 Apt 26 | NO (-30.7%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 27 | NO (-33.6%) | NO |
| B L1 Apt 28 | NO (-35.8%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 29 | NO (-34.7%) | NO |
| Ensuite B | N/A | N/A |
| B L1 Apt 30 | NO (-34.6%) | NO |
| B L1 Apt 31 | NO (-34.4%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 32 | NO (-28.2%) | NO |
| B L1 Apt 34 | NO (-35.1%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 35 | NO (-33.4%) | NO |
| B L1 Apt 36 | NO (-33.5%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 37 | NO (-33.3%) | NO |

| Zone | Solar gain limit exceeded? (%) | Internal blinds used? |
|---|---|---|
| B L1 Apt 38 | NO (-35.9%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 39 | NO (-29.6%) | NO |
| B L1 Apt 40 | NO (-32.2%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 41 | NO (-34.2%) | NO |
| B L1 Apt 43 | NO (-38.3%) | NO |
| Ensuite B | N/A | N/A |
| B L1 Apt 42 | NO (-33.3%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 7 | NO (-57%) | NO |
| B L1 Apt 18 | NO (-47.2%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 19 | NO (-61.8%) | NO |
| Ensuite B | N/A | N/A |
| B L1 Apt 17 | NO (-49.2%) | NO |
| B L1 Apt 14 | NO (-50.6%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 13 | NO (-49.9%) | NO |
| B L1 Apt 9 | NO (-47.2%) | NO |
| Ensuite B | N/A | N/A |
| B L1 Apt 8 | NO (-49.9%) | NO |
| Ensuite B | N/A | N/A |
| B L1 Apt 10 | NO (-34%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 11 | NO (-34%) | NO |
| B L1 Apt 12 | NO (-35.4%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 15 | NO (-37%) | NO |
| B L1 Apt 16 | NO (-42.7%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 20 | NO (-34.1%) | NO |
| B L1 Apt 21 | NO (-35.7%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 22 | NO (-44.3%) | NO |
| B L1 Apt 23 | NO (-34.7%) | NO |
| Ensuite B | N/A | N/A |
| B L1 Apt 24 | NO (-32.2%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |

| Zone | Solar gain limit exceeded? (%) | Internal blinds used? |
|---|---|---|
| B L1 Apt 25 | NO (-35.9%) | NO |
| B L1 Apt 26 | NO (-30.7%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 27 | NO (-33.6%) | NO |
| B L1 Apt 28 | NO (-35.8%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 29 | NO (-34.7%) | NO |
| Ensuite B | N/A | N/A |
| B L1 Apt 30 | NO (-34.6%) | NO |
| B L1 Apt 31 | NO (-34.4%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 32 | NO (-28.2%) | NO |
| B L1 Apt 34 | NO (-35.1%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 35 | NO (-33.4%) | NO |
| B L1 Apt 36 | NO (-33.5%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 37 | NO (-33.3%) | NO |
| B L1 Apt 38 | NO (-35.9%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 39 | NO (-29.6%) | NO |
| B L1 Apt 40 | NO (-32.2%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 41 | NO (-34.2%) | NO |
| B L1 Apt 43 | NO (-38.3%) | NO |
| Ensuite B | N/A | N/A |
| B L1 Apt 42 | NO (-33.3%) | NO |
| Ensuite B | N/A | N/A |
| B L1 Circulation | N/A | N/A |
| B L1 Circulation | N/A | N/A |
| Ensuite A | N/A | N/A |
| A L2 Circulation | N/A | N/A |
| A L2 Apt 9 | NO (-50.3%) | NO |
| Ensuite A | N/A | N/A |
| Ensuite A | N/A | N/A |
| A L2 Apt 8 | NO (-50.9%) | NO |
| A L2 Apt 7 | NO (-50.6%) | NO |
| Ensuite A | N/A | N/A |
| Ensuite A | N/A | N/A |
| A L2 Apt 6 | NO (-73.4%) | NO |
| Ensuite A | N/A | N/A |
| A L2 Apt 10 | NO (-36.6%) | NO |

| Zone | Solar gain limit exceeded? (%) | Internal blinds used? |
|---|---|---|
| A L2 Apt 11 | NO (-35.8%) | NO |
| Ensuite A | N/A | N/A |
| Ensuite A | N/A | N/A |
| A L2 Apt 12 | NO (-34.8%) | NO |
| A L2 Apt 13 | NO (-39.5%) | NO |
| Ensuite A | N/A | N/A |
| A L2 Apt 14 | NO (-38.4%) | NO |
| Ensuite A | N/A | N/A |
| Ensuite A | N/A | N/A |
| A L2 Apt 15 | NO (-36.6%) | NO |
| A L2 Apt 16 | NO (-39.3%) | NO |
| Ensuite A | N/A | N/A |
| A L2 Apt 19 | NO (-36.7%) | NO |
| Ensuite A | N/A | N/A |
| Ensuite A | N/A | N/A |
| A L2 Apt 20 | NO (-35.5%) | NO |
| Ensuite A | N/A | N/A |
| A L2 Apt 18 | NO (-36.4%) | NO |
| A L2 Apt 17 | NO (-36.2%) | NO |
| Ensuite A | N/A | N/A |
| A L2 Apt 21 | NO (-48.2%) | NO |
| A L2 Apt 22 | NO (-36%) | NO |
| Ensuite A | N/A | N/A |
| Ensuite A | N/A | N/A |
| A L2 Apt 23 | NO (-36.5%) | NO |
| A L2 Apt 2 | NO (-49.6%) | NO |
| Ensuite A | N/A | N/A |
| Ensuite A | N/A | N/A |
| A L2 Apt 1 | NO (-73.9%) | NO |
| Ensuite A | N/A | N/A |
| A L2 Apt 3 | NO (-50.1%) | NO |
| A L2 Apt 4 | NO (-51%) | NO |
| Ensuite A | N/A | N/A |
| Ensuite A | N/A | N/A |
| A L2 Apt 5 | NO (-51%) | NO |
| Ensuite A | N/A | N/A |
| A L3 Circulation | N/A | N/A |
| A L3 Apt 9 | NO (-50.3%) | NO |
| Ensuite A | N/A | N/A |
| Ensuite A | N/A | N/A |
| A L3 Apt 8 | NO (-50.9%) | NO |
| A L3 Apt 7 | NO (-50.6%) | NO |
| Ensuite A | N/A | N/A |
| Ensuite A | N/A | N/A |
| A L3 Apt 6 | NO (-73.4%) | NO |
| Ensuite A | N/A | N/A |
| A L3 Apt 10 | NO (-36.6%) | NO |
| A L3 Apt 11 | NO (-35.8%) | NO |
| Ensuite A | N/A | N/A |

