

BRUKL Output Document



Compliance with England Building Regulations Part L 2021

Project name

CAM-WWL-2Z-ZZ-RP-N-000001 P04

Phase 2 Brukl

STATUS: S4

As designed

Date: Sun Nov 02 08:23:53 2025

Administrative information

Building Details

Address: Address 1, City, Postcode

Certifier details

Name: Name

Telephone number: Phone

Address: Street Address, City, Postcode

Certification tool

Calculation engine: Apache

Calculation engine version: 7.0.29

Interface to calculation engine: IES Virtual Environment

Interface to calculation engine version: 7.0.29

BRUKL compliance module version: v6.1.e.1

Foundation area [m²]: 1160.36

The CO₂ emission and primary energy rates of the building must not exceed the targets

Target CO ₂ emission rate (TER), kgCO ₂ /m ² annum	6.17
Building CO ₂ emission rate (BER), kgCO ₂ /m ² annum	6.02
Target primary energy rate (TPER), kWh _{PE} /m ² annum	65.4
Building primary energy rate (BPER), kWh _{PE} /m ² annum	62.6
Do the building's emission and primary energy rates exceed the targets?	BER ≤ TER BPER ≤ TPER

The performance of the building fabric and fixed building services should achieve reasonable overall standards of energy efficiency

Fabric element	U _{a-Limit}	U _{a-Calc}	U _{i-Calc}	First surface with maximum value
Walls*	0.26	0.15	0.15	08000000:Surf[2]
Floors	0.18	0.09	0.09	16000006:Surf[0]
Pitched roofs	0.16	-	-	No pitched roofs in building
Flat roofs	0.18	0.12	0.12	16000009:Surf[1]
Windows** and roof windows	1.6	0.82	1.6	08000000:Surf[1]
Rooflights***	2.2	0.8	0.8	06000009:Surf[12]
Personnel doors^	1.6	1.28	1.6	16000005:Surf[1]
Vehicle access & similar large doors	1.3	-	-	No vehicle access doors in building
High usage entrance doors	3	-	-	No high usage entrance doors in building

U_{a-Limit} = Limiting area-weighted average U-values [W/(m²K)]

U_{i-Calc} = Calculated maximum individual element U-values [W/(m²K)]

U_{a-Calc} = Calculated area-weighted average U-values [W/(m²K)]

* Automatic U-value check by the tool does not apply to curtain walls whose limiting standard is similar to that for windows.

** Display windows and similar glazing are excluded from the U-value check.

*** Values for rooflights refer to the horizontal position.

^ For fire doors, limiting U-value is 1.8 W/m²K

NB: Neither roof ventilators (inc. smoke vents) nor swimming pool basins are modelled or checked against the limiting standards by the tool.

Air permeability	Limiting standard	This building
m ³ /(h.m ²) at 50 Pa	8	1.7

Building services

For details on the standard values listed below, system-specific guidance, and additional regulatory requirements, refer to the Approved Documents.

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

1- EH + NV

	Heating efficiency	Cooling efficiency	Radiant efficiency	SFP [W/(l/s)]	HR efficiency
This system	1	-	0	-	-
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

2- Comms Split

	Heating efficiency	Cooling efficiency	Radiant efficiency	SFP [W/(l/s)]	HR efficiency
This system	4.3	6.8	-	-	-
Standard value	2.5*	5	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 all types >12 kW output, except absorption and gas engine heat pumps.					

3- VRF + HRU

	Heating efficiency	Cooling efficiency	Radiant efficiency	SFP [W/(l/s)]	HR efficiency
This system	4.3	6.8	0	1.4	0.8
Standard value	2.5*	N/A	N/A	2^	N/A
Automatic monitoring & targeting with alarms for out-of-range values for this HVAC system					NO
* Standard shown is for all types >12 kW output, except absorption and gas engine heat pumps.					
^ Limiting SFP may be increased by the amounts specified in the Approved Documents if the installation includes particular components.					

4- EH + Ext

	Heating efficiency	Cooling efficiency	Radiant efficiency	SFP [W/(l/s)]	HR efficiency
This system	1	-	0	-	-
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

5- EH + MVHR

	Heating efficiency	Cooling efficiency	Radiant efficiency	SFP [W/(l/s)]	HR efficiency
This system	1	-	0	-	0.8
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 HWS in project, or hot water is provided by HVAC system"

Zone-level mechanical ventilation, exhaust, and terminal units

ID	System type in the Approved Documents
A	Local supply or extract ventilation units
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 balanced supply and extract ventilation system
E	Local balanced supply and extract ventilation units
F	Other local ventilation units
G	Fan assisted terminal variable air volume units
H	Fan coil units
I	Kitchen extract with the fan remote from the zone and a grease filter
NB: Limiting SFP may be increased by the amounts specified in the Approved Documents if the installation includes particular components.	

Zone name		SFP [W/(l/s)]									HR efficiency	
ID of system type		A	B	C	D	E	F	G	H	I	Zone	Standard
Standard value		0.3	1.1	0.5	2.3	2	0.5	0.5	0.4	1		
0055	Cleaner's Store & Laundry	-	-	-	1	-	-	-	-	-	-	N/A
0089	Central Kitchen	-	-	1.5	-	-	-	-	-	-	-	N/A
101	Laundry	-	-	-	1	-	-	-	-	-	-	N/A
102	Laundry	-	-	-	1	-	-	-	-	-	-	N/A
133	Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
133	Ensuite	-	-	0.4	-	-	-	-	-	-	-	N/A
137	Kitchen	-	-	0.4	-	-	-	-	-	-	-	N/A
147	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
150	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
153	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
156	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
157	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
158	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
159	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
160	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
162	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
163	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
166	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
167	Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
168	Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
169	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
171	Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
172	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
174	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
178	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
180	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
182	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
183	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
185	Kitchen	-	-	0.4	-	-	-	-	-	-	-	N/A
187	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
194	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
195	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
196	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
214	Accessible Cluster En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
215	Accessible Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
431	Kitchen	-	-	0.4	-	-	-	-	-	-	-	N/A
431	Kitchen	-	-	0.4	-	-	-	-	-	-	-	N/A
431	Kitchen	-	-	0.4	-	-	-	-	-	-	-	N/A
431	Kitchen	-	-	0.4	-	-	-	-	-	-	-	N/A
431	Kitchen	-	-	0.4	-	-	-	-	-	-	-	N/A
440	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
440	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
440	En-Suite	-	-	0.4	-	-	-	-	-	-	-	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	2.3	2	0.5	0.5	0.4	1	Zone	Standard
440	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
440	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
441	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
441	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
441	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
441	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
441	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
441	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
451	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
451	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
451	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
451	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
451	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
453	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
453	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
453	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
453	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
453	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
453	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
454	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
454	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
454	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
454	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
454	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
456	Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
456	Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
456	Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
456	Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
456	Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
458	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
458	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
458	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
458	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
458	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
460	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
460	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
460	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
460	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
460	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
464	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
464	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
464	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
464	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
464	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
466	En-Suite	-	-	0.4	-	-	-	-	-	-	-	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	2.3	2	0.5	0.5	0.4	1	Zone	Standard
466 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
466 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
466 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
466 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
468 Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
468 Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
468 Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
468 Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
468 Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
469 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
469 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
469 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
469 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
469 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
473 Kitchen		-	-	0.4	-	-	-	-	-	-	-	N/A
473 Kitchen		-	-	0.4	-	-	-	-	-	-	-	N/A
473 Kitchen		-	-	0.4	-	-	-	-	-	-	-	N/A
473 Kitchen		-	-	0.4	-	-	-	-	-	-	-	N/A
473 Kitchen		-	-	0.4	-	-	-	-	-	-	-	N/A
477 Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
477 Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
477 Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
477 Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
477 Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
479 Acc. Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
479 Acc. Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
479 Acc. Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
479 Acc. Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
479 Acc. Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
480 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
480 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
480 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
480 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
480 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
481 Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
481 Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
481 Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
481 Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
481 Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
483 Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
483 Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
483 Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
483 Cluster		-	-	-	0.8	-	-	-	-	-	-	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	2.3	2	0.5	0.5	0.4	1	Zone	Standard
483	Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
486	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
486	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
486	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
486	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
486	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
498	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
498	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
498	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
498	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
498	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
499	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
499	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
499	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
499	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
499	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
508	Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
508	Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
508	Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
508	Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
508	Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
510	Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
510	Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
510	Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
510	Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
510	Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
512	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
512	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
512	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
512	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
512	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
513	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
513	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
513	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
513	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
513	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
514	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
514	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
514	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
514	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
514	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
518	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
518	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A

Zone name		SFP [W/(l/s)]									HR efficiency	
ID of system type		A	B	C	D	E	F	G	H	I	Zone	Standard
Standard value		0.3	1.1	0.5	2.3	2	0.5	0.5	0.4	1		
518 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
518 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
518 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
523 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
523 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
523 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
523 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
523 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
524 Accesible Aff. Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
524 Accesible Aff. Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
524 Accesible Aff. Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
524 Accesible Aff. Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
524 Accesible Aff. Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
524 Ensuite		-	-	0.4	-	-	-	-	-	-	-	N/A
524 Ensuite		-	-	0.4	-	-	-	-	-	-	-	N/A
524 Ensuite		-	-	0.4	-	-	-	-	-	-	-	N/A
524 Ensuite		-	-	0.4	-	-	-	-	-	-	-	N/A
524 Ensuite		-	-	0.4	-	-	-	-	-	-	-	N/A
525 Accesible En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
525 Accesible En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
525 Accesible En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
525 Accesible En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
525 Accesible En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
529 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
529 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
529 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
529 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
529 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
535 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
535 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
535 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
535 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
535 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
537 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
537 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
537 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
537 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
537 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
538 Accesible Aff. Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
538 Accesible Aff. Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
538 Accesible Aff. Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
538 Accesible Aff. Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
538 Accesible Aff. Cluster		-	-	-	0.8	-	-	-	-	-	-	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	2.3	2	0.5	0.5	0.4	1	Zone	Standard
541	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
541	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
541	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
541	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
541	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
551	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
551	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
551	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
551	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
551	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
553	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
553	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
553	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
553	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
553	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
558	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
558	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
558	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
558	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
558	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
563	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
563	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
563	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
563	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
563	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
564	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
564	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
564	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
564	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
564	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
566	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
566	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
566	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
566	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
566	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
568	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
568	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
568	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
568	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
568	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
574	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
574	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
574	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	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	2.3	2	0.5	0.5	0.4	1	Zone	Standard
574	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
574	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
575	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
575	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
575	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
575	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
575	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
575	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
580	Acc. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
580	Acc. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
580	Acc. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
580	Acc. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
580	Acc. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
584	Acc. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
584	Acc. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
584	Acc. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
584	Acc. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
584	Acc. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
584	Acc. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
585	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
585	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
585	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
585	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
585	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
589	Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
589	Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
589	Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
589	Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
589	Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
602	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
602	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
602	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
602	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
602	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
603	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
603	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
603	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
603	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
603	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
604	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
604	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
604	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
604	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
604	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
605	En-Suite	-	-	0.4	-	-	-	-	-	-	-	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	2.3	2	0.5	0.5	0.4	1	Zone	Standard
605	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
605	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
605	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
605	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
606	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
606	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
606	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
606	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
606	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
607	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
607	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
607	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
607	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
607	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
608	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
608	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
608	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
608	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
609	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
609	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
609	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
609	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
609	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
610	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
610	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
610	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
610	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
610	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
611	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
611	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
611	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
611	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
611	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
612	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
612	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
612	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
612	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
612	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
613	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
613	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
613	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
613	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A

