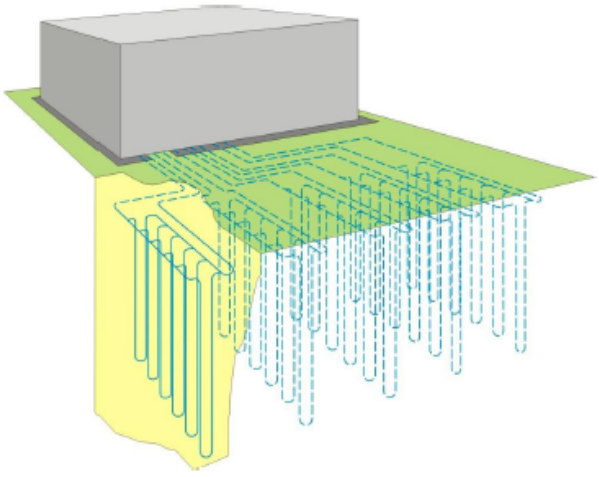
For this development there is no realistic space within the overall development for fuel storage together with the site constraints related to the associated delivery requirements. In addition, there are on-going concerns with regard to the potential impact on local air quality.

For the reasons defined above the use of biomass is not considered viable for the development.

6.06 Ground Source Heating and Cooling

Ground source heating and cooling systems utilises the principle during heating mode of upgrading heat from the ground to a usable temperature and during cooling mode of rejecting heat from the building into the ground. There are two primary methods utilising either open or closed loop systems.



The open loop system extracts water, typically from the chalk aquifer, and uses this water in either the heating or cooling process before rejecting this heat back to the aquifer in a separate borehole. The open loop system requires licence approval from the Environment Agency that typically has a 10-year duration.

The closed loop system dissipates heat to or extracts heat from the ground via pipework circuits that are typically inserted into vertical boreholes. These generally do not require Environment Agency licences as no extraction of water from the aquifer takes place.

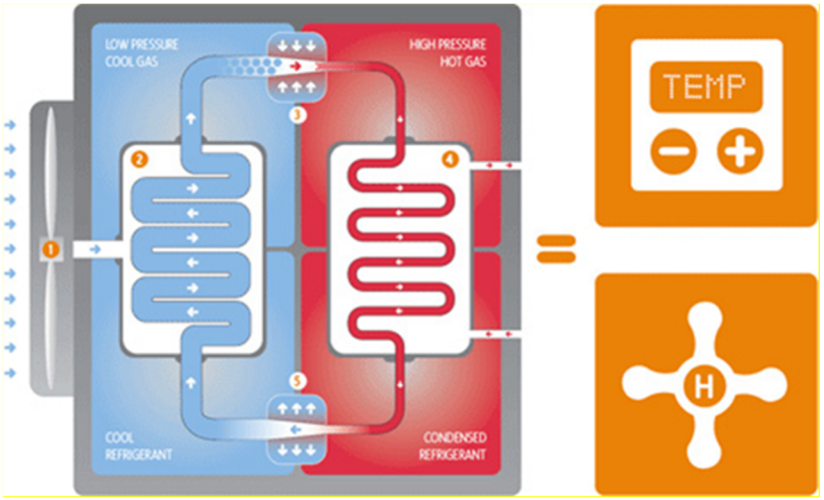
Generally, for both the open and closed loop options heat pumps are used in order to generate the heating and cooling water temperatures needed within a building.

A combined heat and power (CHP) system is proposed for the development which will meet the demand of this development. A connection shall be provided to the district energy network when available.

For these reasons a ground source heating and cooling system is not considered viable for the development.

6.07 Air Source Heating and Cooling

Air sourced heat pump (ASHP) works on the same principles as a ground source heat pump (GSHP) however the medium in which heat is extracted is the external air rather than the ground. The ASHP can be reversed to provide cooling when required. ASHP will generally have a lower seasonal coefficient of performance when compared to GSHP.



A condensate water system (water to water heat pump) is proposed for the development which will meet the heating, cooling and hot water demand of this development. The condensate water system will incorporate dry air coolers and heat pumps to meet the demands of the office area (Block A to D). As the cooling and heating demand is met by the condensate water system an ASHP installation is not considered viable for this development.

6.08 Fuel Cell

The fuel cell technology essentially converts chemical energy into both electrical and heat energy. The cell needs to be continually supplied with hydrogen (derived from either a piped or storage source) and oxygen (derived from air) which are combined, and the chemical reaction produces electrical energy, heat energy and water vapour.

The fuel cell requires a hydrogen fuel source that can either be from a piped source (not currently available) or from stored gas. However, the more usual approach currently in the UK is to use natural gas in order to generate the hydrogen required to operate the fuel cell.

Fuel cells have various commercial and technical limitations. There is a high initial capital cost together with there being few established suppliers and a very limited specialist design, installation and maintenance capabilities. Certain fuel cell elements require regular

replacement imposing a significant on-going cost implication. The fuel cells themselves are generally large, heavy and require fresh air ventilation.

Due to the initial capital cost, space requirements and on-going maintenance costs fuel cells are not considered viable for this development.

6.09 Renewable Energy Analysis

6.09.01 Viable LZCs

The proposed renewable energy sources for the development, applicable to the development, are:

Photovoltaic Panel System - 30m^2 of PV array is proposed for this development

6.09.02 Development

The results for the development incorporating renewable energy technologies are as follows:

	Baseline Scheme (kg CO_2/m^2/year)	**Lean Scheme (kg CO_2/m^2/year)**	**Clean Scheme (kg CO_2/m^2/year)**	**LZC Scheme (kg CO_2/m^2/year)**
Heating	0.59	0.58	0.59	0.19
Cooling	4.71	4.18	4.18	2.55
Fans and pumps	5.19	7.44	7.44	7.44
Lighting	9.91	6.27	6.27	6.27
Domestic Hot Water	0.59	0.59	0.71	0.20
Displaced Electricity	0.00	0.00	-0.16	-0.03
Part L2A: 2013 Total	**20.98**	**19.06**	**19.03**	**16.62**
Unregulated Power	23.05	23.05	23.05	23.05
Total	**44.03**	**42.11**	**42.08**	**39.67**

The annual CO_2 emissions for the overall development incorporating renewable energy technologies are 16.62 kg CO_2/m^2.