| Zone | Solar gain limit exceeded? (%) | Internal blinds used? |
|---|---|---|
| Ensuite A | N/A | N/A |
| A L3 Apt 12 | NO (-34.8%) | NO |
| A L3 Apt 13 | NO (-39.5%) | NO |
| Ensuite A | N/A | N/A |
| A L3 Apt 14 | NO (-38.4%) | NO |
| Ensuite A | N/A | N/A |
| Ensuite A | N/A | N/A |
| A L3 Apt 15 | NO (-36.6%) | NO |
| A L3 Apt 16 | NO (-39.3%) | NO |
| Ensuite A | N/A | N/A |
| A L3 Apt 19 | NO (-36.7%) | NO |
| Ensuite A | N/A | N/A |
| Ensuite A | N/A | N/A |
| A L3 Apt 20 | NO (-35.5%) | NO |
| Ensuite A | N/A | N/A |
| A L3 Apt 18 | NO (-36.4%) | NO |
| A L3 Apt 17 | NO (-36.2%) | NO |
| Ensuite A | N/A | N/A |
| A L3 Apt 21 | NO (-48.2%) | NO |
| A L3 Apt 22 | NO (-36%) | NO |
| Ensuite A | N/A | N/A |
| Ensuite A | N/A | N/A |
| A L3 Apt 23 | NO (-36.5%) | NO |
| A L3 Apt 2 | NO (-49.6%) | NO |
| Ensuite A | N/A | N/A |
| Ensuite A | N/A | N/A |
| A L3 Apt 1 | NO (-73.9%) | NO |
| Ensuite A | N/A | N/A |
| A L3 Apt 3 | NO (-50.1%) | NO |
| A L3 Apt 4 | NO (-51%) | NO |
| Ensuite A | N/A | N/A |
| Ensuite A | N/A | N/A |
| A L3 Apt 5 | NO (-51%) | NO |
| Ensuite A | N/A | N/A |
| A L4 Circulation | N/A | N/A |
| A L4 Apt 9 | NO (-50.3%) | NO |
| Ensuite A | N/A | N/A |
| Ensuite A | N/A | N/A |
| A L4 Apt 8 | NO (-50.9%) | NO |
| A L4 Apt 7 | NO (-50.6%) | NO |
| Ensuite A | N/A | N/A |
| Ensuite A | N/A | N/A |
| A L4 Apt 6 | NO (-73.4%) | NO |
| Ensuite A | N/A | N/A |
| A L4 Apt 10 | NO (-36.6%) | NO |
| A L4 Apt 11 | NO (-35.8%) | NO |
| Ensuite A | N/A | N/A |
| Ensuite A | N/A | N/A |
| A L4 Apt 12 | NO (-34.8%) | NO |

| Zone | Solar gain limit exceeded? (%) | Internal blinds used? |
|---|---|---|
| A L4 Apt 13 | NO (-39.5%) | NO |
| Ensuite A | N/A | N/A |
| A L4 Apt 14 | NO (-38.4%) | NO |
| Ensuite A | N/A | N/A |
| Ensuite A | N/A | N/A |
| A L4 Apt 15 | NO (-36.6%) | NO |
| A L4 Apt 16 | NO (-39.3%) | NO |
| Ensuite A | N/A | N/A |
| A L4 Apt 19 | NO (-36.7%) | NO |
| Ensuite A | N/A | N/A |
| Ensuite A | N/A | N/A |
| A L4 Apt 20 | NO (-35.5%) | NO |
| Ensuite A | N/A | N/A |
| A L4 Apt 18 | NO (-36.4%) | NO |
| A L4 Apt 17 | NO (-36.2%) | NO |
| Ensuite A | N/A | N/A |
| A L4 Apt 21 | NO (-48.2%) | NO |
| A L4 Apt 22 | NO (-36%) | NO |
| Ensuite A | N/A | N/A |
| Ensuite A | N/A | N/A |
| A L4 Apt 23 | NO (-36.5%) | NO |
| A L4 Apt 2 | NO (-49.6%) | NO |
| Ensuite A | N/A | N/A |
| Ensuite A | N/A | N/A |
| A L4 Apt 1 | NO (-73.9%) | NO |
| Ensuite A | N/A | N/A |
| A L4 Apt 3 | NO (-50.1%) | NO |
| A L4 Apt 4 | NO (-51%) | NO |
| Ensuite A | N/A | N/A |
| Ensuite A | N/A | N/A |
| A L4 Apt 5 | NO (-51%) | NO |
| A L5 Apt 4 | NO (-50.3%) | NO |
| Ensuite A | N/A | N/A |
| Ensuite A | N/A | N/A |
| A L5 Apt 3 | NO (-50.9%) | NO |
| A L5 Apt 2 | NO (-50.6%) | NO |
| Ensuite A | N/A | N/A |
| Ensuite A | N/A | N/A |
| A L5 Apt 1 | NO (-73.4%) | NO |
| Ensuite A | N/A | N/A |
| A L5 Apt 5 | NO (-36.6%) | NO |
| A L5 Apt 6 | NO (-35.8%) | NO |
| Ensuite A | N/A | N/A |
| Ensuite A | N/A | N/A |
| A L5 Apt 7 | NO (-34.8%) | NO |
| Ensuite B | N/A | N/A |
| B L1 Apt 29 | NO (-58.2%) | NO |
| Ensuite B | N/A | N/A |
| B L1 Apt 30 | NO (-34.6%) | NO |