Zone name		SFP [W/(l/s)]									HR efficiency	
ID of system type		A	B	C	D	E	F	G	H	I	Zone	Standard
Standard value		0.3	1.1	0.5	2.3	2	0.5	0.5	0.4	1		
613 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
614 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
614 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
614 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
614 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
614 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
615 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
615 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
615 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
615 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
615 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
616 Accesible En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
616 Accesible En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
616 Accesible En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
616 Accesible En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
616 Accesible En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
617 Aff. Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
617 Aff. Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
617 Aff. Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
617 Aff. Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
617 Aff. Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
618 Aff. Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
618 Aff. Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
618 Aff. Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
618 Aff. Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
618 Aff. Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
619 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
619 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
619 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
619 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
619 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
620 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
620 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
620 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
620 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
620 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
621 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
621 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
621 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
621 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
621 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
622 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
622 En-Suite		-	-	0.4	-	-	-	-	-	-	-	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	2.3	2	0.5	0.5	0.4	1	Zone	Standard
622	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
622	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
622	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
623	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
623	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
623	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
623	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
623	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
624	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
624	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
624	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
624	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
624	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
624	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
625	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
625	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
625	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
625	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
625	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
626	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
626	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
626	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
626	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
626	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
627	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
627	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
627	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
627	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
627	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
628	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
628	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
628	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
628	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
628	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
629	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
629	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
629	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
629	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
629	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
630	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
630	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
630	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
630	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
630	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	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	2.3	2	0.5	0.5	0.4	1	Zone	Standard
631	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
631	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
631	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
631	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
631	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
634	Acc. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
634	Acc. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
634	Acc. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
634	Acc. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
634	Acc. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
638	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
638	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
638	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
638	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
638	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
639	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
639	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
639	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
639	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
639	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
640	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
640	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
640	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
640	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
640	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
641	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
641	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
641	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
641	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
641	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
642	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
642	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
642	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
642	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
642	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
643	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
643	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
643	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
643	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
643	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
644	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
644	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
644	En-Suite	-	-	0.4	-	-	-	-	-	-	-	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	2.3	2	0.5	0.5	0.4	1	Zone	Standard
644	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
644	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
646	Studio	-	-	-	0.8	-	-	-	-	-	-	N/A
646	Studio	-	-	-	0.8	-	-	-	-	-	-	N/A
646	Studio	-	-	-	0.8	-	-	-	-	-	-	N/A
646	Studio	-	-	-	0.8	-	-	-	-	-	-	N/A
646	Studio	-	-	-	0.8	-	-	-	-	-	-	N/A
646	Studio	-	-	-	0.8	-	-	-	-	-	-	N/A
647	Studio	-	-	-	0.8	-	-	-	-	-	-	N/A
647	Studio	-	-	-	0.8	-	-	-	-	-	-	N/A
647	Studio	-	-	-	0.8	-	-	-	-	-	-	N/A
647	Studio	-	-	-	0.8	-	-	-	-	-	-	N/A
647	Studio	-	-	-	0.8	-	-	-	-	-	-	N/A
648	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
648	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
648	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
648	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
648	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
649	Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
649	Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
649	Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
649	Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
649	Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
650	Kitchen	-	-	0.4	-	-	-	-	-	-	-	N/A
650	Kitchen	-	-	0.4	-	-	-	-	-	-	-	N/A
650	Kitchen	-	-	0.4	-	-	-	-	-	-	-	N/A
650	Kitchen	-	-	0.4	-	-	-	-	-	-	-	N/A
650	Kitchen	-	-	0.4	-	-	-	-	-	-	-	N/A
905	Kitchen	-	-	0.4	-	-	-	-	-	-	-	N/A
905	Kitchen	-	-	0.4	-	-	-	-	-	-	-	N/A
905	Kitchen	-	-	0.4	-	-	-	-	-	-	-	N/A
905	Kitchen	-	-	0.4	-	-	-	-	-	-	-	N/A
905	Kitchen	-	-	0.4	-	-	-	-	-	-	-	N/A
919	Kitchen	-	-	0.4	-	-	-	-	-	-	-	N/A
919	Kitchen	-	-	0.4	-	-	-	-	-	-	-	N/A
919	Kitchen	-	-	0.4	-	-	-	-	-	-	-	N/A
919	Kitchen	-	-	0.4	-	-	-	-	-	-	-	N/A
919	Kitchen	-	-	0.4	-	-	-	-	-	-	-	N/A
920	Kitchen	-	-	0.4	-	-	-	-	-	-	-	N/A
920	Kitchen	-	-	0.4	-	-	-	-	-	-	-	N/A
920	Kitchen	-	-	0.4	-	-	-	-	-	-	-	N/A
920	Kitchen	-	-	0.4	-	-	-	-	-	-	-	N/A
920	Kitchen	-	-	0.4	-	-	-	-	-	-	-	N/A
921	Kitchen	-	-	0.4	-	-	-	-	-	-	-	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	2.3	2	0.5	0.5	0.4	1	Zone	Standard
921	Kitchen	-	-	0.4	-	-	-	-	-	-	-	N/A
921	Kitchen	-	-	0.4	-	-	-	-	-	-	-	N/A
921	Kitchen	-	-	0.4	-	-	-	-	-	-	-	N/A
921	Kitchen	-	-	0.4	-	-	-	-	-	-	-	N/A
926	Studio	-	-	-	0.8	-	-	-	-	-	-	N/A
926	Studio	-	-	-	0.8	-	-	-	-	-	-	N/A
926	Studio	-	-	-	0.8	-	-	-	-	-	-	N/A
926	Studio	-	-	-	0.8	-	-	-	-	-	-	N/A
926	Studio	-	-	-	0.8	-	-	-	-	-	-	N/A
927	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
927	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
927	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
927	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
927	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
929	Kitchen	-	-	0.4	-	-	-	-	-	-	-	N/A
929	Kitchen	-	-	0.4	-	-	-	-	-	-	-	N/A
929	Kitchen	-	-	0.4	-	-	-	-	-	-	-	N/A
929	Kitchen	-	-	0.4	-	-	-	-	-	-	-	N/A
929	Kitchen	-	-	0.4	-	-	-	-	-	-	-	N/A
931	Acc. Cluster-En Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
931	Acc. Cluster-En Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
931	Acc. Cluster-En Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
931	Acc. Cluster-En Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
931	Acc. Cluster-En Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
932	Acc. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
932	Acc. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
932	Acc. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
932	Acc. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
932	Acc. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
949	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
949	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
949	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
949	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
949	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
951	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
951	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
951	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
951	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
951	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
954	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
954	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
954	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
954	En-Suite	-	-	0.4	-	-	-	-	-	-	-	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	2.3	2	0.5	0.5	0.4	1	Zone	Standard
954	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
960	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
960	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
960	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
960	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
960	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
961	Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
961	Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
961	Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
961	Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
961	Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
962	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
962	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
962	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
962	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
962	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
965	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
965	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
965	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
965	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
965	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
967	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
967	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
967	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
967	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
967	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
975	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
975	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
975	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
975	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
975	Aff. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
976	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
976	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
976	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
976	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
976	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
977	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
977	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
977	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
977	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
977	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
978	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
978	En-Suite	-	-	0.4	-	-	-	-	-	-	-	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	2.3	2	0.5	0.5	0.4	1	Zone	Standard
978 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
978 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
978 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
979 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
979 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
979 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
979 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
979 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
980 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
980 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
980 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
980 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
980 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
980 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
981 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
981 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
981 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
981 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
981 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
982 Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
982 Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
982 Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
982 Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
982 Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
984 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
984 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
984 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
984 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
984 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
989 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
989 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
989 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
989 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
989 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
991 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
991 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
991 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
991 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
991 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
992 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
992 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
992 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
992 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
992 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A

Zone name		SFP [W/(l/s)]									HR efficiency	
ID of system type		A	B	C	D	E	F	G	H	I	Zone	Standard
Standard value		0.3	1.1	0.5	2.3	2	0.5	0.5	0.4	1		
993 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
993 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
993 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
993 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
993 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
994 Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
994 Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
994 Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
994 Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
994 Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
996 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
996 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
996 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
996 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
996 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
998 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
998 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
998 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
998 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
998 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
1000 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
1000 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
1000 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
1000 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
1000 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
1004 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
1004 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
1004 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
1004 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
1004 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
1006 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
1006 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
1006 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
1006 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
1006 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
1007 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
1007 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
1007 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
1007 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
1007 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
1008 Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
1008 Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
1008 Cluster		-	-	-	0.8	-	-	-	-	-	-	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	2.3	2	0.5	0.5	0.4	1	Zone	Standard
1008 Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
1008 Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
1010 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
1010 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
1010 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
1010 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
1010 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
1010 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
1011 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
1011 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
1011 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
1011 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
1011 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
1015 Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
1015 Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
1015 Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
1015 Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
1015 Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
1016 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
1016 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
1016 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
1016 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
1016 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
1017 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
1017 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
1017 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
1017 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
1017 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
1017 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
1018 Acc. Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
1018 Acc. Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
1018 Acc. Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
1018 Acc. Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
1018 Acc. Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
1019 Acc. Cluster-En Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
1019 Acc. Cluster-En Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
1019 Acc. Cluster-En Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
1019 Acc. Cluster-En Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
1019 Acc. Cluster-En Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
1022 Kitchen		-	-	0.4	-	-	-	-	-	-	-	N/A
1022 Kitchen		-	-	0.4	-	-	-	-	-	-	-	N/A
1022 Kitchen		-	-	0.4	-	-	-	-	-	-	-	N/A
1022 Kitchen		-	-	0.4	-	-	-	-	-	-	-	N/A
1026 Cluster		-	-	-	0.8	-	-	-	-	-	-	N/A
1026 Cluster		-	-	-	0.8	-	-	-	-	-	-	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	2.3	2	0.5	0.5	0.4	1	Zone	Standard
1026	Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
1026	Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
1034	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
1034	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
1034	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
1034	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
1037	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
1037	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
1037	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
1037	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
1039	Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
1039	Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
1039	Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
1039	Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
1040	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
1040	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
1040	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
1040	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
1041	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
1041	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
1041	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
1041	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
1042	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
1042	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
1042	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
1042	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
1042	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
1043	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
1043	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
1043	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
1043	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
1044	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
1044	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
1044	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
1044	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
1044	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
1050	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
1050	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
1050	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
1050	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
1050	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
1051	Acc. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
1051	Acc. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
1051	Acc. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A
1051	Acc. Cluster	-	-	-	0.8	-	-	-	-	-	-	N/A