The improvement with renewable energy technologies over the clean scheme is 12.66% and the improvement with renewable technologies over the baseline scheme is 20.78%.

The annual CO_2 emissions for the overall development allowing for un-regulated energy uses with the renewable energy technologies are 39.67 kg CO_2/m^2.

The improvement with renewable energy technologies over the clean scheme when un-regulated energy uses are incorporated is 5.73 % and the improvement with renewable technologies over the baseline scheme is 9.90%.

The annual CO_2 emissions resulting from the green scheme with renewable energy technologies equates to 1438.32 tonnes without un-regulated uses and then 3433.11 tonnes when un-regulated uses are taken into account.

7.00 OVERHEATING AND COOLING

The building design has adopted the following principles in order to reduce potential overheating and comfort cooling system operation:

- Balance between solid and glazed elements within the façade whilst taking into account the building design aesthetic requirements
- Energy efficient design measures such as low energy LED lighting with occupancy control and automatic daylight dimming, and variable speed fans to reduce motor heat gain
- High performance glazing to reduce heat losses and solar heat gain
- Mechanical fresh air ventilation system that can provide free cooling during certain times of the year

8.00 OVERALL BUILDING ANALYSIS

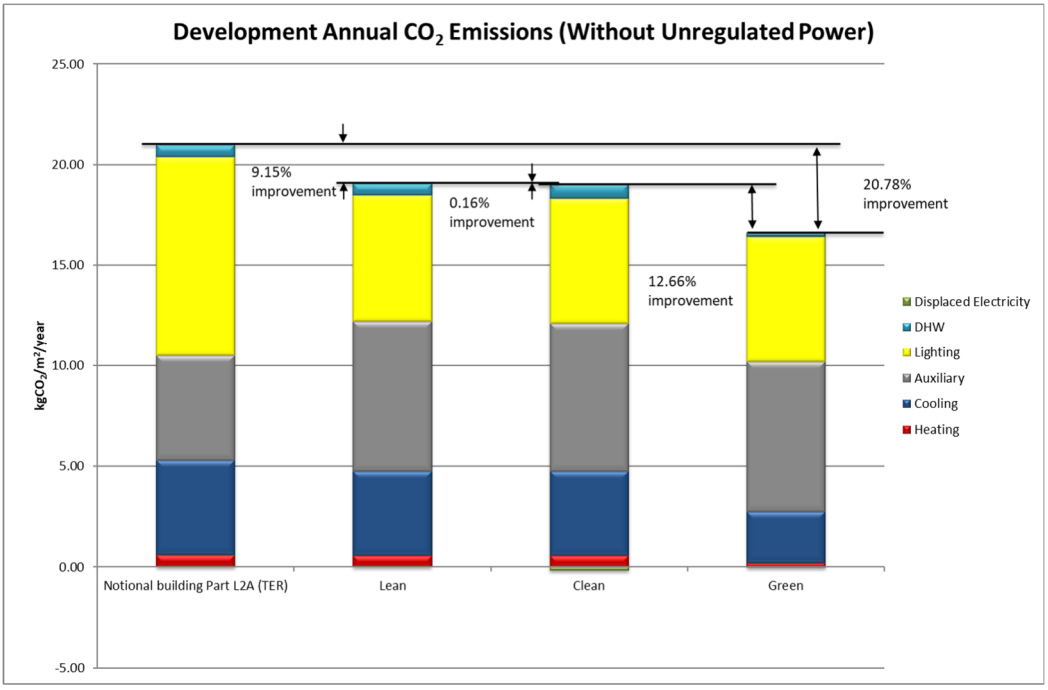
8.01 Carbon Reduction – Building Regulation 2013 Baseline

The overall building analysis can then be summarised as follows:

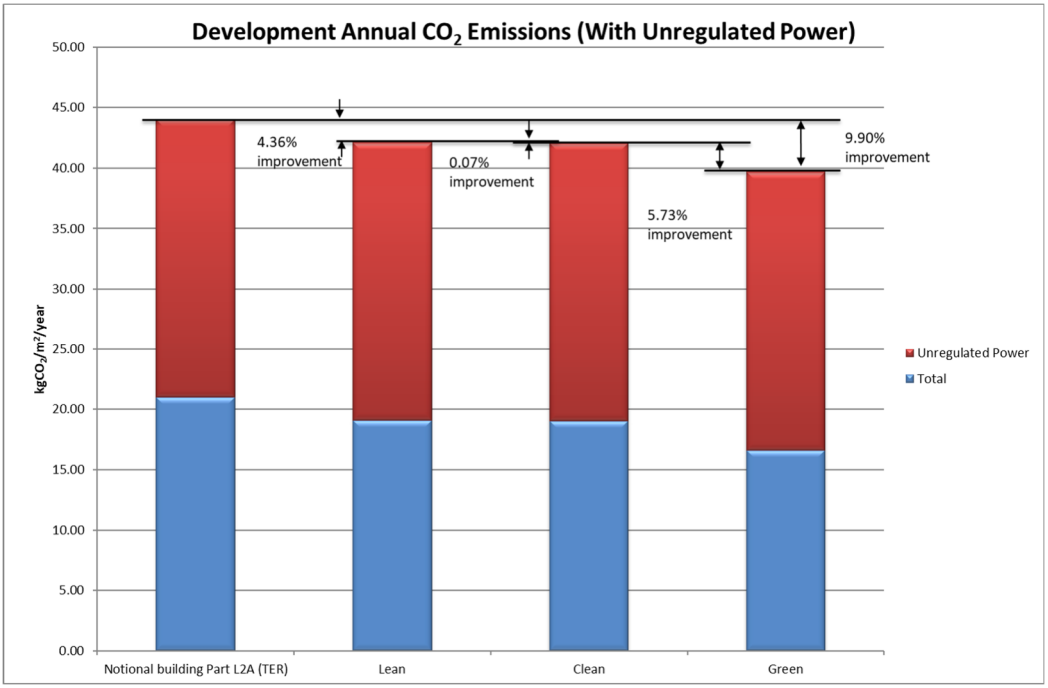
	kg CO_2/m^2			
	Baseline Scheme	**Lean Scheme (with passive/low energy)**	**Clean Scheme**	**LZC Scheme**
Building Regulations Compliant	20.98	19.06	19.03	16.62
Allowing for Un-regulated Uses	44.03	42.11	42.08	39.67

These values are shown in diagrammatic form below that shows the following principles:

- The proposed scheme (LZC) assessment shows a predicted improvement of 20.78 % when compared to the baseline scheme
- The renewable energy technologies show a predicted improvement of 12.66 % over the clean scheme
- When un-regulated energy uses are taken into account the predicted overall improvement is 9.90 % compared to the baseline scheme with renewable energy technologies showing a predicted 5.73 % improvement over the clean scheme



Based on the regulated power results indicated above the proposed scheme incorporating a renewable energy technology provides a carbon emissions reduction of 20.78 % when compared to the baseline Building Regulations 2013 (TER) compliant scheme.