| Zone | Solar gain limit exceeded? (%) | Internal blinds used? |
|---|---|---|
| B L1 Apt 31 | NO (-34.4%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 34 | NO (-35.1%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 35 | NO (-33.4%) | NO |
| B L1 Apt 36 | NO (-33.5%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 37 | NO (-33.3%) | NO |
| B L1 Apt 38 | NO (-35.9%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 39 | NO (-29.6%) | NO |
| B L1 Apt 40 | NO (-32.2%) | NO |
| Ensuite B | N/A | N/A |
| Ensuite B | N/A | N/A |
| B L1 Apt 41 | NO (-34.2%) | NO |
| B L1 Apt 43 | NO (-38.3%) | NO |
| Ensuite B | N/A | N/A |
| B L1 Apt 42 | NO (-33.3%) | NO |
| Ensuite B | N/A | N/A |
| B L1 Apt 32 | NO (-28.2%) | NO |
| B L1 Circulation | N/A | N/A |
| B L5 Circulation | N/A | N/A |
| A L5 Apt 8 | NO (-39.5%) | NO |
| Ensuite A | N/A | N/A |
| A L5 Circulation | N/A | N/A |
| A L5 Circulation | N/A | N/A |
| A L5 Apt 8 | NO (-68.2%) | NO |
| Ensuite A | N/A | N/A |
| A L5 Circulation | N/A | N/A |
| A L5 Circulation | N/A | N/A |
| A L1 Added Circ | N/A | N/A |
| A L1 Added Apt 1 | NO (-38.7%) | NO |
| A L1 Added Apt 2 | NO (-38.4%) | NO |
| A L1 Added Living | NO (-79.1%) | NO |
| A L1 Added Ensuite | N/A | N/A |
| A L1 Added Apt 3 | NO (-47.5%) | NO |
| A L1 Added Circ | N/A | N/A |
| A L1 Added Apt 1 | NO (-38.7%) | NO |
| A L1 Added Apt 2 | NO (-38.4%) | NO |
| A L1 Added Living | NO (-79.1%) | NO |
| A L1 Added Ensuite | N/A | N/A |
| A L1 Added Apt 3 | NO (-47.5%) | NO |
| A L1 Added Circ | N/A | N/A |
| A L1 Added Apt 1 | NO (-38.7%) | NO |
| A L1 Added Apt 2 | NO (-38.4%) | NO |

| Zone | Solar gain limit exceeded? (%) | Internal blinds used? |
|---|---|---|
| A L1 Added Living | NO (-79.1%) | NO |
| A L1 Added Ensuite | N/A | N/A |
| A L1 Added Apt 3 | NO (-47.5%) | NO |
| A L1 Added Circ | N/A | N/A |
| A L1 Added Apt 1 | NO (-38.7%) | NO |
| A L1 Added Apt 2 | NO (-38.4%) | NO |
| A L1 Added Living | NO (-79.1%) | NO |
| A L1 Added Ensuite | N/A | N/A |
| A L1 Added Apt 3 | NO (-47.5%) | NO |
| A L1 Added Circ | N/A | N/A |
| A L1 Added Apt 1 | NO (-38.7%) | NO |
| A L1 Added Apt 2 | NO (-38.4%) | NO |
| A L1 Added Living | NO (-79.1%) | NO |
| A L1 Added Ensuite | N/A | N/A |
| A L1 Added Apt 3 | NO (-47.5%) | NO |
| A L1 Living 1 | NO (-20.6%) | NO |
| A L1 Living 3 | NO (-32.6%) | NO |
| B L1 Living 5 | NO (-58.7%) | NO |
| B L1 Living 4 | NO (-27.8%) | NO |
| B L1 Living 1 | NO (-22.7%) | NO |
| B L1 Living 2 | NO (-42.4%) | NO |
| B L1 Living 3 | NO (-13.8%) | NO |
| B GF Laundry | N/A | N/A |
| B GF Lounge | NO (-15.2%) | NO |
| B GF Cinema | NO (-11.1%) | NO |
| B GF Canteen | NO (-38.7%) | NO |
| B GF Gym | YES (+3.5%) | NO |
| B GF Reception Lobby | NO (-6%) | NO |
| B GF Manager Office | NO (-37.1%) | NO |
| B GF Post Room | NO (-38.2%) | NO |
| B GF Meeting Room | YES (+3.4%) | NO |
| B L1 Living 5 | NO (-58.7%) | NO |
| B L1 Living 4 | NO (-27.8%) | NO |
| B L1 Living 1 | NO (-22.7%) | NO |
| B L1 Living 2 | NO (-42.4%) | NO |
| B L1 Living 3 | NO (-13.8%) | NO |
| B L1 Living 5 | NO (-58.7%) | NO |
| B L1 Living 4 | NO (-27.8%) | NO |
| B L1 Living 1 | NO (-22.7%) | NO |
| B L1 Living 2 | NO (-42.4%) | NO |
| B L1 Living 3 | NO (-13.8%) | NO |
| B L1 Living 5 | NO (-58.7%) | NO |
| B L1 Living 4 | NO (-27.8%) | NO |
| B L1 Living 2 | NO (-67.5%) | NO |
| B L1 Living 3 | NO (-13.8%) | NO |
| A L2 Living 1 | NO (-20.6%) | NO |
| A L2 Living 3 | NO (-32.6%) | NO |
| A L3 Living 1 | NO (-20.6%) | NO |
| A L3 Living 3 | NO (-32.6%) | NO |

| Zone | Solar gain limit exceeded? (%) | Internal blinds used? |
|---|---|---|
| A L4 Living 1 | NO (-20.6%) | NO |
| A L4 Living 3 | NO (-32.6%) | NO |
| A L5 Living 1 | NO (-20.6%) | NO |
| B L1 Living 5 | NO (-58.7%) | NO |
| B L1 Living 4 | NO (-27.8%) | NO |
| A L4 Living 2 | NO (-48.6%) | NO |
| A L4 Extra Apt | NO (-33%) | NO |
| A L3 Living 2 | NO (-48.6%) | NO |
| A L3 Extra Apt | NO (-33%) | NO |
| A L2 Living 2 | NO (-48.6%) | NO |
| A L2 Extra Apt | NO (-33%) | NO |
| A L1 Living 2 | NO (-48.6%) | NO |
| A L1 Extra Apt | NO (-33%) | NO |