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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	2.3	2	0.5	0.5	0.4	1	Zone	Standard
2233 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
2233 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
2233 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
2233 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
2233 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
2233 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
2233 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
2233 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
2233 En-Suite		-	-	0.4	-	-	-	-	-	-	-	N/A
2234 Studio		-	-	-	0.8	-	-	-	-	-	-	N/A
2234 Studio		-	-	-	0.8	-	-	-	-	-	-	N/A
2234 Studio		-	-	-	0.8	-	-	-	-	-	-	N/A
2234 Studio		-	-	-	0.8	-	-	-	-	-	-	N/A
2234 Studio		-	-	-	0.8	-	-	-	-	-	-	N/A
2234 Studio		-	-	-	0.8	-	-	-	-	-	-	N/A
2234 Studio		-	-	-	0.8	-	-	-	-	-	-	N/A
2234 Studio		-	-	-	0.8	-	-	-	-	-	-	N/A
2234 Studio		-	-	-	0.8	-	-	-	-	-	-	N/A
2234 Studio		-	-	-	0.8	-	-	-	-	-	-	N/A
2234 Studio		-	-	-	0.8	-	-	-	-	-	-	N/A
2234 Studio		-	-	-	0.8	-	-	-	-	-	-	N/A
2234 Studio		-	-	-	0.8	-	-	-	-	-	-	N/A
2234 Studio		-	-	-	0.8	-	-	-	-	-	-	N/A
2234 Studio		-	-	-	0.8	-	-	-	-	-	-	N/A
2234 Studio		-	-	-	0.8	-	-	-	-	-	-	N/A
2234 Studio		-	-	-	0.8	-	-	-	-	-	-	N/A
2234 Studio		-	-	-	0.8	-	-	-	-	-	-	N/A
2234 Studio		-	-	-	0.8	-	-	-	-	-	-	N/A
2234 Studio		-	-	-	0.8	-	-	-	-	-	-	N/A
2239 PG Kitchen		-	-	0.4	-	-	-	-	-	-	-	N/A
2239 PG Kitchen		-	-	0.4	-	-	-	-	-	-	-	N/A
2239 PG Kitchen		-	-	0.4	-	-	-	-	-	-	-	N/A
2239 PG Kitchen		-	-	0.4	-	-	-	-	-	-	-	N/A
2239 PG Kitchen		-	-	0.4	-	-	-	-	-	-	-	N/A
2239 PG Kitchen		-	-	0.4	-	-	-	-	-	-	-	N/A
2239 PG Kitchen		-	-	0.4	-	-	-	-	-	-	-	N/A
2239 PG Kitchen		-	-	0.4	-	-	-	-	-	-	-	N/A
2239 PG Kitchen		-	-	0.4	-	-	-	-	-	-	-	N/A
2239 PG Kitchen		-	-	0.4	-	-	-	-	-	-	-	N/A
2239 PG Kitchen		-	-	0.4	-	-	-	-	-	-	-	N/A
2239 PG Kitchen		-	-	0.4	-	-	-	-	-	-	-	N/A
2239 PG Kitchen		-	-	0.4	-	-	-	-	-	-	-	N/A
2239 PG Kitchen		-	-	0.4	-	-	-	-	-	-	-	N/A
2239 PG Kitchen		-	-	0.4	-	-	-	-	-	-	-	N/A
2239 PG Kitchen		-	-	0.4	-	-	-	-	-	-	-	N/A
2239 PG Kitchen		-	-	0.4	-	-	-	-	-	-	-	N/A
2239 PG Kitchen		-	-	0.4	-	-	-	-	-	-	-	N/A
2239 PG Kitchen		-	-	0.4	-	-	-	-	-	-	-	N/A
2242 Studio		-	-	-	0.8	-	-	-	-	-	-	N/A

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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	2.3	2	0.5	0.5	0.4	1	Zone	Standard
2251	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
2251	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
2251	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
2251	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
2251	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A
2251	En-Suite	-	-	0.4	-	-	-	-	-	-	-	N/A