The predicted annual CO_2 emissions data is as follows:

	Tonnes CO_2/m^2			
	Baseline Scheme	**Lean Scheme (with passive/low energy)**	**Clean Scheme**	**LZC Scheme**
Building Regulations Compliant	1815.64	1649.48	1646.89	1438.32
Allowing for Un-regulated Uses	3810.43	3644.27	3641.67	3433.11

The carbon emission savings as a result of the proposed measures based on the current design are predicted as follows:

	CO_2 Emission (tonnes CO_2/year)	**With Un-Regulated Uses CO_2 Emission (tonnes CO_2/year)**
Baseline scheme	1815.64	3810.43
LZC Scheme	1438.32	3433.11
Saving over baseline scheme	**377.32**	**377.32**

9.00 CONCLUSIONS

In line with the relevant planning policies and guidelines the energy strategy has demonstrated that the proposed development could adopt the hierarchical approach of using passive and low energy design technologies to reduce the baseline energy demand and hence CO_2 emissions followed by the application of low and zero carbon technologies as appropriate.

The focus of the energy strategy is on CO_2 reduction from the building by adopting a highly efficient building envelope solution together with high efficiency mechanical and electrical services incorporating heat recovery. The renewable energy technologies assessment is based on using solutions that are technically proven with low maintenance implications taking into account the energy efficiency strategies being proposed in the current design.

The analysis has shown that by incorporating passive and low energy design measures there is a predicted reduction in the development's annual CO_2 emissions, as indicated in the table below, from the baseline scheme.

Regulated CO_2 Savings	
Tonnes CO_2/Year	%
166.16	9.15

This is achieved by the following elements:

- High performance glazing
- Improved building fabric thermal insulation
- Low building air leakage rate
- High efficiency heating plant
- High efficiency water cooled chillers with cooling towers
- Variable speed fans and pumps
- Low energy lighting (LED lighting)
- Automatic lighting control with occupancy and daylight dimming controls

The decentralised heating, cooling and power assessment has indicated that the application of these systems and technologies are either not available to the scheme or are not viable for the scheme, however valve connections will be provided for future district heating connectivity.

Regulated CO_2 Savings	
Tonnes CO_2/Year	%
2.60	0.14

The potential renewable energy technologies have been assessed taking into account the particular development constraints. The strategy is to utilise:

- Photovoltaic panels to be utilised to contribute towards the energy consumption of the development.

The analysis has shown that by incorporating these renewable energy technologies in addition to the passive and low energy design measures there is a predicted reduction of annual CO_2 emissions from the baseline scheme as indicated in the table below:

Regulated CO_2 Savings	
Tonnes CO_2/Year	%
208.57	11.49

The renewable energy technologies are currently predicted to achieve a 20.78 % reduction in carbon emissions based on regulated uses.

When the un-regulated uses are factored into the analysis then there is an overall predicted reduction of 9.90 % in the development annual CO_2 emissions.

The overall energy strategy identifies a predicted annual carbon emission saving of 377.32 tonnes over the baseline scheme (without unregulated energy).

As described within section 2.00 of this report the Reading SPG does not state a carbon emission reduction for non-residential developments. The policy asked that all major non-residential development to achieve BREEAM 'Excellent'.

Appendix 1

Fabric Efficiency

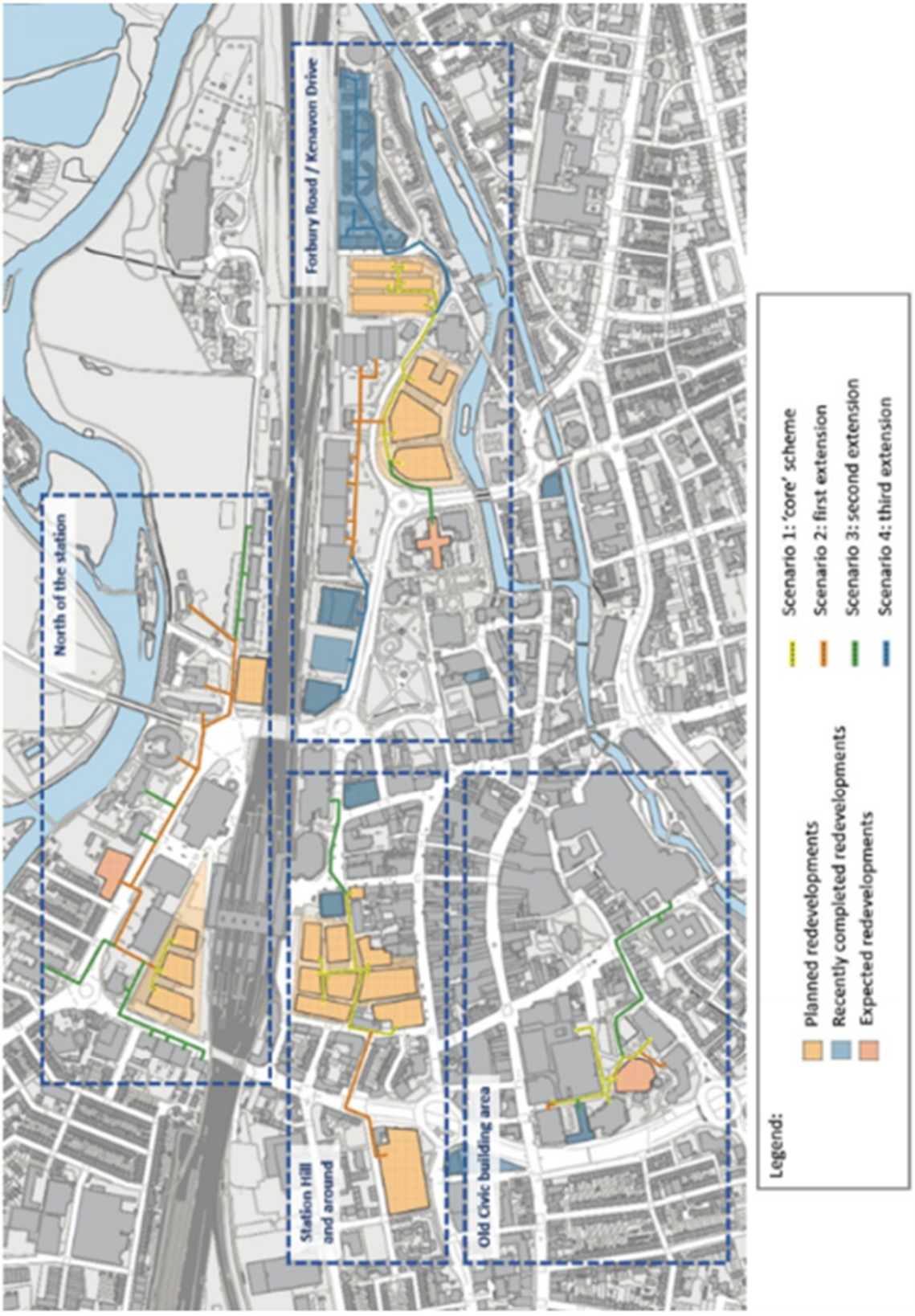
Building envelope thermal performance as detailed bellow:

Heat Loss Fabric Element	U-Values ($W/m^2.K$)	Further Details
Ground Floor	0.14	
Roof	0.15	
External wall	0.14	
Windows	1.2	G-Value:0.33, Light Transmission 0.64

Air permeability ($m^3/hr.m^2$ @50Pa for each apartments) to be accompanied by certificate in line with SAP requirements: 3 $m^3/hr.m^2$ @50Pa

Appendix 2

Reading Heat Map Network


Forbury Road / Kenavon Drive
North of the station
Station Hill and around
Old Civic building area
Legend:
Planned redevelopments
Recently completed redevelopments
Expected redevelopments
Scenario 1: 'core' scheme
Scenario 2: first extension
Scenario 3: second extension
Scenario 4: third extension

Appendix 3
Lean Scheme BRUKL

BRUKL Output Document

HM Government

Compliance with England Building Regulations Part L 2013

Project name

Reading Station Park - Lean Scheme

As designed

Date: Tue Feb 11 13:03:32 2020

Administrative information

Building Details

Address: Reading Station Park, Reading, RG1 8BA

Certification tool

Calculation engine: TAS

Calculation engine version: "v9.5.0"

Interface to calculation engine: TAS

Interface to calculation engine version: v9.5.0

BRUKL compliance check version: v5.6.a.1

Owner Details

Name: Aviva Investors

Telephone number: 02078096367

Address: Saint Helen's, 1 Undershaft, London, EC3P 3DQ

Certifier details

Name: Scott Hedges

Telephone number: 01932753739

Address: 51 Staines Road West, Sunbury-on-Thames, TW16 7AH

Criterion 1: The calculated CO_2 emission rate for the building must not exceed the target

CO_2 emission rate from the notional building, $kgCO_2/m^2.annum$	21
Target CO_2 emission rate (TER), $kgCO_2/m^2.annum$	21
Building CO_2 emission rate (BER), $kgCO_2/m^2.annum$	19.1
Are emissions from the building less than or equal to the target?	BER =< TER
Are as built details the same as used in the BER calculations?	Separate submission

Criterion 2: The performance of the building fabric and fixed building services should achieve reasonable overall standards of energy efficiency

Values which do not achieve the standards in the Non-Domestic Building Services Compliance Guide and Part L are displayed in red.

Building fabric

Element	$U_{a\text{-}Limit}$	$U_{a\text{-}Calc}$	$U_{i\text{-}Calc}$	Surface where the maximum value occurs*
Wall**	0.35	0.14	0.14	External Wall
Floor	0.25	0.14	0.14	Ground Floor
Roof	0.25	0.15	0.15	Roof
Windows***, roof windows, and rooflights	2.2	1.21	1.21	External Wall (70% Glazed)
Personnel doors	2.2	-	-	No personal doors in project
Vehicle access & similar large doors	1.5	-	-	No vehicle doors in project
High usage entrance doors	3.5	-	-	No high usage entrance doors in project

$U_{a\text{-}Limit}$ = Limiting area-weighted average U-values [$W/(m^2K)$]
$U_{a\text{-}Calc}$ = Calculated area-weighted average U-values [$W/(m^2K)$]
$U_{i\text{-}Calc}$ = Calculated maximum individual element U-values [$W/(m^2K)$]

* There might be more than one surface where the maximum U-value occurs.
** 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.
N.B.: Neither roof ventilators (inc. smoke vents) nor swimming pool basins are modelled or checked against the limiting standards by the tool.

Air Permeability	Worst acceptable standard	This building
$m^3/(h.m^2)$ at 50 Pa	10	3

Building services

The standard values listed below are minimum values for efficiencies and maximum values for SFPs. Refer to the Non-Domestic Building Services Compliance Guide for details.

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

1- Office (700 Zones)

	Heating efficiency	Cooling efficiency	Radiant efficiency	SFP [W/(l/s)]	HR efficiency
This system	0.91	3.6	-	1.9	0.7
Standard value	0.91*	2.6	N/A	1.6^	0.65
Automatic monitoring & targeting with alarms for out-of-range values for this HVAC system					YES

* Standard shown is for gas single boiler systems <=2 MW output. For single boiler systems >2 MW or multi-boiler systems, (overall) limiting efficiency is 0.86. For any individual boiler in a multi-boiler system, limiting efficiency is 0.82.

^ Limiting SFP may be extended by the amounts specified in the Non-Domestic Building Services Compliance Guide if the system includes additional components as listed in the Guide.