## Overheating

| Zone | Risk of overheating |
|---|---|
| A GF Circulation | Significant risk |
| A GF Plant | Low risk |
| Ensuite A | Moderate risk |
| A L1 Circulation | Significant risk |
| A L1 Apt 9 | High risk |
| Ensuite A | High risk |
| Ensuite A | High risk |
| A L1 Apt 8 | High risk |
| A L1 Apt 7 | High risk |
| Ensuite A | High risk |
| Ensuite A | High risk |
| A L1 Apt 6 | High risk |
| Ensuite A | High risk |
| A L1 Apt 10 | High risk |
| A L1 Apt 11 | High risk |
| Ensuite A | High risk |
| Ensuite A | High risk |
| A L1 Apt 12 | High risk |
| A L1 Apt 13 | High risk |
| Ensuite A | High risk |
| A L1 Apt 14 | High risk |
| Ensuite A | High risk |
| Ensuite A | High risk |
| A L1 Apt 15 | High risk |
| A L1 Apt 16 | High risk |
| Ensuite A | High risk |
| A L1 Apt 19 | High risk |
| Ensuite A | High risk |
| Ensuite A | High risk |
| A L1 Apt 20 | High risk |
| Ensuite A | High risk |

| Zone | Risk of overheating |
|---|---|
| A L1 Apt 18 | High risk |
| A L1 Apt 17 | High risk |
| Ensuite A | High risk |
| A L1 Apt 21 | High risk |
| A L1 Apt 22 | High risk |
| Ensuite A | High risk |
| Ensuite A | High risk |
| A L1 Apt 23 | High risk |
| A L1 Apt 2 | High risk |
| Ensuite A | High risk |
| Ensuite A | Moderate risk |
| A L1 Apt 1 | High risk |
| Ensuite A | High risk |
| A L1 Apt 3 | High risk |
| A L1 Apt 4 | High risk |
| Ensuite A | High risk |
| Ensuite A | High risk |
| A L1 Apt 5 | High risk |
| B L1 Circulation | Significant risk |
| Ensuite B | High risk |
| B L1 Apt 7 | High risk |
| B L1 Apt 18 | High risk |
| Ensuite B | High risk |
| Ensuite B | High risk |
| B L1 Apt 19 | High risk |
| Ensuite B | High risk |
| B L1 Apt 17 | High risk |
| B L1 Apt 14 | High risk |
| Ensuite B | High risk |
| Ensuite B | High risk |
| B L1 Apt 13 | High risk |
| B L1 Apt 9 | High risk |
| Ensuite B | High risk |
| B L1 Apt 8 | High risk |
| Ensuite B | High risk |
| Ensuite B | Moderate risk |
| B L1 Apt 1 | High risk |
| B L1 Apt 2 | High risk |
| Ensuite B | High risk |
| Ensuite B | High risk |
| B L1 Apt 3 | High risk |
| B L1 Apt 4 | High risk |
| Ensuite B | High risk |
| B L1 Apt 5 | High risk |
| Ensuite B | High risk |
| B L1 Apt 6 | High risk |
| Ensuite B | High risk |
| B L1 Apt 10 | High risk |
| Ensuite B | High risk |

| Zone | Risk of overheating |
|---|---|
| Ensuite B | High risk |
| B L1 Apt 11 | High risk |
| B L1 Apt 12 | High risk |
| Ensuite B | High risk |
| Ensuite B | High risk |
| B L1 Apt 15 | High risk |
| B L1 Apt 16 | High risk |
| Ensuite B | High risk |
| Ensuite B | High risk |
| B L1 Apt 20 | High risk |
| B L1 Apt 21 | High risk |
| Ensuite B | High risk |
| Ensuite B | High risk |
| B L1 Apt 22 | High risk |
| B L1 Apt 23 | High risk |
| Ensuite B | High risk |
| B L1 Apt 24 | High risk |
| Ensuite B | High risk |
| Ensuite B | High risk |
| B L1 Apt 25 | High risk |
| B L1 Apt 26 | High risk |
| Ensuite B | High risk |
| Ensuite B | High risk |
| B L1 Apt 27 | High risk |
| B L1 Apt 28 | High risk |
| Ensuite B | High risk |
| Ensuite B | High risk |
| B L1 Apt 29 | High risk |
| Ensuite B | High risk |
| B L1 Apt 30 | High risk |
| B L1 Apt 31 | High risk |
| Ensuite B | High risk |
| Ensuite B | High risk |
| B L1 Apt 32 | High risk |
| B L1 Apt 34 | High risk |
| Ensuite B | High risk |
| Ensuite B | High risk |
| B L1 Apt 35 | High risk |
| B L1 Apt 36 | High risk |
| Ensuite B | High risk |
| Ensuite B | High risk |
| B L1 Apt 37 | High risk |
| B L1 Apt 38 | High risk |
| Ensuite B | High risk |
| Ensuite B | High risk |
| B L1 Apt 39 | High risk |
| B L1 Apt 40 | High risk |
| Ensuite B | High risk |
| Ensuite B | High risk |