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m²]
Standard value		95	80	0.3
0001	Storage	144	-	-
0002	Refuse	144	-	-
0003	Circulation	144	-	-
0004	Comms	144	-	-
0005	Circulation	144	-	-
0007	Stair	144	-	-
0009	Substation	144	-	-
0010	Community Refuse	144	-	-
0011	Circulation	144	-	-
0012	Stair	144	-	-
0013	All Staff Meeting Room	144	-	-
0016	Parcel Store	144	-	-
0017	Security Lobby	144	-	-
0019	Cycle Store	144	-	-
0020	Circulation	144	-	-
0021	Comms	144	-	-
0022	Reception/Waiting	144	15	9
0023	Stair	144	-	-
0024	Multi Faith Room	144	-	-
0025	Screen Room	144	-	-
0026	Screen Room	144	-	-
0027	Refuse	144	-	-
0028	Circulation	144	-	-
0031	All Staff Meeting Room	144	-	-
0032	Cloakroom	144	-	-
0033	Welfare	144	-	-
0034	Acc. WC	144	-	-
0035	Staff Office	144	-	-
0036	Parcel Store	144	-	-
0037	Visitor/Student Waiting	144	-	-
0040	Circulation	144	-	-
0041	Store	144	-	-
0042	Circulation	144	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m ²]
	Standard value	95	80	0.3
0043 CORE B		144	-	-
0044 Community		144	-	-
0046 Substation		144	-	-
0047 Community		144	-	-
0048 Circulation		144	-	-
0049 Refuse		144	-	-
0050 Circulation		144	-	-
0052 Circulation		144	-	-
0053 Circulation		144	-	-
0054 CORE C		144	-	-
0055 Cleaner's Store & Laundry		144	-	-
0056 WCs		144	-	-
0057 WCs		144	-	-
0058 WCs		144	-	-
0059 WCs		144	-	-
0060 WC Lobby		144	-	-
0061 WCs		144	-	-
0062 WCs		144	-	-
0065 Stair		144	-	-
0066 Stair		144	-	-
0067 Lift Lobby		144	-	-
0071 STAMP CLUSTER WIN LHS		144	-	-
0076 Domestic Water		144	-	-
0077 CORE D		144	-	-
0079 District Heat		144	-	-
0081 Refuse		144	-	-
0082 Lobby		144	-	-
0083 Movie Room		144	-	-
0084 Movie Room		144	-	-
0085 WCs		144	-	-
0086 Store		144	-	-
0087 Security Lobby		144	-	-
0088 CORE A		144	-	-
0089 Central Kitchen		144	-	-
101 Laundry		144	-	-
102 Laundry		144	-	-
105 CORE B		144	-	-
106 Stair		144	-	-
109 Circulation		144	-	-
110 Silent Study		144	-	-
111 Circulation		144	-	-
113 Store		144	-	-
115 Stair		144	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m ²]
	Standard value	95	80	0.3
118	Circulation	144	-	-
119	Circulation	144	-	-
125	Stair	144	-	-
127	Store	144	-	-
132	Circulation	144	-	-
133	Cluster	144	-	-
133	Ensuite	144	-	-
137	Kitchen	144	-	-
141	Circulation	144	-	-
142	Store	144	-	-
143	Community	144	-	-
144	Library Study	144	-	-
147	En-Suite	144	-	-
150	En-Suite	144	-	-
153	En-Suite	144	-	-
156	En-Suite	144	-	-
157	Aff. Cluster	144	-	-
158	En-Suite	144	-	-
159	Aff. Cluster	144	-	-
160	En-Suite	144	-	-
162	En-Suite	144	-	-
163	En-Suite	144	-	-
166	En-Suite	144	-	-
167	Cluster	144	-	-
168	Cluster	144	-	-
169	En-Suite	144	-	-
171	Cluster	144	-	-
172	En-Suite	144	-	-
174	En-Suite	144	-	-
178	En-Suite	144	-	-
180	En-Suite	144	-	-
182	En-Suite	144	-	-
183	En-Suite	144	-	-
184	Circulation	144	-	-
185	Kitchen	144	-	-
187	En-Suite	144	-	-
194	En-Suite	144	-	-
195	En-Suite	144	-	-
196	En-Suite	144	-	-
197	Study Lounge	144	-	-
198	Group Study	144	-	-
199	Group Study	144	-	-
200	Circulation	144	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m ²]
	Standard value	95	80	0.3
201	Study Breakout	144	-	-
202	Silent Study	144	-	-
203	Group Study	144	-	-
204	Group Study	144	-	-
205	Group Study	144	-	-
206	Group Study	144	-	-
207	Marketplace Cafe	144	-	-
208	WC	144	-	-
209	Acc. WC	144	-	-
210	Movie Room	144	-	-
211	Study Room	144	-	-
213	Circulation	144	-	-
214	Accessible Cluster En-Suite	144	-	-
215	Accessible Cluster	144	-	-
216	Study Room	144	-	-
217	Study Room	144	-	-
218	Group Study	144	-	-
219	Circulation	144	-	-
220	Stair	144	-	-
221	Circulation	144	-	-
222	Circulation	144	-	-
223	Circulation	144	-	-
224	CORE C	144	-	-
225	Stair	144	-	-
226	Lift Lobby	144	-	-
227	Circulation	144	-	-
233	Circulation	144	-	-
234	CORE D	144	-	-
235	Circulation	144	-	-
236	CORE A	144	-	-
238	Circulation	144	-	-
239	Games	144	-	-
240	Lounge	144	-	-
241	Club Lounge	144	-	-
242	Social Lounge	144	-	-
243	Waiting Lounge	144	-	-
244	Study Lounge	144	-	-
403	Stair	144	-	-
403	Stair	144	-	-
403	Stair	144	-	-
403	Stair	144	-	-
403	Stair	144	-	-
403	Stair	144	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m ²]
Standard value		95	80	0.3
406	Circulation	144	-	-
406	Circulation	144	-	-
406	Circulation	144	-	-
406	Circulation	144	-	-
406	Circulation	144	-	-
408	Store	144	-	-
408	Store	144	-	-
408	Store	144	-	-
408	Store	144	-	-
408	Store	144	-	-
410	Stair	144	-	-
410	Stair	144	-	-
410	Stair	144	-	-
410	Stair	144	-	-
410	Stair	144	-	-
413	Circulation	144	-	-
413	Circulation	144	-	-
413	Circulation	144	-	-
413	Circulation	144	-	-
413	Circulation	144	-	-
414	Circulation	144	-	-
414	Circulation	144	-	-
414	Circulation	144	-	-
414	Circulation	144	-	-
414	Circulation	144	-	-
415	Circulation	144	-	-
415	Circulation	144	-	-
415	Circulation	144	-	-
415	Circulation	144	-	-
415	Circulation	144	-	-
417	Lift Lobby	144	-	-
417	Lift Lobby	144	-	-
417	Lift Lobby	144	-	-
417	Lift Lobby	144	-	-
417	Lift Lobby	144	-	-
422	Stair	144	-	-
422	Stair	144	-	-
422	Stair	144	-	-
422	Stair	144	-	-
422	Stair	144	-	-
431	Kitchen	144	-	-
431	Kitchen	144	-	-
431	Kitchen	144	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m²]
	Standard value	95	80	0.3
431 Kitchen		144	-	-
431 Kitchen		144	-	-
435 Circulation		144	-	-
435 Circulation		144	-	-
435 Circulation		144	-	-
435 Circulation		144	-	-
435 Circulation		144	-	-
435 Circulation		144	-	-
437 Circulation		144	-	-
437 Circulation		144	-	-
437 Circulation		144	-	-
437 Circulation		144	-	-
437 Circulation		144	-	-
440 En-Suite		144	-	-
440 En-Suite		144	-	-
440 En-Suite		144	-	-
440 En-Suite		144	-	-
440 En-Suite		144	-	-
441 Aff. Cluster		144	-	-
441 Aff. Cluster		144	-	-
441 Aff. Cluster		144	-	-
441 Aff. Cluster		144	-	-
441 Aff. Cluster		144	-	-
451 Aff. Cluster		144	-	-
451 Aff. Cluster		144	-	-
451 Aff. Cluster		144	-	-
451 Aff. Cluster		144	-	-
451 Aff. Cluster		144	-	-
453 Aff. Cluster		144	-	-
453 Aff. Cluster		144	-	-
453 Aff. Cluster		144	-	-
453 Aff. Cluster		144	-	-
453 Aff. Cluster		144	-	-
454 Aff. Cluster		144	-	-
454 Aff. Cluster		144	-	-
454 Aff. Cluster		144	-	-
454 Aff. Cluster		144	-	-
454 Aff. Cluster		144	-	-
456 Cluster		144	-	-
456 Cluster		144	-	-
456 Cluster		144	-	-
456 Cluster		144	-	-
456 Cluster		144	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m ²]
	Standard value	95	80	0.3
458 En-Suite		144	-	-
458 En-Suite		144	-	-
458 En-Suite		144	-	-
458 En-Suite		144	-	-
458 En-Suite		144	-	-
460 En-Suite		144	-	-
460 En-Suite		144	-	-
460 En-Suite		144	-	-
460 En-Suite		144	-	-
460 En-Suite		144	-	-
464 En-Suite		144	-	-
464 En-Suite		144	-	-
464 En-Suite		144	-	-
464 En-Suite		144	-	-
464 En-Suite		144	-	-
466 En-Suite		144	-	-
466 En-Suite		144	-	-
466 En-Suite		144	-	-
466 En-Suite		144	-	-
466 En-Suite		144	-	-
468 Cluster		144	-	-
468 Cluster		144	-	-
468 Cluster		144	-	-
468 Cluster		144	-	-
468 Cluster		144	-	-
469 En-Suite		144	-	-
469 En-Suite		144	-	-
469 En-Suite		144	-	-
469 En-Suite		144	-	-
469 En-Suite		144	-	-
473 Kitchen		144	-	-
473 Kitchen		144	-	-
473 Kitchen		144	-	-
473 Kitchen		144	-	-
473 Kitchen		144	-	-
477 Cluster		144	-	-
477 Cluster		144	-	-
477 Cluster		144	-	-
477 Cluster		144	-	-
477 Cluster		144	-	-
478 Circulation		144	-	-
478 Circulation		144	-	-
478 Circulation		144	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m ²]
	Standard value	95	80	0.3
478	Circulation	144	-	-
478	Circulation	144	-	-
479	Acc. Cluster	144	-	-
479	Acc. Cluster	144	-	-
479	Acc. Cluster	144	-	-
479	Acc. Cluster	144	-	-
479	Acc. Cluster	144	-	-
480	En-Suite	144	-	-
480	En-Suite	144	-	-
480	En-Suite	144	-	-
480	En-Suite	144	-	-
480	En-Suite	144	-	-
481	Cluster	144	-	-
481	Cluster	144	-	-
481	Cluster	144	-	-
481	Cluster	144	-	-
481	Cluster	144	-	-
483	Cluster	144	-	-
483	Cluster	144	-	-
483	Cluster	144	-	-
483	Cluster	144	-	-
483	Cluster	144	-	-
486	En-Suite	144	-	-
486	En-Suite	144	-	-
486	En-Suite	144	-	-
486	En-Suite	144	-	-
486	En-Suite	144	-	-
498	Aff. Cluster	144	-	-
498	Aff. Cluster	144	-	-
498	Aff. Cluster	144	-	-
498	Aff. Cluster	144	-	-
498	Aff. Cluster	144	-	-
499	Aff. Cluster	144	-	-
499	Aff. Cluster	144	-	-
499	Aff. Cluster	144	-	-
499	Aff. Cluster	144	-	-
499	Aff. Cluster	144	-	-
508	Cluster	144	-	-
508	Cluster	144	-	-
508	Cluster	144	-	-
508	Cluster	144	-	-
508	Cluster	144	-	-
510	Cluster	144	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m ²]
	Standard value	95	80	0.3
510 Cluster		144	-	-
510 Cluster		144	-	-
510 Cluster		144	-	-
510 Cluster		144	-	-
512 Aff. Cluster		144	-	-
512 Aff. Cluster		144	-	-
512 Aff. Cluster		144	-	-
512 Aff. Cluster		144	-	-
512 Aff. Cluster		144	-	-
513 En-Suite		144	-	-
513 En-Suite		144	-	-
513 En-Suite		144	-	-
513 En-Suite		144	-	-
513 En-Suite		144	-	-
514 En-Suite		144	-	-
514 En-Suite		144	-	-
514 En-Suite		144	-	-
514 En-Suite		144	-	-
514 En-Suite		144	-	-
518 En-Suite		144	-	-
518 En-Suite		144	-	-
518 En-Suite		144	-	-
518 En-Suite		144	-	-
518 En-Suite		144	-	-
523 En-Suite		144	-	-
523 En-Suite		144	-	-
523 En-Suite		144	-	-
523 En-Suite		144	-	-
523 En-Suite		144	-	-
524 Accesible Aff. Cluster		144	-	-
524 Accesible Aff. Cluster		144	-	-
524 Accesible Aff. Cluster		144	-	-
524 Accesible Aff. Cluster		144	-	-
524 Accesible Aff. Cluster		144	-	-
524 Ensuite		144	-	-
524 Ensuite		144	-	-
524 Ensuite		144	-	-
524 Ensuite		144	-	-
524 Ensuite		144	-	-
525 Accesible En-Suite		144	-	-
525 Accesible En-Suite		144	-	-
525 Accesible En-Suite		144	-	-
525 Accesible En-Suite		144	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m ²]
	Standard value	95	80	0.3
525	Accesible En-Suite	144	-	-
529	En-Suite	144	-	-
529	En-Suite	144	-	-
529	En-Suite	144	-	-
529	En-Suite	144	-	-
529	En-Suite	144	-	-
535	En-Suite	144	-	-
535	En-Suite	144	-	-
535	En-Suite	144	-	-
535	En-Suite	144	-	-
535	En-Suite	144	-	-
537	En-Suite	144	-	-
537	En-Suite	144	-	-
537	En-Suite	144	-	-
537	En-Suite	144	-	-
537	En-Suite	144	-	-
538	Accesible Aff. Cluster	144	-	-
538	Accesible Aff. Cluster	144	-	-
538	Accesible Aff. Cluster	144	-	-
538	Accesible Aff. Cluster	144	-	-
538	Accesible Aff. Cluster	144	-	-
541	Aff. Cluster	144	-	-
541	Aff. Cluster	144	-	-
541	Aff. Cluster	144	-	-
541	Aff. Cluster	144	-	-
541	Aff. Cluster	144	-	-
551	En-Suite	144	-	-
551	En-Suite	144	-	-
551	En-Suite	144	-	-
551	En-Suite	144	-	-
551	En-Suite	144	-	-
553	En-Suite	144	-	-
553	En-Suite	144	-	-
553	En-Suite	144	-	-
553	En-Suite	144	-	-
553	En-Suite	144	-	-
558	En-Suite	144	-	-
558	En-Suite	144	-	-
558	En-Suite	144	-	-
558	En-Suite	144	-	-
558	En-Suite	144	-	-
563	Aff. Cluster	144	-	-
563	Aff. Cluster	144	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m ²]
	Standard value	95	80	0.3
563 Aff. Cluster		144	-	-
563 Aff. Cluster		144	-	-
563 Aff. Cluster		144	-	-
564 Aff. Cluster		144	-	-
564 Aff. Cluster		144	-	-
564 Aff. Cluster		144	-	-
564 Aff. Cluster		144	-	-
564 Aff. Cluster		144	-	-
564 Aff. Cluster		144	-	-
566 Aff. Cluster		144	-	-
566 Aff. Cluster		144	-	-
566 Aff. Cluster		144	-	-
566 Aff. Cluster		144	-	-
566 Aff. Cluster		144	-	-
566 Aff. Cluster		144	-	-
568 Aff. Cluster		144	-	-
568 Aff. Cluster		144	-	-
568 Aff. Cluster		144	-	-
568 Aff. Cluster		144	-	-
568 Aff. Cluster		144	-	-
574 Aff. Cluster		144	-	-
574 Aff. Cluster		144	-	-
574 Aff. Cluster		144	-	-
574 Aff. Cluster		144	-	-
574 Aff. Cluster		144	-	-
575 Aff. Cluster		144	-	-
575 Aff. Cluster		144	-	-
575 Aff. Cluster		144	-	-
575 Aff. Cluster		144	-	-
575 Aff. Cluster		144	-	-
576 Circulation		144	-	-
576 Circulation		144	-	-
576 Circulation		144	-	-
576 Circulation		144	-	-
576 Circulation		144	-	-
577 Lift Lobby		144	-	-
577 Lift Lobby		144	-	-
577 Lift Lobby		144	-	-
577 Lift Lobby		144	-	-
577 Lift Lobby		144	-	-
578 Circulation		144	-	-
578 Circulation		144	-	-
578 Circulation		144	-	-
578 Circulation		144	-	-
578 Circulation		144	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m ²]
	Standard value	95	80	0.3
579	Circulation	144	-	-
579	Circulation	144	-	-
579	Circulation	144	-	-
579	Circulation	144	-	-
579	Circulation	144	-	-
580	Acc. Cluster	144	-	-
580	Acc. Cluster	144	-	-
580	Acc. Cluster	144	-	-
580	Acc. Cluster	144	-	-
580	Acc. Cluster	144	-	-
581	Support	144	-	-
581	Support	144	-	-
581	Support	144	-	-
581	Support	144	-	-
581	Support	144	-	-
582	Circulation	144	-	-
582	Circulation	144	-	-
582	Circulation	144	-	-
582	Circulation	144	-	-
582	Circulation	144	-	-
583	Circulation	144	-	-
583	Circulation	144	-	-
583	Circulation	144	-	-
583	Circulation	144	-	-
583	Circulation	144	-	-
584	Acc. Cluster	144	-	-
584	Acc. Cluster	144	-	-
584	Acc. Cluster	144	-	-
584	Acc. Cluster	144	-	-
584	Acc. Cluster	144	-	-
585	En-Suite	144	-	-
585	En-Suite	144	-	-
585	En-Suite	144	-	-
585	En-Suite	144	-	-
585	En-Suite	144	-	-
589	Cluster	144	-	-
589	Cluster	144	-	-
589	Cluster	144	-	-
589	Cluster	144	-	-
589	Cluster	144	-	-
590	Stair	144	-	-
590	Stair	144	-	-
590	Stair	144	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m ²]
	Standard value	95	80	0.3
590 Stair		144	-	-
590 Stair		144	-	-
591 Circulation		144	-	-
591 Circulation		144	-	-
591 Circulation		144	-	-
591 Circulation		144	-	-
591 Circulation		144	-	-
592 Lift Lobby		144	-	-
592 Lift Lobby		144	-	-
592 Lift Lobby		144	-	-
592 Lift Lobby		144	-	-
592 Lift Lobby		144	-	-
593 Stair		144	-	-
593 Stair		144	-	-
593 Stair		144	-	-
593 Stair		144	-	-
593 Stair		144	-	-
594 Lift Lobby		144	-	-
594 Lift Lobby		144	-	-
594 Lift Lobby		144	-	-
594 Lift Lobby		144	-	-
594 Lift Lobby		144	-	-
600 Lift Lobby		144	-	-
600 Lift Lobby		144	-	-
600 Lift Lobby		144	-	-
600 Lift Lobby		144	-	-
600 Lift Lobby		144	-	-
601 Circulation		144	-	-
601 Circulation		144	-	-
601 Circulation		144	-	-
601 Circulation		144	-	-
601 Circulation		144	-	-
602 En-Suite		144	-	-
602 En-Suite		144	-	-
602 En-Suite		144	-	-
602 En-Suite		144	-	-
602 En-Suite		144	-	-
603 En-Suite		144	-	-
603 En-Suite		144	-	-
603 En-Suite		144	-	-
603 En-Suite		144	-	-
603 En-Suite		144	-	-
604 En-Suite		144	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m²]
Standard value		95	80	0.3
604 En-Suite		144	-	-
604 En-Suite		144	-	-
604 En-Suite		144	-	-
604 En-Suite		144	-	-
605 En-Suite		144	-	-
605 En-Suite		144	-	-
605 En-Suite		144	-	-
605 En-Suite		144	-	-
605 En-Suite		144	-	-
606 En-Suite		144	-	-
606 En-Suite		144	-	-
606 En-Suite		144	-	-
606 En-Suite		144	-	-
606 En-Suite		144	-	-
607 En-Suite		144	-	-
607 En-Suite		144	-	-
607 En-Suite		144	-	-
607 En-Suite		144	-	-
607 En-Suite		144	-	-
608 En-Suite		144	-	-
608 En-Suite		144	-	-
608 En-Suite		144	-	-
608 En-Suite		144	-	-
608 En-Suite		144	-	-
609 En-Suite		144	-	-
609 En-Suite		144	-	-
609 En-Suite		144	-	-
609 En-Suite		144	-	-
609 En-Suite		144	-	-
610 En-Suite		144	-	-
610 En-Suite		144	-	-
610 En-Suite		144	-	-
610 En-Suite		144	-	-
610 En-Suite		144	-	-
611 En-Suite		144	-	-
611 En-Suite		144	-	-
611 En-Suite		144	-	-
611 En-Suite		144	-	-
611 En-Suite		144	-	-
612 En-Suite		144	-	-
612 En-Suite		144	-	-
612 En-Suite		144	-	-
612 En-Suite		144	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m²]
	Standard value	95	80	0.3
612 En-Suite		144	-	-
613 En-Suite		144	-	-
613 En-Suite		144	-	-
613 En-Suite		144	-	-
613 En-Suite		144	-	-
613 En-Suite		144	-	-
614 En-Suite		144	-	-
614 En-Suite		144	-	-
614 En-Suite		144	-	-
614 En-Suite		144	-	-
614 En-Suite		144	-	-
615 En-Suite		144	-	-
615 En-Suite		144	-	-
615 En-Suite		144	-	-
615 En-Suite		144	-	-
615 En-Suite		144	-	-
616 Accesible En-Suite		144	-	-
616 Accesible En-Suite		144	-	-