2- Circulation

	Heating efficiency	Cooling efficiency	Radiant efficiency	SFP [W/(l/s)]	HR efficiency
This system	0.91	-	-	-	-
Standard value	0.91*	N/A	N/A	N/A	N/A
Automatic monitoring & targeting with alarms for out-of-range values for this HVAC system					YES

* Standard shown is for gas single boiler systems <=2 MW output. For single boiler systems >2 MW or multi-boiler systems, (overall) limiting efficiency is 0.86. For any individual boiler in a multi-boiler system, limiting efficiency is 0.82.

3- Toilet (164 Zones)

	Heating efficiency	Cooling efficiency	Radiant efficiency	SFP [W/(l/s)]	HR efficiency
This system	0.91	-	-	-	-
Standard value	0.91*	N/A	N/A	N/A	N/A
Automatic monitoring & targeting with alarms for out-of-range values for this HVAC system					YES

* Standard shown is for gas single boiler systems <=2 MW output. For single boiler systems >2 MW or multi-boiler systems, (overall) limiting efficiency is 0.86. For any individual boiler in a multi-boiler system, limiting efficiency is 0.82.

4- Refuse (4 Zones)

	Heating efficiency	Cooling efficiency	Radiant efficiency	SFP [W/(l/s)]	HR efficiency
This system	0.91	-	-	-	-
Standard value	0.91*	N/A	N/A	N/A	N/A
Automatic monitoring & targeting with alarms for out-of-range values for this HVAC system					YES

* Standard shown is for gas single boiler systems <=2 MW output. For single boiler systems >2 MW or multi-boiler systems, (overall) limiting efficiency is 0.86. For any individual boiler in a multi-boiler system, limiting efficiency is 0.82.

1- DHW

	Water heating efficiency	Storage loss factor [kWh/litre per day]
This building	0.91	0
Standard value	0.9*	N/A

* Standard shown is for gas boilers >30 kW output. For boilers <=30 kW output, limiting efficiency is 0.73.

Local mechanical ventilation, exhaust, and terminal units

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

Zone name	SFP [W/(l/s)]									HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I		
Standard value	0.3	1.1	0.5	1.9	1.6	0.5	1.1	0.5	1	Zone	Standard
Bldg A - B1_Office 1	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 2	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 3	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 4	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 5	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 6	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 7	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 8	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 9	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 10	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 11	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 12	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 13	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 14	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 15	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 16	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 17	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 18	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 19	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 20	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 21	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 22	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 23	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 24	-	-	-	-	-	-	-	0.3	-	-	N/A
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Bldg A - B1_Office 26	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 27	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 28	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 29	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 30	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 31	-	-	-	-	-	-	-	0.3	-	-	N/A

Zone name	SFP [W/(l/s)]									HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I		
Standard value	0.3	1.1	0.5	1.9	1.6	0.5	1.1	0.5	1	Zone	Standard
Bldg A - B1_Office 32	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 33	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 34	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 35	-	-	-	-	-	-	-	0.3	-	-	N/A
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Bldg A - B1_Office 37	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 38	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 39	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 40	-	-	-	-	-	-	-	0.3	-	-	N/A
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Bldg A - B1_Office 42	-	-	-	-	-	-	-	0.3	-	-	N/A
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Bldg A - B1_Office 44	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 45	-	-	-	-	-	-	-	0.3	-	-	N/A
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Bldg A - B1_Office 47	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 48	-	-	-	-	-	-	-	0.3	-	-	N/A
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Bldg A - B1_Office 50	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 51	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 52	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 53	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 54	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 55	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 56	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 57	-	-	-	-	-	-	-	0.3	-	-	N/A
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Bldg A - B1_Office 60	-	-	-	-	-	-	-	0.3	-	-	N/A
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Bldg A - B1_Office 62	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 63	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 64	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 65	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 66	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 67	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 68	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 69	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 70	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 71	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 72	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 73	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 74	-	-	-	-	-	-	-	0.3	-	-	N/A

Zone name	SFP [W/(l/s)]									HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I		
Standard value	0.3	1.1	0.5	1.9	1.6	0.5	1.1	0.5	1	Zone	Standard
Bldg A - B1_Office 75	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 76	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 77	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 78	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 79	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 80	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 81	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 82	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 83	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 84	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 85	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 86	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 87	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 88	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 89	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 90	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 91	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 92	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 93	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 94	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 95	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 96	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 97	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 98	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 99	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 100	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 1	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 2	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 3	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 4	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 5	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 6	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 7	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 8	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 9	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 10	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 11	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 12	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 13	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 14	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 15	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 16	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 17	-	-	-	-	-	-	-	0.3	-	-	N/A

Zone name	SFP [W/(l/s)]									HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I		
Standard value	0.3	1.1	0.5	1.9	1.6	0.5	1.1	0.5	1	Zone	Standard
Bldg B - B1_Office 18	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 19	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 20	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 21	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 22	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 23	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 24	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 25	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 26	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 27	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 28	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 29	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 30	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 31	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 32	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 33	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 34	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 35	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 36	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 37	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 38	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 39	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 40	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 41	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 42	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 43	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 44	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 45	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 46	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 47	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 48	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 49	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 50	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 51	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 52	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 53	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 54	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 55	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 56	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 57	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 58	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 59	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 60	-	-	-	-	-	-	-	0.3	-	-	N/A

Zone name	SFP [W/(l/s)]									HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I		
Standard value	0.3	1.1	0.5	1.9	1.6	0.5	1.1	0.5	1	Zone	Standard
Bldg B - B1_Office 61	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 62	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 63	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 64	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 65	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 66	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 67	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 68	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 69	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 70	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 71	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 72	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 73	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 74	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 75	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 76	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 77	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 78	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 79	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 80	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 81	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 82	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 83	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 84	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 85	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 86	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 87	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 88	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 89	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 90	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 91	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 92	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 93	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 94	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 95	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 96	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 97	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 98	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 99	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 100	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 1	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 2	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 3	-	-	-	-	-	-	-	0.3	-	-	N/A

Zone name	SFP [W/(l/s)]									HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I		
Standard value	0.3	1.1	0.5	1.9	1.6	0.5	1.1	0.5	1	Zone	Standard
Bldg C - B1_Office 4	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 5	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 6	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 7	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 9	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 10	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 11	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 12	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 13	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 14	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 15	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 16	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 17	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 18	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 19	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 20	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 21	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 22	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 23	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 24	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 25	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 26	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 27	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 28	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 29	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 30	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 31	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 32	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 33	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 34	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 35	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 36	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 37	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 38	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 39	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 40	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 41	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 42	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 43	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 44	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 45	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 46	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 47	-	-	-	-	-	-	-	0.3	-	-	N/A