| Zone | Risk of overheating |
|---|---|
| B L1 Apt 41 | High risk |
| B L1 Apt 43 | High risk |
| Ensuite B | High risk |
| B L1 Apt 42 | High risk |
| Ensuite B | High risk |
| B GF Plant | Low risk |
| B GF Toilets | High risk |
| B GF Circulation 1 | Significant risk |
| B GF Store | High risk |
| B GF Circulation 2 | Significant risk |
| B GF Rubbish Store | Significant risk |
| B L1 Circulation | Significant risk |
| Ensuite B | High risk |
| B L1 Apt 7 | High risk |
| B L1 Apt 18 | High risk |
| Ensuite B | High risk |
| Ensuite B | High risk |
| B L1 Apt 19 | High risk |
| Ensuite B | High risk |
| B L1 Apt 17 | High risk |
| B L1 Apt 14 | High risk |
| Ensuite B | High risk |
| Ensuite B | High risk |
| B L1 Apt 13 | High risk |
| B L1 Apt 9 | High risk |
| Ensuite B | High risk |
| B L1 Apt 8 | High risk |
| Ensuite B | High risk |
| Ensuite B | Moderate risk |
| B L1 Apt 1 | High risk |
| B L1 Apt 2 | High risk |
| Ensuite B | High risk |
| Ensuite B | High risk |
| B L1 Apt 3 | High risk |
| B L1 Apt 4 | High risk |
| Ensuite B | High risk |
| B L1 Apt 5 | High risk |
| Ensuite B | High risk |
| B L1 Apt 6 | High risk |
| Ensuite B | High risk |
| B L1 Apt 10 | High risk |
| Ensuite B | High risk |
| Ensuite B | High risk |
| B L1 Apt 11 | High risk |
| B L1 Apt 12 | High risk |
| Ensuite B | High risk |
| Ensuite B | High risk |
| B L1 Apt 15 | High risk |
| B L1 Apt 16 | High risk |

| Zone | Risk of overheating |
|---|---|
| Ensuite B | High risk |
| Ensuite B | High risk |
| B L1 Apt 20 | High risk |
| B L1 Apt 21 | High risk |
| Ensuite B | High risk |
| Ensuite B | High risk |
| B L1 Apt 22 | High risk |
| B L1 Apt 23 | High risk |
| Ensuite B | High risk |
| B L1 Apt 24 | High risk |
| Ensuite B | High risk |
| Ensuite B | High risk |
| B L1 Apt 25 | High risk |
| B L1 Apt 26 | High risk |
| Ensuite B | High risk |
| Ensuite B | High risk |
| B L1 Apt 27 | High risk |
| B L1 Apt 28 | High risk |
| Ensuite B | High risk |
| Ensuite B | High risk |
| B L1 Apt 29 | High risk |
| Ensuite B | High risk |
| B L1 Apt 30 | High risk |
| B L1 Apt 31 | High risk |
| Ensuite B | High risk |
| Ensuite B | High risk |
| B L1 Apt 32 | High risk |
| B L1 Apt 34 | High risk |
| Ensuite B | High risk |
| Ensuite B | High risk |
| B L1 Apt 35 | High risk |
| B L1 Apt 36 | High risk |
| Ensuite B | High risk |
| Ensuite B | High risk |
| B L1 Apt 37 | High risk |
| B L1 Apt 38 | High risk |
| Ensuite B | High risk |
| Ensuite B | High risk |
| B L1 Apt 39 | High risk |
| B L1 Apt 40 | High risk |
| Ensuite B | High risk |
| Ensuite B | High risk |
| B L1 Apt 41 | High risk |
| B L1 Apt 43 | High risk |
| Ensuite B | High risk |
| B L1 Apt 42 | High risk |
| Ensuite B | High risk |
| B L1 Circulation | Significant risk |
| Ensuite B | High risk |

| Zone | Risk of overheating |
|---|---|
| B L1 Apt 7 | High risk |
| B L1 Apt 18 | High risk |
| Ensuite B | High risk |
| Ensuite B | High risk |
| B L1 Apt 19 | High risk |
| Ensuite B | High risk |
| B L1 Apt 17 | High risk |
| B L1 Apt 14 | High risk |
| Ensuite B | High risk |
| Ensuite B | High risk |
| B L1 Apt 13 | High risk |
| B L1 Apt 9 | High risk |
| Ensuite B | High risk |
| B L1 Apt 8 | High risk |
| Ensuite B | High risk |
| Ensuite B | Moderate risk |
| B L1 Apt 1 | High risk |
| B L1 Apt 2 | High risk |
| Ensuite B | Significant risk |
| Ensuite B | Significant risk |
| B L1 Apt 3 | High risk |
| B L1 Apt 4 | High risk |
| Ensuite B | Significant risk |
| B L1 Apt 5 | High risk |
| Ensuite B | Significant risk |
| B L1 Apt 6 | High risk |
| Ensuite B | Significant risk |
| B L1 Apt 10 | High risk |
| Ensuite B | High risk |
| Ensuite B | High risk |
| B L1 Apt 11 | High risk |
| B L1 Apt 12 | High risk |
| Ensuite B | High risk |
| Ensuite B | High risk |
| B L1 Apt 15 | High risk |
| B L1 Apt 16 | High risk |
| Ensuite B | High risk |
| Ensuite B | High risk |
| B L1 Apt 20 | High risk |
| B L1 Apt 21 | High risk |
| Ensuite B | High risk |
| Ensuite B | High risk |
| B L1 Apt 22 | High risk |
| B L1 Apt 23 | High risk |
| Ensuite B | High risk |
| B L1 Apt 24 | High risk |
| Ensuite B | High risk |
| Ensuite B | High risk |
| B L1 Apt 25 | High risk |

| Zone | Risk of overheating |
|---|---|
| B L1 Apt 26 | High risk |
| Ensuite B | High risk |
| Ensuite B | High risk |
| B L1 Apt 27 | High risk |
| B L1 Apt 28 | High risk |
| Ensuite B | High risk |
| Ensuite B | High risk |
| B L1 Apt 29 | High risk |
| Ensuite B | High risk |
| B L1 Apt 30 | High risk |
| B L1 Apt 31 | High risk |
| Ensuite B | High risk |
| Ensuite B | High risk |
| B L1 Apt 32 | High risk |
| B L1 Apt 34 | High risk |
| Ensuite B | High risk |
| Ensuite B | High risk |
| B L1 Apt 35 | High risk |
| B L1 Apt 36 | High risk |
| Ensuite B | High risk |
| Ensuite B | High risk |
| B L1 Apt 37 | High risk |
| B L1 Apt 38 | High risk |
| Ensuite B | High risk |
| Ensuite B | High risk |
| B L1 Apt 39 | High risk |
| B L1 Apt 40 | High risk |
| Ensuite B | High risk |
| Ensuite B | High risk |
| B L1 Apt 41 | High risk |
| B L1 Apt 43 | High risk |
| Ensuite B | High risk |
| B L1 Apt 42 | High risk |
| Ensuite B | High risk |
| Ensuite B | Significant risk |
| B L1 Apt 7 | High risk |
| B L1 Apt 18 | High risk |
| Ensuite B | Significant risk |
| Ensuite B | Significant risk |
| B L1 Apt 19 | High risk |
| Ensuite B | Significant risk |
| B L1 Apt 17 | High risk |
| B L1 Apt 14 | High risk |
| Ensuite B | Significant risk |
| Ensuite B | Significant risk |
| B L1 Apt 13 | High risk |
| B L1 Apt 9 | High risk |
| Ensuite B | Significant risk |
| B L1 Apt 8 | High risk |