616 Accesible En-Suite		144	-	-
616 Accesible En-Suite		144	-	-
616 Accesible En-Suite		144	-	-
617 Aff. Cluster		144	-	-
617 Aff. Cluster		144	-	-
617 Aff. Cluster		144	-	-
617 Aff. Cluster		144	-	-
617 Aff. Cluster		144	-	-
618 Aff. Cluster		144	-	-
618 Aff. Cluster		144	-	-
618 Aff. Cluster		144	-	-
618 Aff. Cluster		144	-	-
618 Aff. Cluster		144	-	-
619 En-Suite		144	-	-
619 En-Suite		144	-	-
619 En-Suite		144	-	-
619 En-Suite		144	-	-
619 En-Suite		144	-	-
620 En-Suite		144	-	-
620 En-Suite		144	-	-
620 En-Suite		144	-	-
620 En-Suite		144	-	-
620 En-Suite		144	-	-
621 En-Suite		144	-	-
621 En-Suite		144	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m²]
	Standard value	95	80	0.3
621 En-Suite		144	-	-
621 En-Suite		144	-	-
621 En-Suite		144	-	-
622 En-Suite		144	-	-
622 En-Suite		144	-	-
622 En-Suite		144	-	-
622 En-Suite		144	-	-
622 En-Suite		144	-	-
623 Aff. Cluster		144	-	-
623 Aff. Cluster		144	-	-
623 Aff. Cluster		144	-	-
623 Aff. Cluster		144	-	-
623 Aff. Cluster		144	-	-
624 Aff. Cluster		144	-	-
624 Aff. Cluster		144	-	-
624 Aff. Cluster		144	-	-
624 Aff. Cluster		144	-	-
624 Aff. Cluster		144	-	-
625 Aff. Cluster		144	-	-
625 Aff. Cluster		144	-	-
625 Aff. Cluster		144	-	-
625 Aff. Cluster		144	-	-
625 Aff. Cluster		144	-	-
626 En-Suite		144	-	-
626 En-Suite		144	-	-
626 En-Suite		144	-	-
626 En-Suite		144	-	-
626 En-Suite		144	-	-
627 En-Suite		144	-	-
627 En-Suite		144	-	-
627 En-Suite		144	-	-
627 En-Suite		144	-	-
627 En-Suite		144	-	-
628 En-Suite		144	-	-
628 En-Suite		144	-	-
628 En-Suite		144	-	-
628 En-Suite		144	-	-
628 En-Suite		144	-	-
629 En-Suite		144	-	-
629 En-Suite		144	-	-
629 En-Suite		144	-	-
629 En-Suite		144	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m ²]
	Standard value	95	80	0.3
630 Aff. Cluster		144	-	-
630 Aff. Cluster		144	-	-
630 Aff. Cluster		144	-	-
630 Aff. Cluster		144	-	-
630 Aff. Cluster		144	-	-
631 En-Suite		144	-	-
631 En-Suite		144	-	-
631 En-Suite		144	-	-
631 En-Suite		144	-	-
631 En-Suite		144	-	-
632 Circulation		144	-	-
632 Circulation		144	-	-
632 Circulation		144	-	-
632 Circulation		144	-	-
632 Circulation		144	-	-
633 Circulation		144	-	-
633 Circulation		144	-	-
633 Circulation		144	-	-
633 Circulation		144	-	-
633 Circulation		144	-	-
634 Acc. Cluster		144	-	-
634 Acc. Cluster		144	-	-
634 Acc. Cluster		144	-	-
634 Acc. Cluster		144	-	-
634 Acc. Cluster		144	-	-
635 Circulation		144	-	-
635 Circulation		144	-	-
635 Circulation		144	-	-
635 Circulation		144	-	-
635 Circulation		144	-	-
636 Store		144	-	-
636 Store		144	-	-
636 Store		144	-	-
636 Store		144	-	-
636 Store		144	-	-
636 Store		144	-	-
637 Lift Lobby		144	-	-
637 Lift Lobby		144	-	-
637 Lift Lobby		144	-	-
637 Lift Lobby		144	-	-
637 Lift Lobby		144	-	-
637 Lift Lobby		144	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m ²]
	Standard value	95	80	0.3
638 En-Suite		144	-	-
638 En-Suite		144	-	-
638 En-Suite		144	-	-
638 En-Suite		144	-	-
638 En-Suite		144	-	-
639 En-Suite		144	-	-
639 En-Suite		144	-	-
639 En-Suite		144	-	-
639 En-Suite		144	-	-
639 En-Suite		144	-	-
640 En-Suite		144	-	-
640 En-Suite		144	-	-
640 En-Suite		144	-	-
640 En-Suite		144	-	-
640 En-Suite		144	-	-
641 En-Suite		144	-	-
641 En-Suite		144	-	-
641 En-Suite		144	-	-
641 En-Suite		144	-	-
641 En-Suite		144	-	-
642 En-Suite		144	-	-
642 En-Suite		144	-	-
642 En-Suite		144	-	-
642 En-Suite		144	-	-
642 En-Suite		144	-	-
643 En-Suite		144	-	-
643 En-Suite		144	-	-
643 En-Suite		144	-	-
643 En-Suite		144	-	-
643 En-Suite		144	-	-
644 En-Suite		144	-	-
644 En-Suite		144	-	-
644 En-Suite		144	-	-
644 En-Suite		144	-	-
644 En-Suite		144	-	-
646 Studio		144	-	-
646 Studio		144	-	-
646 Studio		144	-	-
646 Studio		144	-	-
646 Studio		144	-	-
647 Studio		144	-	-
647 Studio		144	-	-
647 Studio		144	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m ²]
	Standard value	95	80	0.3
647 Studio		144	-	-
647 Studio		144	-	-
648 En-Suite		144	-	-
648 En-Suite		144	-	-
648 En-Suite		144	-	-
648 En-Suite		144	-	-
648 En-Suite		144	-	-
649 Cluster		144	-	-
649 Cluster		144	-	-
649 Cluster		144	-	-
649 Cluster		144	-	-
649 Cluster		144	-	-
650 Kitchen		144	-	-
650 Kitchen		144	-	-
650 Kitchen		144	-	-
650 Kitchen		144	-	-
650 Kitchen		144	-	-
905 Kitchen		144	-	-
905 Kitchen		144	-	-
905 Kitchen		144	-	-
905 Kitchen		144	-	-
905 Kitchen		144	-	-
911 Circulation		144	-	-
911 Circulation		144	-	-
911 Circulation		144	-	-
911 Circulation		144	-	-
911 Circulation		144	-	-
911 Circulation		144	-	-
914 Stair		144	-	-
914 Stair		144	-	-
914 Stair		144	-	-
914 Stair		144	-	-
914 Stair		144	-	-
914 Stair		144	-	-
916 Store		144	-	-
916 Store		144	-	-
916 Store		144	-	-
916 Store		144	-	-
916 Store		144	-	-
916 Store		144	-	-
918 Circulation		144	-	-
918 Circulation		144	-	-
918 Circulation		144	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m ²]
	Standard value	95	80	0.3
918	Circulation	144	-	-
919	Kitchen	144	-	-
919	Kitchen	144	-	-
919	Kitchen	144	-	-
919	Kitchen	144	-	-
919	Kitchen	144	-	-
920	Kitchen	144	-	-
920	Kitchen	144	-	-
920	Kitchen	144	-	-
920	Kitchen	144	-	-
920	Kitchen	144	-	-
921	Kitchen	144	-	-
921	Kitchen	144	-	-
921	Kitchen	144	-	-
921	Kitchen	144	-	-
921	Kitchen	144	-	-
922	Circulation	144	-	-
922	Circulation	144	-	-
922	Circulation	144	-	-
922	Circulation	144	-	-
922	Circulation	144	-	-
923	Circulation	144	-	-
923	Circulation	144	-	-
923	Circulation	144	-	-
923	Circulation	144	-	-
923	Circulation	144	-	-
924	Stair	144	-	-
924	Stair	144	-	-
924	Stair	144	-	-
924	Stair	144	-	-
924	Stair	144	-	-
924	Stair	144	-	-
925	Circulation	144	-	-
925	Circulation	144	-	-
925	Circulation	144	-	-
925	Circulation	144	-	-
925	Circulation	144	-	-
926	Studio	144	-	-
926	Studio	144	-	-
926	Studio	144	-	-
926	Studio	144	-	-
926	Studio	144	-	-
927	En-Suite	144	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m ²]
	Standard value	95	80	0.3
927 En-Suite		144	-	-
927 En-Suite		144	-	-
927 En-Suite		144	-	-
927 En-Suite		144	-	-
928 Stair		144	-	-
928 Stair		144	-	-
928 Stair		144	-	-
928 Stair		144	-	-
928 Stair		144	-	-
929 Kitchen		144	-	-
929 Kitchen		144	-	-
929 Kitchen		144	-	-
929 Kitchen		144	-	-
929 Kitchen		144	-	-
930 Circulation		144	-	-
930 Circulation		144	-	-
930 Circulation		144	-	-
930 Circulation		144	-	-
930 Circulation		144	-	-
931 Acc. Cluster-En Suite		144	-	-
931 Acc. Cluster-En Suite		144	-	-
931 Acc. Cluster-En Suite		144	-	-
931 Acc. Cluster-En Suite		144	-	-
931 Acc. Cluster-En Suite		144	-	-
932 Acc. Cluster		144	-	-
932 Acc. Cluster		144	-	-
932 Acc. Cluster		144	-	-
932 Acc. Cluster		144	-	-
932 Acc. Cluster		144	-	-
933 Stair		144	-	-
933 Stair		144	-	-
933 Stair		144	-	-
933 Stair		144	-	-
933 Stair		144	-	-
934 Lift Lobby		144	-	-
934 Lift Lobby		144	-	-
934 Lift Lobby		144	-	-
934 Lift Lobby		144	-	-
934 Lift Lobby		144	-	-
935 Circulation		144	-	-
935 Circulation		144	-	-
935 Circulation		144	-	-
935 Circulation		144	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m ²]
	Standard value	95	80	0.3
935	Circulation	144	-	-
936	Circulation	144	-	-
936	Circulation	144	-	-
936	Circulation	144	-	-
936	Circulation	144	-	-
936	Circulation	144	-	-
937	Circulation	144	-	-
937	Circulation	144	-	-
937	Circulation	144	-	-
937	Circulation	144	-	-
938	Circulation	144	-	-
938	Circulation	144	-	-
938	Circulation	144	-	-
938	Circulation	144	-	-
938	Circulation	144	-	-
939	Circulation	144	-	-
939	Circulation	144	-	-
939	Circulation	144	-	-
939	Circulation	144	-	-
940	Lift Lobby	144	-	-
940	Lift Lobby	144	-	-
940	Lift Lobby	144	-	-
940	Lift Lobby	144	-	-
940	Lift Lobby	144	-	-
941	Circulation	144	-	-
941	Circulation	144	-	-
941	Circulation	144	-	-
941	Circulation	144	-	-
946	Circulation	144	-	-
946	Circulation	144	-	-
946	Circulation	144	-	-
946	Circulation	144	-	-
946	Circulation	144	-	-
947	Circulation	144	-	-
947	Circulation	144	-	-
947	Circulation	144	-	-
947	Circulation	144	-	-
947	Circulation	144	-	-
948	Support	144	-	-
948	Support	144	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m ²]
	Standard value	95	80	0.3
948 Support		144	-	-
948 Support		144	-	-
948 Support		144	-	-
949 Aff. Cluster		144	-	-
949 Aff. Cluster		144	-	-
949 Aff. Cluster		144	-	-
949 Aff. Cluster		144	-	-
949 Aff. Cluster		144	-	-
951 En-Suite		144	-	-
951 En-Suite		144	-	-
951 En-Suite		144	-	-
951 En-Suite		144	-	-
951 En-Suite		144	-	-
954 En-Suite		144	-	-
954 En-Suite		144	-	-
954 En-Suite		144	-	-
954 En-Suite		144	-	-
954 En-Suite		144	-	-
955 Circulation		144	-	-
955 Circulation		144	-	-
955 Circulation		144	-	-
955 Circulation		144	-	-
955 Circulation		144	-	-
960 En-Suite		144	-	-
960 En-Suite		144	-	-
960 En-Suite		144	-	-
960 En-Suite		144	-	-
960 En-Suite		144	-	-
961 Cluster		144	-	-
961 Cluster		144	-	-
961 Cluster		144	-	-
961 Cluster		144	-	-
961 Cluster		144	-	-
962 En-Suite		144	-	-
962 En-Suite		144	-	-
962 En-Suite		144	-	-
962 En-Suite		144	-	-
962 En-Suite		144	-	-
965 En-Suite		144	-	-
965 En-Suite		144	-	-
965 En-Suite		144	-	-
965 En-Suite		144	-	-
965 En-Suite		144	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m ²]
	Standard value	95	80	0.3
967 En-Suite		144	-	-
967 En-Suite		144	-	-
967 En-Suite		144	-	-
967 En-Suite		144	-	-
967 En-Suite		144	-	-
975 Aff. Cluster		144	-	-
975 Aff. Cluster		144	-	-
975 Aff. Cluster		144	-	-
975 Aff. Cluster		144	-	-
975 Aff. Cluster		144	-	-
976 En-Suite		144	-	-
976 En-Suite		144	-	-
976 En-Suite		144	-	-
976 En-Suite		144	-	-
976 En-Suite		144	-	-
977 En-Suite		144	-	-
977 En-Suite		144	-	-
977 En-Suite		144	-	-
977 En-Suite		144	-	-
977 En-Suite		144	-	-
978 En-Suite		144	-	-
978 En-Suite		144	-	-
978 En-Suite		144	-	-
978 En-Suite		144	-	-
978 En-Suite		144	-	-
979 En-Suite		144	-	-
979 En-Suite		144	-	-
979 En-Suite		144	-	-
979 En-Suite		144	-	-
979 En-Suite		144	-	-
980 En-Suite		144	-	-
980 En-Suite		144	-	-
980 En-Suite		144	-	-
980 En-Suite		144	-	-
980 En-Suite		144	-	-
981 En-Suite		144	-	-
981 En-Suite		144	-	-
981 En-Suite		144	-	-
981 En-Suite		144	-	-
981 En-Suite		144	-	-
982 Cluster		144	-	-
982 Cluster		144	-	-
982 Cluster		144	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m ²]
	Standard value	95	80	0.3
982 Cluster		144	-	-
982 Cluster		144	-	-
984 En-Suite		144	-	-
984 En-Suite		144	-	-
984 En-Suite		144	-	-
984 En-Suite		144	-	-
984 En-Suite		144	-	-
989 En-Suite		144	-	-
989 En-Suite		144	-	-
989 En-Suite		144	-	-
989 En-Suite		144	-	-
989 En-Suite		144	-	-
991 En-Suite		144	-	-
991 En-Suite		144	-	-
991 En-Suite		144	-	-
991 En-Suite		144	-	-
991 En-Suite		144	-	-
992 En-Suite		144	-	-
992 En-Suite		144	-	-
992 En-Suite		144	-	-
992 En-Suite		144	-	-
992 En-Suite		144	-	-
993 En-Suite		144	-	-
993 En-Suite		144	-	-
993 En-Suite		144	-	-
993 En-Suite		144	-	-
993 En-Suite		144	-	-
994 Cluster		144	-	-
994 Cluster		144	-	-
994 Cluster		144	-	-
994 Cluster		144	-	-
994 Cluster		144	-	-
996 En-Suite		144	-	-
996 En-Suite		144	-	-
996 En-Suite		144	-	-
996 En-Suite		144	-	-
996 En-Suite		144	-	-
998 En-Suite		144	-	-
998 En-Suite		144	-	-
998 En-Suite		144	-	-
998 En-Suite		144	-	-
998 En-Suite		144	-	-
1000 En-Suite		144	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m ²]
	Standard value	95	80	0.3
1000 En-Suite		144	-	-
1000 En-Suite		144	-	-
1000 En-Suite		144	-	-
1000 En-Suite		144	-	-
1004 En-Suite		144	-	-
1004 En-Suite		144	-	-
1004 En-Suite		144	-	-
1004 En-Suite		144	-	-
1004 En-Suite		144	-	-
1006 En-Suite		144	-	-
1006 En-Suite		144	-	-
1006 En-Suite		144	-	-
1006 En-Suite		144	-	-
1006 En-Suite		144	-	-
1007 En-Suite		144	-	-
1007 En-Suite		144	-	-
1007 En-Suite		144	-	-
1007 En-Suite		144	-	-
1007 En-Suite		144	-	-
1008 Cluster		144	-	-
1008 Cluster		144	-	-
1008 Cluster		144	-	-
1008 Cluster		144	-	-
1008 Cluster		144	-	-
1010 En-Suite		144	-	-
1010 En-Suite		144	-	-
1010 En-Suite		144	-	-
1010 En-Suite		144	-	-
1010 En-Suite		144	-	-
1011 En-Suite		144	-	-
1011 En-Suite		144	-	-
1011 En-Suite		144	-	-
1011 En-Suite		144	-	-
1011 En-Suite		144	-	-
1015 Cluster		144	-	-
1015 Cluster		144	-	-
1015 Cluster		144	-	-
1015 Cluster		144	-	-
1015 Cluster		144	-	-
1016 En-Suite		144	-	-
1016 En-Suite		144	-	-
1016 En-Suite		144	-	-
1016 En-Suite		144	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m ²]
	Standard value	95	80	0.3
1016 En-Suite		144	-	-
1017 En-Suite		144	-	-
1017 En-Suite		144	-	-
1017 En-Suite		144	-	-
1017 En-Suite		144	-	-
1017 En-Suite		144	-	-
1018 Acc. Cluster		144	-	-
1018 Acc. Cluster		144	-	-
1018 Acc. Cluster		144	-	-
1018 Acc. Cluster		144	-	-
1018 Acc. Cluster		144	-	-
1019 Acc. Cluster-En Suite		144	-	-
1019 Acc. Cluster-En Suite		144	-	-
1019 Acc. Cluster-En Suite		144	-	-
1019 Acc. Cluster-En Suite		144	-	-
1019 Acc. Cluster-En Suite		144	-	-
1021 Circulation		144	-	-
1021 Circulation		144	-	-
1021 Circulation		144	-	-
1021 Circulation		144	-	-
1022 Kitchen		144	-	-
1022 Kitchen		144	-	-
1022 Kitchen		144	-	-
1022 Kitchen		144	-	-
1025 Lift Lobby		144	-	-
1025 Lift Lobby		144	-	-
1025 Lift Lobby		144	-	-
1025 Lift Lobby		144	-	-
1025 Lift Lobby		144	-	-
1025 Lift Lobby		144	-	-
1026 Cluster		144	-	-
1026 Cluster		144	-	-
1026 Cluster		144	-	-
1026 Cluster		144	-	-
1026 Main Gym Area		144	-	-
1026 Studio 3		144	-	-
1034 En-Suite		144	-	-
1034 En-Suite		144	-	-
1034 En-Suite		144	-	-
1034 En-Suite		144	-	-
1037 En-Suite		144	-	-
1037 En-Suite		144	-	-
1037 En-Suite		144	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m ²]
	Standard value	95	80	0.3
1037 En-Suite		144	-	-
1039 Cluster		144	-	-
1039 Cluster		144	-	-
1039 Cluster		144	-	-
1039 Cluster		144	-	-
1039 ACC WC		144	-	-
1039 Store		144	-	-
1039 Studio 4		144	-	-
1040 En-Suite		144	-	-
1040 En-Suite		144	-	-
1040 En-Suite		144	-	-
1040 En-Suite		144	-	-
1041 En-Suite		144	-	-
1041 En-Suite		144	-	-
1041 En-Suite		144	-	-
1041 En-Suite		144	-	-
1042 En-Suite		144	-	-
1042 En-Suite		144	-	-
1042 En-Suite		144	-	-
1042 En-Suite		144	-	-
1043 En-Suite		144	-	-
1043 En-Suite		144	-	-
1043 En-Suite		144	-	-
1043 En-Suite		144	-	-
1044 En-Suite		144	-	-
1044 En-Suite		144	-	-
1044 En-Suite		144	-	-
1044 En-Suite		144	-	-
1045 Store		144	-	-
1045 Store		144	-	-
1045 Store		144	-	-
1045 Store		144	-	-
1045 Store		144	-	-
1046 Circulation		144	-	-
1046 Circulation		144	-	-
1046 Circulation		144	-	-
1046 Circulation		144	-	-
1046 Circulation		144	-	-
1046 Circulation		144	-	-
1047 Circulation		144	-	-
1047 Circulation		144	-	-
1047 Circulation		144	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m ²]
	Standard value	95	80	0.3
1047	Circulation	144	-	-
1047	Circulation	144	-	-
1048	Circulation	144	-	-
1048	Circulation	144	-	-
1048	Circulation	144	-	-
1048	Circulation	144	-	-
1048	Circulation	144	-	-
1050	En-Suite	144	-	-
1050	En-Suite	144	-	-
1050	En-Suite	144	-	-
1050	En-Suite	144	-	-
1050	En-Suite	144	-	-
1051	Acc. Cluster	144	-	-
1051	Acc. Cluster	144	-	-
1051	Acc. Cluster	144	-	-
1051	Acc. Cluster	144	-	-
1051	Acc. Cluster	144	-	-
1052	Studio	144	-	-
1052	Studio	144	-	-
1052	Studio	144	-	-
1052	Studio	144	-	-
1053	En-Suite	144	-	-
1053	En-Suite	144	-	-
1053	En-Suite	144	-	-
1053	En-Suite	144	-	-
1054	En-Suite	144	-	-
1054	En-Suite	144	-	-
1054	En-Suite	144	-	-
1054	En-Suite	144	-	-
1055	Studio	144	-	-
1055	Studio	144	-	-
1055	Studio	144	-	-
1055	Studio	144	-	-
1055	ACC WC	144	-	-
1055	Sky Lounge	144	-	-
1057	Lift Lobby	144	-	-
1057	Lift Lobby	144	-	-
1057	Lift Lobby	144	-	-
1057	Lift Lobby	144	-	-
1057	Lift Lobby	144	-	-
1057	Lift Lobby	144	-	-
1058	Kitchen	144	-	-
1058	Kitchen	144	-	-