Zone name	SFP [W/(l/s)]									HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I		
Standard value	0.3	1.1	0.5	1.9	1.6	0.5	1.1	0.5	1	Zone	Standard
Bldg C - B1_Office 48	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 49	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 50	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 51	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 52	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 53	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 54	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 55	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 56	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 57	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 58	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 59	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 60	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 61	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 62	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 63	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 64	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 65	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 66	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 67	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 68	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 69	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 70	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 71	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 72	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 73	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 74	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 75	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 76	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 77	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 78	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 79	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 80	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 81	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 82	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 83	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 84	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 85	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 86	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 87	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 88	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 89	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 90	-	-	-	-	-	-	-	0.3	-	-	N/A

Zone name	SFP [W/(l/s)]									HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I		
Standard value	0.3	1.1	0.5	1.9	1.6	0.5	1.1	0.5	1	Zone	Standard
Bldg C - B1_Office 91	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 92	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 93	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 94	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 95	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 96	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 97	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 98	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 99	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 100	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 1	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 2	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 3	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 4	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 5	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 6	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 7	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 8	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 9	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 10	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 11	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 12	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 13	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 14	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 15	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 16	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 17	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 18	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 19	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 20	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 21	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 22	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 23	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 24	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 25	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 26	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 27	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 28	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 29	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 30	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 31	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 32	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 33	-	-	-	-	-	-	-	0.3	-	-	N/A

Zone name	SFP [W/(l/s)]									HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I		
Standard value	0.3	1.1	0.5	1.9	1.6	0.5	1.1	0.5	1	Zone	Standard
Bldg D - B1_Office 34	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 35	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 36	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 37	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 38	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 39	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 40	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 41	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 42	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 43	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 44	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 45	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 46	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 47	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 48	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 49	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 50	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 51	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 52	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 53	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 54	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 55	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 56	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 57	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 58	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 59	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 60	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 61	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 62	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 63	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 64	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 65	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 66	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 67	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 68	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 69	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 70	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 71	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 72	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 73	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 74	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 75	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 76	-	-	-	-	-	-	-	0.3	-	-	N/A

Zone name	SFP [W/(l/s)]									HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I		
Standard value	0.3	1.1	0.5	1.9	1.6	0.5	1.1	0.5	1	Zone	Standard
Bldg D - B1_Office 77	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 78	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 79	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 80	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 81	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 82	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 83	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 84	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 85	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 86	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 87	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 88	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 89	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 90	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 91	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 92	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 93	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 94	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 95	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 96	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 97	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 98	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 99	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 100	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 101	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 102	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 103	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 104	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 105	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 106	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 107	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 108	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 109	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 110	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 111	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 112	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 113	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 114	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 115	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 116	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 117	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 118	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 119	-	-	-	-	-	-	-	0.3	-	-	N/A

Zone name	SFP [W/(l/s)]									HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I		
Standard value	0.3	1.1	0.5	1.9	1.6	0.5	1.1	0.5	1	Zone	Standard
Bldg A - B1_Office 120	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 121	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 122	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 123	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 124	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 125	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 126	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 127	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 128	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 129	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 130	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 131	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 132	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 133	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 134	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 135	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 136	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 137	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 138	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 139	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 140	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 141	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 142	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 143	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 144	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 145	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 146	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 147	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 148	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 149	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 150	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 151	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 152	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 153	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 154	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 155	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 156	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 157	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 158	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 159	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Office 160	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 101	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 102	-	-	-	-	-	-	-	0.3	-	-	N/A

Zone name	SFP [W/(l/s)]									HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I		
Standard value	0.3	1.1	0.5	1.9	1.6	0.5	1.1	0.5	1	Zone	Standard
Bldg B - B1_Office 103	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 104	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 105	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 106	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 107	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 108	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 109	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 110	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 111	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 112	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 113	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 114	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 115	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 116	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 117	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 118	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 119	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 120	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 121	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 122	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 123	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 124	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 125	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 126	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 127	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 128	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 129	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 130	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 131	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 132	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 133	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 134	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 135	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 136	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 137	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 138	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 139	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 140	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 141	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 142	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 143	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 144	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 145	-	-	-	-	-	-	-	0.3	-	-	N/A

Zone name	SFP [W/(l/s)]									HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I		
Standard value	0.3	1.1	0.5	1.9	1.6	0.5	1.1	0.5	1	Zone	Standard
Bldg B - B1_Office 146	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 147	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 148	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 149	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 150	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 151	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 152	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 153	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 154	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 155	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 156	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 157	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 158	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 159	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 160	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 161	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 162	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 163	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 164	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 165	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 166	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 167	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 168	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 169	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 170	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 171	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 172	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 173	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 174	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 175	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 176	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 177	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg B - B1_Office 178	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 101	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 102	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 103	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 104	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 105	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 106	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 107	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 108	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 109	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 110	-	-	-	-	-	-	-	0.3	-	-	N/A

Zone name	SFP [W/(l/s)]									HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I		
Standard value	0.3	1.1	0.5	1.9	1.6	0.5	1.1	0.5	1	Zone	Standard
Bldg C - B1_Office 111	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 112	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 113	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 114	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 115	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 116	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 117	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 118	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 119	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 120	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 121	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 122	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 123	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 124	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 125	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 126	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 127	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 128	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 129	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 130	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 131	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 132	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 133	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 134	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 135	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 136	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 137	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 138	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 139	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 140	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 141	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 142	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 143	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 144	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 145	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 146	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 147	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 148	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 149	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 150	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 151	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 152	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 153	-	-	-	-	-	-	-	0.3	-	-	N/A

Zone name	SFP [W/(l/s)]									HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I		
Standard value	0.3	1.1	0.5	1.9	1.6	0.5	1.1	0.5	1	Zone	Standard
Bldg C - B1_Office 154	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 155	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 156	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 157	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 158	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 159	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 160	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 161	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 162	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 163	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 164	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 165	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 166	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 167	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 168	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 169	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 170	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 171	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 172	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 173	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 174	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 175	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 176	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 177	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 178	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 179	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 180	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 181	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 182	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 183	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 184	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 185	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 186	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 187	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 188	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 189	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 190	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 191	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 192	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 193	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 194	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 195	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 196	-	-	-	-	-	-	-	0.3	-	-	N/A