| Zone | Risk of overheating |
|---|---|
| Ensuite B | Significant risk |
| B L1 Apt 10 | High risk |
| Ensuite B | Significant risk |
| Ensuite B | Significant risk |
| B L1 Apt 11 | High risk |
| B L1 Apt 12 | High risk |
| Ensuite B | Significant risk |
| Ensuite B | Significant risk |
| B L1 Apt 15 | High risk |
| B L1 Apt 16 | High risk |
| Ensuite B | Significant risk |
| Ensuite B | Significant risk |
| B L1 Apt 20 | High risk |
| B L1 Apt 21 | High risk |
| Ensuite B | Significant risk |
| Ensuite B | Significant risk |
| B L1 Apt 22 | High risk |
| B L1 Apt 23 | High risk |
| Ensuite B | Significant risk |
| B L1 Apt 24 | High risk |
| Ensuite B | Significant risk |
| Ensuite B | Significant risk |
| B L1 Apt 25 | High risk |
| B L1 Apt 26 | High risk |
| Ensuite B | High risk |
| Ensuite B | High risk |
| B L1 Apt 27 | High risk |
| B L1 Apt 28 | High risk |
| Ensuite B | High risk |
| Ensuite B | High risk |
| B L1 Apt 29 | High risk |
| Ensuite B | High risk |
| B L1 Apt 30 | High risk |
| B L1 Apt 31 | High risk |
| Ensuite B | High risk |
| Ensuite B | High risk |
| B L1 Apt 32 | High risk |
| B L1 Apt 34 | High risk |
| Ensuite B | High risk |
| Ensuite B | High risk |
| B L1 Apt 35 | High risk |
| B L1 Apt 36 | High risk |
| Ensuite B | High risk |
| Ensuite B | High risk |
| B L1 Apt 37 | High risk |
| B L1 Apt 38 | High risk |
| Ensuite B | High risk |
| Ensuite B | High risk |
| B L1 Apt 39 | High risk |

| Zone | Risk of overheating |
|---|---|
| B L1 Apt 40 | High risk |
| Ensuite B | High risk |
| Ensuite B | High risk |
| B L1 Apt 41 | High risk |
| B L1 Apt 43 | High risk |
| Ensuite B | High risk |
| B L1 Apt 42 | High risk |
| Ensuite B | High risk |
| B L1 Circulation | Significant risk |
| B L1 Circulation | Significant risk |
| Ensuite A | Moderate risk |
| A L2 Circulation | Significant risk |
| A L2 Apt 9 | High risk |
| Ensuite A | High risk |
| Ensuite A | High risk |
| A L2 Apt 8 | High risk |
| A L2 Apt 7 | High risk |
| Ensuite A | High risk |
| Ensuite A | High risk |
| A L2 Apt 6 | High risk |
| Ensuite A | High risk |
| A L2 Apt 10 | High risk |
| A L2 Apt 11 | High risk |
| Ensuite A | High risk |
| Ensuite A | High risk |
| A L2 Apt 12 | High risk |
| A L2 Apt 13 | High risk |
| Ensuite A | High risk |
| A L2 Apt 14 | High risk |
| Ensuite A | High risk |
| Ensuite A | High risk |
| A L2 Apt 15 | High risk |
| A L2 Apt 16 | High risk |
| Ensuite A | High risk |
| A L2 Apt 19 | High risk |
| Ensuite A | High risk |
| Ensuite A | High risk |
| A L2 Apt 20 | High risk |
| Ensuite A | High risk |
| A L2 Apt 18 | High risk |
| A L2 Apt 17 | High risk |
| Ensuite A | High risk |
| A L2 Apt 21 | High risk |
| A L2 Apt 22 | High risk |
| Ensuite A | High risk |
| Ensuite A | High risk |
| A L2 Apt 23 | High risk |
| A L2 Apt 2 | High risk |
| Ensuite A | High risk |

| Zone | Risk of overheating |
|---|---|
| Ensuite A | Moderate risk |
| A L2 Apt 1 | High risk |
| Ensuite A | High risk |
| A L2 Apt 3 | High risk |
| A L2 Apt 4 | High risk |
| Ensuite A | High risk |
| Ensuite A | High risk |
| A L2 Apt 5 | High risk |
| Ensuite A | Moderate risk |
| A L3 Circulation | Significant risk |
| A L3 Apt 9 | High risk |
| Ensuite A | High risk |
| Ensuite A | High risk |
| A L3 Apt 8 | High risk |
| A L3 Apt 7 | High risk |
| Ensuite A | High risk |
| Ensuite A | High risk |
| A L3 Apt 6 | High risk |
| Ensuite A | High risk |
| A L3 Apt 10 | High risk |
| A L3 Apt 11 | High risk |
| Ensuite A | High risk |
| Ensuite A | High risk |
| A L3 Apt 12 | High risk |
| A L3 Apt 13 | High risk |
| Ensuite A | High risk |
| A L3 Apt 14 | High risk |
| Ensuite A | High risk |
| Ensuite A | High risk |
| A L3 Apt 15 | High risk |
| A L3 Apt 16 | High risk |
| Ensuite A | High risk |
| A L3 Apt 19 | High risk |
| Ensuite A | High risk |
| Ensuite A | High risk |
| A L3 Apt 20 | High risk |
| Ensuite A | High risk |
| A L3 Apt 18 | High risk |
| A L3 Apt 17 | High risk |
| Ensuite A | High risk |
| A L3 Apt 21 | High risk |
| A L3 Apt 22 | High risk |
| Ensuite A | High risk |
| Ensuite A | High risk |
| A L3 Apt 23 | High risk |
| A L3 Apt 2 | High risk |
| Ensuite A | High risk |
| Ensuite A | Moderate risk |
| A L3 Apt 1 | High risk |