[illegible]

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m²]
Standard value		95	80	0.3
2207	Lift Lobby	144	-	-
2207	Lift Lobby	144	-	-
2207	Lift Lobby	144	-	-
2207	Lift Lobby	144	-	-
2207	Lift Lobby	144	-	-
2207	Lift Lobby	144	-	-
2207	Lift Lobby	144	-	-
2213	Lift Lobby	144	-	-
2213	Lift Lobby	144	-	-
2213	Lift Lobby	144	-	-
2213	Lift Lobby	144	-	-
2213	Lift Lobby	144	-	-
2213	Lift Lobby	144	-	-
2213	Lift Lobby	144	-	-
2213	Lift Lobby	144	-	-
2213	Lift Lobby	144	-	-
2213	Lift Lobby	144	-	-
2213	Lift Lobby	144	-	-
2213	Lift Lobby	144	-	-
2213	Lift Lobby	144	-	-
2213	Lift Lobby	144	-	-
2213	Lift Lobby	144	-	-
2213	Lift Lobby	144	-	-
2213	Lift Lobby	144	-	-
2213	Lift Lobby	144	-	-
2213	Lift Lobby	144	-	-
2213	Lift Lobby	144	-	-
2213	Lift Lobby	144	-	-
2214	PG Cluster	144	-	-
2214	PG Cluster	144	-	-
2214	PG Cluster	144	-	-
2214	PG Cluster	144	-	-
2214	PG Cluster	144	-	-
2214	PG Cluster	144	-	-
2214	PG Cluster	144	-	-
2214	PG Cluster	144	-	-
2214	PG Cluster	144	-	-
2214	PG Cluster	144	-	-
2214	PG Cluster	144	-	-
2214	PG Cluster	144	-	-
2214	PG Cluster	144	-	-
2214	PG Cluster	144	-	-
2214	PG Cluster	144	-	-
2214	PG Cluster	144	-	-
2214	PG Cluster	144	-	-
2214	PG Cluster	144	-	-
2219	En-Suite	144	-	-
2219	En-Suite	144	-	-