Zone name	SFP [W/(l/s)]									HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I		
Standard value	0.3	1.1	0.5	1.9	1.6	0.5	1.1	0.5	1	Zone	Standard
Bldg C - B1_Office 197	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 198	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 199	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 200	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg C - B1_Office 201	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 101	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 102	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 103	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 104	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 105	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 106	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 107	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 108	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 109	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 110	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 111	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 112	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 113	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 114	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 115	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 116	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 117	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 118	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 119	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 120	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 121	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 122	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 123	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 124	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 125	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 126	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 127	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 128	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 129	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 130	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 131	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 132	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 133	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 134	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 135	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 136	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 137	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 138	-	-	-	-	-	-	-	0.3	-	-	N/A

Zone name	SFP [W/(l/s)]									HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I		
Standard value	0.3	1.1	0.5	1.9	1.6	0.5	1.1	0.5	1	Zone	Standard
Bldg D - B1_Office 139	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 140	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 141	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 142	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 143	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 144	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 145	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 146	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 147	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 148	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 149	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 150	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 151	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 152	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 153	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 154	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 155	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 156	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 157	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 158	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 159	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 160	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 161	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg D - B1_Office 162	-	-	-	-	-	-	-	0.3	-	-	N/A
Bldg A - B1_Toilet 1	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg A - B1_Toilet 2	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg A - B1_Toilet 3	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg A - B1_Toilet 4	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg A - B1_Toilet 5	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg A - B1_Toilet 6	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg A - B1_Toilet 7	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg A - B1_Toilet 8	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg A - B1_Toilet 9	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg A - B1_Toilet 10	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg A - B1_Toilet 11	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg A - B1_Toilet 12	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg A - B1_Toilet 13	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg A - B1_Toilet 14	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg A - B1_Toilet 15	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg A - B1_Toilet 16	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg B - B1_Toilet 1	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg B - B1_Toilet 2	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg B - B1_Toilet 3	0.5	-	-	-	-	-	-	-	-	-	N/A

Zone name	SFP [W/(l/s)]									HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I		
Standard value	0.3	1.1	0.5	1.9	1.6	0.5	1.1	0.5	1	Zone	Standard
Bldg B - B1_Toilet 4	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg B - B1_Toilet 5	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg B - B1_Toilet 6	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg B - B1_Toilet 7	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg B - B1_Toilet 8	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg B - B1_Toilet 9	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg B - B1_Toilet 10	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg B - B1_Toilet 11	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg B - B1_Toilet 12	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg B - B1_Toilet 13	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg B - B1_Toilet 14	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg B - B1_Toilet 15	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg B - B1_Toilet 16	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg B - B1_Toilet 17	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg B - B1_Toilet 18	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg B - B1_Toilet 19	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg B - B1_Toilet 20	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg B - B1_Toilet 21	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg B - B1_Toilet 22	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg B - B1_Toilet 23	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg B - B1_Toilet 24	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg B - B1_Toilet 25	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg B - B1_Toilet 26	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg B - B1_Toilet 27	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg B - B1_Toilet 28	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg B - B1_Toilet 29	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg B - B1_Toilet 30	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg B - B1_Toilet 31	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg B - B1_Toilet 32	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg B - B1_Toilet 33	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg B - B1_Toilet 34	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg B - B1_Toilet 35	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg B - B1_Toilet 36	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg B - B1_Toilet 37	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg B - B1_Toilet 38	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg B - B1_Toilet 39	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg B - B1_Toilet 40	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg C - B1_Toilet 1	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg C - B1_Toilet 2	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg C - B1_Toilet 3	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg C - B1_Toilet 4	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg C - B1_Toilet 5	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg C - B1_Toilet 6	0.5	-	-	-	-	-	-	-	-	-	N/A

Zone name	SFP [W/(l/s)]									HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I		
Standard value	0.3	1.1	0.5	1.9	1.6	0.5	1.1	0.5	1	Zone	Standard
Bldg C - B1_Toilet 7	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg C - B1_Toilet 8	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg C - B1_Toilet 9	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg C - B1_Toilet 10	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg C - B1_Toilet 11	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg C - B1_Toilet 12	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg C - B1_Toilet 13	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg C - B1_Toilet 14	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg C - B1_Toilet 15	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg C - B1_Toilet 16	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg C - B1_Toilet 17	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg C - B1_Toilet 18	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg C - B1_Toilet 19	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg C - B1_Toilet 20	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg C - B1_Toilet 21	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg C - B1_Toilet 22	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg C - B1_Toilet 23	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg C - B1_Toilet 24	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg C - B1_Toilet 25	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg C - B1_Toilet 26	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg C - B1_Toilet 27	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg C - B1_Toilet 28	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg C - B1_Toilet 29	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg C - B1_Toilet 30	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg C - B1_Toilet 31	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg C - B1_Toilet 32	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg C - B1_Toilet 33	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg C - B1_Toilet 34	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg C - B1_Toilet 35	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg C - B1_Toilet 36	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg C - B1_Toilet 37	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg C - B1_Toilet 38	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg C - B1_Toilet 39	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg C - B1_Toilet 40	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 1	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 2	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 3	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 4	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 5	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 6	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 7	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 8	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 9	0.5	-	-	-	-	-	-	-	-	-	N/A

Zone name	SFP [W/(l/s)]									HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I		
Standard value	0.3	1.1	0.5	1.9	1.6	0.5	1.1	0.5	1	Zone	Standard
Bldg D - B1_Toilet 10	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 11	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 12	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 13	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 14	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 15	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 16	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 17	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 18	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 19	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 20	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 21	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 22	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 23	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 24	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 25	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 26	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 27	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 28	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 29	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 30	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 31	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 32	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 33	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 34	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 35	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 36	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 37	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 38	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 39	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 40	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg B - B1_Toilet 41	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg B - B1_Toilet 42	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg B - B1_Toilet 43	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg B - B1_Toilet 44	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg C - B1_Toilet 41	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg C - B1_Toilet 42	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg C - B1_Toilet 43	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg C - B1_Toilet 44	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg C - B1_Toilet 45	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg C - B1_Toilet 46	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg C - B1_Toilet 47	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg C - B1_Toilet 48	0.5	-	-	-	-	-	-	-	-	-	N/A