| Zone | Risk of overheating |
|---|---|
| Ensuite A | High risk |
| A L3 Apt 3 | High risk |
| A L3 Apt 4 | High risk |
| Ensuite A | High risk |
| Ensuite A | High risk |
| A L3 Apt 5 | High risk |
| Ensuite A | Moderate risk |
| A L4 Circulation | Significant risk |
| A L4 Apt 9 | High risk |
| Ensuite A | High risk |
| Ensuite A | High risk |
| A L4 Apt 8 | High risk |
| A L4 Apt 7 | High risk |
| Ensuite A | High risk |
| Ensuite A | High risk |
| A L4 Apt 6 | High risk |
| Ensuite A | High risk |
| A L4 Apt 10 | High risk |
| A L4 Apt 11 | High risk |
| Ensuite A | High risk |
| Ensuite A | High risk |
| A L4 Apt 12 | High risk |
| A L4 Apt 13 | High risk |
| Ensuite A | High risk |
| A L4 Apt 14 | High risk |
| Ensuite A | High risk |
| Ensuite A | Significant risk |
| A L4 Apt 15 | High risk |
| A L4 Apt 16 | High risk |
| Ensuite A | Significant risk |
| A L4 Apt 19 | High risk |
| Ensuite A | Significant risk |
| Ensuite A | High risk |
| A L4 Apt 20 | High risk |
| Ensuite A | Significant risk |
| A L4 Apt 18 | High risk |
| A L4 Apt 17 | High risk |
| Ensuite A | Significant risk |
| A L4 Apt 21 | High risk |
| A L4 Apt 22 | High risk |
| Ensuite A | Significant risk |
| Ensuite A | Significant risk |
| A L4 Apt 23 | High risk |
| A L4 Apt 2 | High risk |
| Ensuite A | Significant risk |
| Ensuite A | Significant risk |
| A L4 Apt 1 | High risk |
| Ensuite A | Significant risk |
| A L4 Apt 3 | High risk |

| Zone | Risk of overheating |
|---|---|
| A L4 Apt 4 | High risk |
| Ensuite A | Significant risk |
| Ensuite A | Significant risk |
| A L4 Apt 5 | High risk |
| A L5 Apt 4 | High risk |
| Ensuite A | Significant risk |
| Ensuite A | Significant risk |
| A L5 Apt 3 | High risk |
| A L5 Apt 2 | High risk |
| Ensuite A | Significant risk |
| Ensuite A | Significant risk |
| A L5 Apt 1 | High risk |
| Ensuite A | Significant risk |
| A L5 Apt 5 | High risk |
| A L5 Apt 6 | High risk |
| Ensuite A | Significant risk |
| Ensuite A | Significant risk |
| A L5 Apt 7 | High risk |
| Ensuite B | Significant risk |
| B L1 Apt 29 | High risk |
| Ensuite B | Significant risk |
| B L1 Apt 30 | High risk |
| B L1 Apt 31 | High risk |
| Ensuite B | Significant risk |
| Ensuite B | Significant risk |
| B L1 Apt 34 | High risk |
| Ensuite B | Significant risk |
| Ensuite B | Significant risk |
| B L1 Apt 35 | High risk |
| B L1 Apt 36 | High risk |
| Ensuite B | Significant risk |
| Ensuite B | Significant risk |
| B L1 Apt 37 | High risk |
| B L1 Apt 38 | High risk |
| Ensuite B | Significant risk |
| Ensuite B | Significant risk |
| B L1 Apt 39 | High risk |
| B L1 Apt 40 | High risk |
| Ensuite B | Significant risk |
| Ensuite B | Significant risk |
| B L1 Apt 41 | High risk |
| B L1 Apt 43 | High risk |
| Ensuite B | Significant risk |
| B L1 Apt 42 | High risk |
| Ensuite B | Significant risk |
| B L1 Apt 32 | High risk |
| B L1 Circulation | Significant risk |
| B L5 Circulation | Significant risk |
| A L5 Apt 8 | High risk |

| Zone | Risk of overheating |
|---|---|
| Ensuite A | Significant risk |
| A L5 Circulation | Significant risk |
| A L5 Circulation | High risk |
| A L5 Apt 8 | High risk |
| Ensuite A | Significant risk |
| A L5 Circulation | High risk |
| A L5 Circulation | Significant risk |
| A L1 Added Circ | Significant risk |
| A L1 Added Apt 1 | High risk |
| A L1 Added Apt 2 | High risk |
| A L1 Added Living | High risk |
| A L1 Added Ensuite | Low risk |
| A L1 Added Apt 3 | High risk |
| A L1 Added Circ | Significant risk |
| A L1 Added Apt 1 | High risk |
| A L1 Added Apt 2 | High risk |
| A L1 Added Living | High risk |
| A L1 Added Ensuite | Low risk |
| A L1 Added Apt 3 | High risk |
| A L1 Added Circ | Significant risk |
| A L1 Added Apt 1 | High risk |
| A L1 Added Apt 2 | High risk |
| A L1 Added Living | High risk |
| A L1 Added Ensuite | Low risk |
| A L1 Added Apt 3 | High risk |
| A L1 Added Circ | Significant risk |
| A L1 Added Apt 1 | High risk |
| A L1 Added Apt 2 | High risk |
| A L1 Added Living | High risk |
| A L1 Added Ensuite | Low risk |
| A L1 Added Apt 3 | High risk |
| A L1 Added Circ | Significant risk |
| A L1 Added Apt 1 | High risk |
| A L1 Added Apt 2 | High risk |
| A L1 Added Living | High risk |
| A L1 Added Ensuite | Low risk |
| A L1 Added Apt 3 | High risk |
| A L1 Living 1 | N/A |
| A L1 Living 3 | N/A |
| B L1 Living 5 | N/A |
| B L1 Living 4 | N/A |
| B L1 Living 1 | N/A |
| B L1 Living 2 | N/A |
| B L1 Living 3 | N/A |
| B GF Laundry | N/A |
| B GF Lounge | N/A |
| B GF Cinema | N/A |
| B GF Canteen | N/A |
| B GF Gym | N/A |