[illegible]

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m²]
Standard value		95	80	0.3
2223 En-Suite		144	-	-
2223 En-Suite		144	-	-
2223 En-Suite		144	-	-
2223 En-Suite		144	-	-
2223 En-Suite		144	-	-
2223 En-Suite		144	-	-
2227 PG Cluster		144	-	-
2227 PG Cluster		144	-	-
2227 PG Cluster		144	-	-
2227 PG Cluster		144	-	-
2227 PG Cluster		144	-	-
2227 PG Cluster		144	-	-
2227 PG Cluster		144	-	-
2227 PG Cluster		144	-	-
2227 PG Cluster		144	-	-
2227 PG Cluster		144	-	-
2227 PG Cluster		144	-	-
2227 PG Cluster		144	-	-
2227 PG Cluster		144	-	-
2227 PG Cluster		144	-	-
2227 PG Cluster		144	-	-
2227 PG Cluster		144	-	-
2227 PG Cluster		144	-	-
2227 PG Cluster		144	-	-
2227 PG Cluster		144	-	-
2227 PG Cluster		144	-	-
2227 PG Cluster		144	-	-
2228 PG Cluster		144	-	-
2228 PG Cluster		144	-	-
2228 PG Cluster		144	-	-
2228 PG Cluster		144	-	-
2228 PG Cluster		144	-	-
2228 PG Cluster		144	-	-
2228 PG Cluster		144	-	-
2228 PG Cluster		144	-	-
2228 PG Cluster		144	-	-
2228 PG Cluster		144	-	-
2228 PG Cluster		144	-	-
2228 PG Cluster		144	-	-
2228 PG Cluster		144	-	-
2228 PG Cluster		144	-	-
2228 PG Cluster		144	-	-
2228 PG Cluster		144	-	-
2228 PG Cluster		144	-	-
2228 PG Cluster		144	-	-
2232 En-Suite		144	-	-
2232 En-Suite		144	-	-
2232 En-Suite		144	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m ²]
	Standard value	95	80	0.3
2238	Circulation	144	-	-
2238	Circulation	144	-	-
2238	Circulation	144	-	-
2238	Circulation	144	-	-
2238	Circulation	144	-	-
2238	Circulation	144	-	-
2238	Circulation	144	-	-
2238	Circulation	144	-	-
2238	Circulation	144	-	-
2238	Circulation	144	-	-
2238	Circulation	144	-	-
2238	Circulation	144	-	-
2239	PG Kitchen	144	-	-
2239	PG Kitchen	144	-	-
2239	PG Kitchen	144	-	-
2239	PG Kitchen	144	-	-
2239	PG Kitchen	144	-	-
2239	PG Kitchen	144	-	-
2239	PG Kitchen	144	-	-
2239	PG Kitchen	144	-	-
2239	PG Kitchen	144	-	-
2239	PG Kitchen	144	-	-
2239	PG Kitchen	144	-	-
2239	PG Kitchen	144	-	-
2239	PG Kitchen	144	-	-
2239	PG Kitchen	144	-	-
2239	PG Kitchen	144	-	-
2239	PG Kitchen	144	-	-
2239	PG Kitchen	144	-	-
2239	PG Kitchen	144	-	-
2239	PG Kitchen	144	-	-
2240	Store	144	-	-
2240	Store	144	-	-
2240	Store	144	-	-
2240	Store	144	-	-
2240	Store	144	-	-
2240	Store	144	-	-
2240	Store	144	-	-
2240	Store	144	-	-
2240	Store	144	-	-
2240	Store	144	-	-
2240	Store	144	-	-
2240	Store	144	-	-
2240	Store	144	-	-
2240	Store	144	-	-

[illegible]

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
0083 Movie Room	N/A	N/A
0084 Movie Room	N/A	N/A
110 Silent Study	NO (-15.6%)	NO
133 Cluster	NO (-61.3%)	NO
143 Community	NO (-53.3%)	NO
144 Library Study	NO (-30.4%)	NO
157 Aff. Cluster	NO (-50.1%)	NO
159 Aff. Cluster	NO (-81.9%)	NO
167 Cluster	NO (-65.6%)	NO
168 Cluster	NO (-68.1%)	NO
171 Cluster	NO (-90.9%)	NO
197 Study Lounge	NO (-37.8%)	NO
198 Group Study	NO (-40.3%)	NO
199 Group Study	NO (-70.8%)	NO
201 Study Breakout	NO (-74.1%)	NO
202 Silent Study	NO (-71.1%)	NO
203 Group Study	N/A	N/A
204 Group Study	NO (-67.7%)	NO
205 Group Study	NO (-70.6%)	NO
206 Group Study	N/A	N/A
207 Marketplace Cafe	NO (-71.7%)	NO
210 Movie Room	NO (-52%)	NO
211 Study Room	N/A	N/A
215 Accessible Cluster	NO (-56.3%)	NO
216 Study Room	N/A	N/A
217 Study Room	NO (-71.2%)	NO
218 Group Study	NO (-59.6%)	NO
239 Games	NO (-57.9%)	NO
240 Lounge	NO (-41.9%)	NO
241 Club Lounge	NO (-55.6%)	NO
242 Social Lounge	NO (-41.6%)	NO
243 Waiting Lounge	NO (-54.8%)	NO
244 Study Lounge	NO (-77.4%)	NO
441 Aff. Cluster	NO (-47%)	NO
441 Aff. Cluster	NO (-47.1%)	NO
441 Aff. Cluster	NO (-47%)	NO
441 Aff. Cluster	NO (-46.7%)	NO
441 Aff. Cluster	NO (-47%)	NO
451 Aff. Cluster	N/A	N/A
451 Aff. Cluster	N/A	N/A
451 Aff. Cluster	N/A	N/A
451 Aff. Cluster	N/A	N/A
451 Aff. Cluster	N/A	N/A
453 Aff. Cluster	N/A	N/A
453 Aff. Cluster	N/A	N/A
453 Aff. Cluster	N/A	N/A
453 Aff. Cluster	N/A	N/A
453 Aff. Cluster	N/A	N/A
454 Aff. Cluster	NO (-81.9%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
454 Aff. Cluster	NO (-81.9%)	NO
454 Aff. Cluster	NO (-81.9%)	NO
454 Aff. Cluster	NO (-81.9%)	NO
454 Aff. Cluster	NO (-81.9%)	NO
456 Cluster	NO (-67%)	NO
456 Cluster	NO (-66.8%)	NO
456 Cluster	NO (-66.7%)	NO
456 Cluster	NO (-67%)	NO
456 Cluster	NO (-66.9%)	NO
468 Cluster	NO (-90.8%)	NO
468 Cluster	NO (-50%)	NO
468 Cluster	NO (-49.7%)	NO
468 Cluster	NO (-50.3%)	NO
468 Cluster	NO (-49.4%)	NO
477 Cluster	NO (-47.5%)	NO
477 Cluster	NO (-47.5%)	NO
477 Cluster	NO (-47.5%)	NO
477 Cluster	NO (-47.5%)	NO
477 Cluster	NO (-47.4%)	NO
479 Acc. Cluster	NO (-58.4%)	NO
479 Acc. Cluster	NO (-58.4%)	NO
479 Acc. Cluster	NO (-58.4%)	NO
479 Acc. Cluster	NO (-58.4%)	NO
479 Acc. Cluster	NO (-58.4%)	NO
481 Cluster	N/A	N/A
481 Cluster	N/A	N/A
481 Cluster	N/A	N/A
481 Cluster	N/A	N/A
481 Cluster	N/A	N/A
483 Cluster	N/A	N/A
483 Cluster	N/A	N/A
483 Cluster	N/A	N/A
483 Cluster	N/A	N/A
483 Cluster	N/A	N/A
498 Aff. Cluster	NO (-56.9%)	NO
498 Aff. Cluster	NO (-56.9%)	NO
498 Aff. Cluster	NO (-56.8%)	NO
498 Aff. Cluster	NO (-56.9%)	NO
498 Aff. Cluster	NO (-56.9%)	NO
499 Aff. Cluster	NO (-65.1%)	NO
499 Aff. Cluster	NO (-73.3%)	NO
499 Aff. Cluster	NO (-62.8%)	NO
499 Aff. Cluster	NO (-69.4%)	NO
499 Aff. Cluster	NO (-58.5%)	NO
508 Cluster	N/A	N/A
508 Cluster	N/A	N/A
508 Cluster	N/A	N/A
508 Cluster	N/A	N/A
508 Cluster	N/A	N/A

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
510 Cluster	N/A	N/A
510 Cluster	N/A	N/A
510 Cluster	N/A	N/A
510 Cluster	N/A	N/A
510 Cluster	N/A	N/A
512 Aff. Cluster	NO (-82.9%)	NO
512 Aff. Cluster	NO (-80.2%)	NO
512 Aff. Cluster	NO (-85.9%)	NO
512 Aff. Cluster	NO (-84.9%)	NO
512 Aff. Cluster	NO (-86.5%)	NO
524 Accesible Aff. Cluster	NO (-37.9%)	NO
524 Accesible Aff. Cluster	NO (-37.8%)	NO
524 Accesible Aff. Cluster	NO (-37.9%)	NO
524 Accesible Aff. Cluster	NO (-37.9%)	NO
524 Accesible Aff. Cluster	NO (-37.9%)	NO
538 Accesible Aff. Cluster	N/A	N/A
538 Accesible Aff. Cluster	N/A	N/A
538 Accesible Aff. Cluster	N/A	N/A
538 Accesible Aff. Cluster	N/A	N/A
538 Accesible Aff. Cluster	N/A	N/A
541 Aff. Cluster	N/A	N/A
541 Aff. Cluster	N/A	N/A
541 Aff. Cluster	N/A	N/A
541 Aff. Cluster	N/A	N/A
541 Aff. Cluster	N/A	N/A
563 Aff. Cluster	N/A	N/A
563 Aff. Cluster	N/A	N/A
563 Aff. Cluster	N/A	N/A
563 Aff. Cluster	N/A	N/A
563 Aff. Cluster	N/A	N/A
564 Aff. Cluster	N/A	N/A
564 Aff. Cluster	N/A	N/A
564 Aff. Cluster	N/A	N/A
564 Aff. Cluster	N/A	N/A
564 Aff. Cluster	N/A	N/A
566 Aff. Cluster	N/A	N/A
566 Aff. Cluster	N/A	N/A
566 Aff. Cluster	N/A	N/A
566 Aff. Cluster	N/A	N/A
566 Aff. Cluster	N/A	N/A
568 Aff. Cluster	N/A	N/A
568 Aff. Cluster	N/A	N/A
568 Aff. Cluster	N/A	N/A
568 Aff. Cluster	N/A	N/A
568 Aff. Cluster	N/A	N/A
574 Aff. Cluster	NO (-77.4%)	NO
574 Aff. Cluster	NO (-82.3%)	NO
574 Aff. Cluster	NO (-84.4%)	NO
574 Aff. Cluster	NO (-80.6%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
574 Aff. Cluster	NO (-83%)	NO
575 Aff. Cluster	N/A	N/A
575 Aff. Cluster	N/A	N/A
575 Aff. Cluster	N/A	N/A
575 Aff. Cluster	N/A	N/A
575 Aff. Cluster	N/A	N/A
580 Acc. Cluster	N/A	N/A
580 Acc. Cluster	N/A	N/A
580 Acc. Cluster	N/A	N/A
580 Acc. Cluster	N/A	N/A
580 Acc. Cluster	N/A	N/A
581 Support	N/A	N/A
581 Support	N/A	N/A
581 Support	N/A	N/A
581 Support	N/A	N/A
581 Support	N/A	N/A
584 Acc. Cluster	NO (-80.9%)	NO
584 Acc. Cluster	NO (-82.5%)	NO
584 Acc. Cluster	NO (-83.5%)	NO
584 Acc. Cluster	NO (-85%)	NO
584 Acc. Cluster	NO (-82.8%)	NO
589 Cluster	NO (-73.9%)	NO
589 Cluster	NO (-71.5%)	NO
589 Cluster	NO (-63.5%)	NO
589 Cluster	NO (-68.8%)	NO
589 Cluster	NO (-67%)	NO
617 Aff. Cluster	N/A	N/A
617 Aff. Cluster	N/A	N/A
617 Aff. Cluster	N/A	N/A
617 Aff. Cluster	N/A	N/A
617 Aff. Cluster	N/A	N/A
618 Aff. Cluster	N/A	N/A
618 Aff. Cluster	N/A	N/A
618 Aff. Cluster	N/A	N/A
618 Aff. Cluster	N/A	N/A
618 Aff. Cluster	N/A	N/A
623 Aff. Cluster	N/A	N/A
623 Aff. Cluster	N/A	N/A
623 Aff. Cluster	N/A	N/A
623 Aff. Cluster	N/A	N/A
623 Aff. Cluster	N/A	N/A
624 Aff. Cluster	N/A	N/A
624 Aff. Cluster	N/A	N/A
624 Aff. Cluster	N/A	N/A
624 Aff. Cluster	N/A	N/A
624 Aff. Cluster	N/A	N/A
625 Aff. Cluster	N/A	N/A
625 Aff. Cluster	N/A	N/A
625 Aff. Cluster	N/A	N/A

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
625 Aff. Cluster	N/A	N/A
625 Aff. Cluster	N/A	N/A
630 Aff. Cluster	N/A	N/A
630 Aff. Cluster	N/A	N/A
630 Aff. Cluster	N/A	N/A
630 Aff. Cluster	N/A	N/A
630 Aff. Cluster	N/A	N/A
634 Acc. Cluster	NO (-61.2%)	NO
634 Acc. Cluster	NO (-61.3%)	NO
634 Acc. Cluster	NO (-61.4%)	NO
634 Acc. Cluster	NO (-61.4%)	NO
634 Acc. Cluster	NO (-61.3%)	NO
646 Studio	NO (-73.8%)	NO
646 Studio	NO (-80%)	NO
646 Studio	NO (-66.3%)	NO
646 Studio	NO (-81.6%)	NO
646 Studio	NO (-76.7%)	NO
647 Studio	N/A	N/A
647 Studio	N/A	N/A
647 Studio	N/A	N/A
647 Studio	N/A	N/A
647 Studio	N/A	N/A
649 Cluster	NO (-66.2%)	NO
649 Cluster	NO (-60.8%)	NO
649 Cluster	NO (-54.6%)	NO
649 Cluster	NO (-74%)	NO
649 Cluster	NO (-70.4%)	NO
926 Studio	NO (-19.6%)	NO
926 Studio	NO (-17.1%)	NO
926 Studio	NO (-21.2%)	NO
926 Studio	NO (-15.5%)	NO
926 Studio	NO (-24.8%)	NO
932 Acc. Cluster	NO (-58.4%)	NO
932 Acc. Cluster	NO (-58.4%)	NO
932 Acc. Cluster	NO (-58.4%)	NO
932 Acc. Cluster	NO (-58.4%)	NO
932 Acc. Cluster	NO (-58.4%)	NO
948 Support	N/A	N/A
948 Support	N/A	N/A
948 Support	N/A	N/A
948 Support	N/A	N/A
948 Support	N/A	N/A
949 Aff. Cluster	NO (-53%)	NO
949 Aff. Cluster	NO (-53.9%)	NO
949 Aff. Cluster	NO (-53.8%)	NO
949 Aff. Cluster	NO (-53.9%)	NO
949 Aff. Cluster	NO (-53.7%)	NO
961 Cluster	NO (-48.6%)	NO
961 Cluster	NO (-48.6%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
961 Cluster	NO (-48.6%)	NO
961 Cluster	NO (-48.6%)	NO
961 Cluster	NO (-48.6%)	NO
975 Aff. Cluster	NO (-51.4%)	NO
975 Aff. Cluster	NO (-47.9%)	NO
975 Aff. Cluster	NO (-53.2%)	NO
975 Aff. Cluster	NO (-49.9%)	NO
975 Aff. Cluster	NO (-54.3%)	NO
982 Cluster	NO (-47.5%)	NO
982 Cluster	NO (-47.5%)	NO
982 Cluster	NO (-47.5%)	NO
982 Cluster	NO (-47.5%)	NO
982 Cluster	NO (-47.5%)	NO
994 Cluster	NO (-82.3%)	NO
994 Cluster	NO (-91.2%)	NO
994 Cluster	NO (-47.6%)	NO
994 Cluster	NO (-48.6%)	NO
994 Cluster	NO (-47.1%)	NO
1008 Cluster	NO (-64.7%)	NO
1008 Cluster	NO (-68.1%)	NO
1008 Cluster	NO (-59.3%)	NO
1008 Cluster	NO (-67.2%)	NO
1008 Cluster	NO (-67.8%)	NO
1015 Cluster	NO (-53.9%)	NO
1015 Cluster	NO (-39.5%)	NO
1015 Cluster	NO (-50.7%)	NO
1015 Cluster	NO (-46.1%)	NO
1015 Cluster	NO (-55.9%)	NO
1018 Acc. Cluster	NO (-76.5%)	NO
1018 Acc. Cluster	NO (-77.8%)	NO
1018 Acc. Cluster	NO (-78.2%)	NO
1018 Acc. Cluster	NO (-67.6%)	NO
1018 Acc. Cluster	NO (-74.1%)	NO
1026 Cluster	NO (-48.3%)	NO
1026 Cluster	NO (-48.3%)	NO
1026 Cluster	NO (-48.3%)	NO
1026 Cluster	NO (-48.3%)	NO
1026 Main Gym Area	NO (-58.2%)	NO
1026 Studio 3	NO (-83.1%)	NO
1039 Cluster	NO (-81.9%)	NO
1039 Cluster	NO (-81.2%)	NO
1039 Cluster	NO (-81.6%)	NO
1039 Cluster	NO (-81.8%)	NO
1039 Studio 4	NO (-72.7%)	NO
1051 Acc. Cluster	NO (-58.8%)	NO
1051 Acc. Cluster	NO (-59.1%)	NO
1051 Acc. Cluster	NO (-46.4%)	NO
1051 Acc. Cluster	NO (-58.1%)	NO
1051 Acc. Cluster	NO (-56.4%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
2242 Studio	N/A	N/A

Regulation 25A: Consideration of high efficiency alternative energy systems

Were alternative energy systems considered and analysed as part of the design process?	NO
Is evidence of such assessment available as a separate submission?	NO
Are any such measures included in the proposed design?	NO

Technical Data Sheet (Actual vs. Notional Building)

Building Global Parameters

	Actual	Notional
Floor area [m ²]	33650.5	33650.5
External area [m ²]	24349	22474.8
Weather	MAN	MAN
Infiltration [m ³ /hm ² @ 50Pa]	2	3
Average conductance [W/K]	6047.42	11527.8
Average U-value [W/m ² K]	0.25	0.51
Alpha value* [%]	9.59	10

* 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 Establishments/Takeaways
 Offices and Workshop Businesses
 General Industrial and Special Industrial Groups
 Storage or Distribution
 Hotels
 Residential Institutions: Hospitals and Care Homes
 Residential Institutions: Residential Schools

100 Residential Institutions: Universities and Colleges

Secure Residential Institutions
 Residential Spaces
 Non-residential Institutions: Community/Day Centre
 Non-residential Institutions: Libraries, Museums, and Galleries
 Non-residential Institutions: Education
 Non-residential Institutions: Primary Health Care Building
 Non-residential Institutions: Crown and County 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

Energy Consumption by End Use [kWh/m²]

	Actual	Notional
Heating	28.6	23.59
Cooling	0.24	0.08
Auxiliary	5.7	5.81
Lighting	5.2	8.6
Hot water	5.72	6.67
Equipment*	22.44	22.44
TOTAL **	45.47	44.76

* Energy used by equipment does not count towards the total for consumption or calculating emissions.

** Total is net of any electrical energy displaced by CHP generators, if applicable.

Energy Production by Technology [kWh/m²]

	Actual	Notional
Photovoltaic systems	4.01	1.08
Wind turbines	0	0
CHP generators	0	0
Solar thermal systems	0	0
<i>Displaced electricity</i>	<i>4.01</i>	<i>1.08</i>

Energy & CO₂ Emissions Summary

	Actual	Notional
Heating + cooling demand [MJ/m ²]	96.83	122.7
Primary energy [kWh _{PE} /m ²]	62.6	65.4
Total emissions [kg/m ²]	6.02	6.17

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 SSEFF	Cool SSEER	Heat gen SEFF	Cool gen SEER	
[ST] Central heating using water: radiators, [HS] Direct or storage electric heater, [HFT] Electricity, [CFT] Electricity										
Actual	1.3	0	0.4	0	4.1	0.89	0	1	0	
Notional	10	0	2	0	3.2	1.41	0	----	----	
[ST] Variable refrigerant flow, [HS] ASHP, [HFT] Electricity, [CFT] Electricity										
Actual	22.1	58.2	1.5	3.6	6.2	4.1	4.45	4.3	6.8	
Notional	47.1	20.9	4.7	1.3	13.7	2.78	4.63	----	----	
[ST] Split or multi-split system, [HS] ASHP, [HFT] Electricity, [CFT] Electricity										
Actual	0	0	0	0	0	4.01	4.83	4.3	6.8	
Notional	0	0	0	0	0	2.78	4.63	----	----	
[ST] Central heating using water: radiators, [HS] Direct or storage electric heater, [HFT] Electricity, [CFT] Electricity										
Actual	408	0	127	0	12.8	0.89	0	1	0	
Notional	497.4	0	98	0	15	1.41	0	----	----	
[ST] Central heating using water: radiators, [HS] Direct or storage electric heater, [HFT] Electricity, [CFT] Electricity										
Actual	45.4	0	14.1	0	3.1	0.89	0	1	0	
Notional	65	0	12.8	0	1.8	1.41	0	----	----	

Key to terms

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 (for notional building, value depends on activity glazing class)
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