| Zone | Risk of overheating |
|---|---|
| B GF Reception Lobby | N/A |
| B GF Manager Office | N/A |
| B GF Post Room | N/A |
| B GF Meeting Room | N/A |
| B L1 Living 5 | N/A |
| B L1 Living 4 | N/A |
| B L1 Living 1 | N/A |
| B L1 Living 2 | N/A |
| B L1 Living 3 | N/A |
| B L1 Living 5 | N/A |
| B L1 Living 4 | N/A |
| B L1 Living 1 | N/A |
| B L1 Living 2 | N/A |
| B L1 Living 3 | N/A |
| B L1 Living 5 | N/A |
| B L1 Living 4 | N/A |
| B L1 Living 2 | N/A |
| B L1 Living 3 | N/A |
| A L2 Living 1 | N/A |
| A L2 Living 3 | N/A |
| A L3 Living 1 | N/A |
| A L3 Living 3 | N/A |
| A L4 Living 1 | N/A |
| A L4 Living 3 | N/A |
| A L5 Living 1 | N/A |
| B L1 Living 5 | N/A |
| B L1 Living 4 | N/A |
| A L4 Living 2 | N/A |
| A L4 Extra Apt | N/A |
| A L3 Living 2 | N/A |
| A L3 Extra Apt | N/A |
| A L2 Living 2 | N/A |
| A L2 Extra Apt | N/A |
| A L1 Living 2 | N/A |
| A L1 Extra Apt | N/A |

## Primary Energy Contributions to RER

| Technology | kWh/annum |
|---|---|
| Photovoltaic systems | 100640 |
| Wind turbines | 0 |
| Solar thermal for water heating | 0 |
| Biomass for space and/or water heating | 0 |
| Biogas for space and/or water heating | 0 |
| Heat pumps for space and/or water heating | 153509 |
| CHP generators for space and/or water heating | 0 |
| District heating for space and/or water heating | 0 |
| Process energy | 0 |
| **Total for renewables** | **254149.0** |
| **Total for renewables & non-renewables** | **907987.2** |

# Technical Data Sheet (Actual vs. Reference Building)

## Building Global Parameters

| | Actual | Reference |
|---|---|---|
| Area (m2) | 8762 | 8762 |
| External area (m2) | 8476 | 8476 |
| Weather | DUB | DUB |
| Infiltration (m3/hm2 @ 50Pa) | 5 | 3 |
| Average conductance (W/K) | 3919.21 | 4056.31 |
| Average U-value (W/m2K) | 0.46 | 0.48 |
| Alpha value* (%) | 24.13 | 20.85 |

* Percentage of the building's average heat transfer coefficient which is due to thermal bridging

## Building Use

| % area | Building Type |
|---|---|
| | Retail/Financial and Professional services |
| | Restaurants and Cafes/Drinking Est./Takeaways |
| | Offices and Workshop businesses |
| | General Industrial and Special Industrial Groups |
| | Storage or Distribution |
| **40** | **Hotels** |
| | Residential Inst.: Hospitals and Care Homes |
| | Residential Inst.: Residential Primary schools |
| | Residential Inst.: Universities and colleges |
| | Secure Residential Inst. |
| **59** | **Residential spaces** |
| | Non-residential Inst.: Community/Day Centre |
| | Non-residential Inst.: Libraries, Museums, and Galleries |
| | Non-residential Inst.: Primary Education |
| | Non-residential Inst.: Primary Health Care Building |
| | Non-residential Inst.: Law Courts |
| | General Assembly and Leisure, Night Clubs and Theatres |
| | Others: Passenger terminals |
| | Others: Emergency services |
| | Others: Miscellaneous 24hr activities |
| | Others: Car Parks 24 hrs |
| | Others - Stand alone utility block |
| | Non-residential Inst.: Post-primary Education |
| | Residential Inst.: Residential Post-primary schools |

## HVAC Systems Performance

| System Type | | Heat dem MJ/m2 | Cool dem MJ/m2 | Heat con kWh/m2 | Cool con kWh/m2 | Aux con kWh/m2 | Heat SSEEF | Cool SSEER | Heat gen SEFF | Cool gen SEER |
|---|---|---|---|---|---|---|---|---|---|---|
| **[ST] Other local room heater - unfanned, [HS] Direct or storage electric heater, [HFT] Electricity, [CFT] Electricity** | | | | | | | | | | |
| | **Actual** | 98.8 | 41.5 | 34.3 | 0 | 0.7 | 0.8 | 0 | 1 | 0 |
| | **Reference** | 88.8 | 69.8 | 30.1 | 0 | 1 | 0.82 | 0 | ---- | ---- |
| **[ST] Split or multi-split system, [HS] Heat pump (electric): air source, [HFT] Electricity, [CFT] Electricity** | | | | | | | | | | |
| | **Actual** | 111.5 | 104.7 | 9.5 | 9.1 | 0 | 3.26 | 3.2 | 3.5 | 4.5 |
| | **Reference** | 85.6 | 116.1 | 29 | 9 | 3.6 | 0.82 | 3.6 | ---- | ---- |

### Key to terms

| | |
|---|---|
| Alpha value (%) | = percentage of the building's average heat transfer coefficient which is due to thermal bridging |
| Heat dem (MJ/m2) | = Heating energy demand |
| Cool dem (MJ/m2) | = Cooling energy demand |
| Heat con (kWh/m2) | = Heating energy consumption |
| Cool con (kWh/m2) | = Cooling energy consumption |
| Aux con (kWh/m2) | = Auxiliary energy consumption |
| Heat SSEFF | = Heating system seasonal efficiency |
| Cool SSEER | = Cooling system seasonal energy efficiency ratio |
| Heat gen SSEFF | = Heating generator seasonal efficiency |
| Cool gen SSEER | = Cooling generator seasonal energy efficiency ratio |
| ST | = System type |
| HS | = Heat source |
| HFT | = Heating fuel type |
| CFT | = Cooling fuel type |