Zone name	SFP [W/(l/s)]									HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I		
Standard value	0.3	1.1	0.5	1.9	1.6	0.5	1.1	0.5	1	Zone	Standard
Bldg D - B1_Toilet 41	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 42	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 43	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 44	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 45	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 46	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 47	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 48	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 49	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 50	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 51	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 52	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 53	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 54	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 55	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Toilet 56	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg A - B1_Store (Refuse) 1	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg B - B1_Store (Refuse) 1	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg C - B1_Store (Refuse) 1	0.5	-	-	-	-	-	-	-	-	-	N/A
Bldg D - B1_Store (Refuse) 1	0.5	-	-	-	-	-	-	-	-	-	N/A

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	Luminaire	Lamp	Display lamp	General lighting [W]
Standard value	60	60	22	
Bldg A - B1_Office 1	100	-	-	543
Bldg A - B1_Office 2	100	-	-	967
Bldg A - B1_Office 3	100	-	-	205
Bldg A - B1_Office 4	100	-	-	611
Bldg A - B1_Office 5	100	-	-	197
Bldg A - B1_Office 6	100	-	-	725
Bldg A - B1_Office 7	100	-	-	616
Bldg A - B1_Office 8	100	-	-	471
Bldg A - B1_Office 9	100	-	-	3577
Bldg A - B1_Office 10	100	-	-	159
Bldg A - B1_Office 11	100	-	-	198
Bldg A - B1_Office 12	100	-	-	445
Bldg A - B1_Office 13	100	-	-	1072
Bldg A - B1_Office 14	100	-	-	967
Bldg A - B1_Office 15	100	-	-	205
Bldg A - B1_Office 16	100	-	-	155
Bldg A - B1_Office 17	100	-	-	171
Bldg A - B1_Office 18	100	-	-	197
Bldg A - B1_Office 19	100	-	-	725

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg A - B1_Office 20	100	-	-	616
Bldg A - B1_Office 21	100	-	-	191
Bldg A - B1_Office 22	100	-	-	4709
Bldg A - B1_Office 23	100	-	-	159
Bldg A - B1_Office 24	100	-	-	198
Bldg A - B1_Office 25	100	-	-	445
Bldg A - B1_Office 26	100	-	-	1072
Bldg A - B1_Office 27	100	-	-	967
Bldg A - B1_Office 28	100	-	-	205
Bldg A - B1_Office 29	100	-	-	155
Bldg A - B1_Office 30	100	-	-	171
Bldg A - B1_Office 31	100	-	-	197
Bldg A - B1_Office 32	100	-	-	725
Bldg A - B1_Office 33	100	-	-	616
Bldg A - B1_Office 34	100	-	-	191
Bldg A - B1_Office 35	100	-	-	4709
Bldg A - B1_Office 36	100	-	-	159
Bldg A - B1_Office 37	100	-	-	198
Bldg A - B1_Office 38	100	-	-	445
Bldg A - B1_Office 39	100	-	-	1072
Bldg A - B1_Office 40	100	-	-	507
Bldg A - B1_Office 41	100	-	-	460
Bldg A - B1_Office 42	100	-	-	205
Bldg A - B1_Office 43	100	-	-	155
Bldg A - B1_Office 44	100	-	-	171
Bldg A - B1_Office 45	100	-	-	197
Bldg A - B1_Office 46	100	-	-	442
Bldg A - B1_Office 47	100	-	-	284
Bldg A - B1_Office 48	100	-	-	616
Bldg A - B1_Office 49	100	-	-	191
Bldg A - B1_Office 50	100	-	-	4709
Bldg A - B1_Office 51	100	-	-	159
Bldg A - B1_Office 52	100	-	-	198
Bldg A - B1_Office 53	100	-	-	268
Bldg A - B1_Office 54	100	-	-	199
Bldg A - B1_Office 55	100	-	-	588
Bldg A - B1_Office 56	100	-	-	197
Bldg A - B1_Office 57	100	-	-	265
Bldg A - B1_Office 58	100	-	-	197
Bldg A - B1_Office 59	100	-	-	191
Bldg A - B1_Office 60	100	-	-	257
Bldg A - B1_Office 61	100	-	-	214
Bldg A - B1_Office 62	100	-	-	171

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg A - B1_Office 63	100	-	-	197
Bldg A - B1_Office 64	100	-	-	253
Bldg A - B1_Office 65	100	-	-	188
Bldg A - B1_Office 66	100	-	-	540
Bldg A - B1_Office 67	100	-	-	196
Bldg A - B1_Office 68	100	-	-	264
Bldg A - B1_Office 69	100	-	-	205
Bldg A - B1_Office 70	100	-	-	155
Bldg A - B1_Office 71	100	-	-	220
Bldg A - B1_Office 72	100	-	-	199
Bldg A - B1_Office 73	100	-	-	159
Bldg A - B1_Office 74	100	-	-	198
Bldg A - B1_Office 75	100	-	-	268
Bldg A - B1_Office 76	100	-	-	199
Bldg A - B1_Office 77	100	-	-	588
Bldg A - B1_Office 78	100	-	-	197
Bldg A - B1_Office 79	100	-	-	265
Bldg A - B1_Office 80	100	-	-	197
Bldg A - B1_Office 81	100	-	-	191
Bldg A - B1_Office 82	100	-	-	214
Bldg A - B1_Office 83	100	-	-	257
Bldg A - B1_Office 84	100	-	-	171
Bldg A - B1_Office 85	100	-	-	197
Bldg A - B1_Office 86	100	-	-	253
Bldg A - B1_Office 87	100	-	-	188
Bldg A - B1_Office 88	100	-	-	540
Bldg A - B1_Office 89	100	-	-	196
Bldg A - B1_Office 90	100	-	-	264
Bldg A - B1_Office 91	100	-	-	205
Bldg A - B1_Office 92	100	-	-	155
Bldg A - B1_Office 93	100	-	-	220
Bldg A - B1_Office 94	100	-	-	199
Bldg A - B1_Office 95	100	-	-	159
Bldg A - B1_Office 96	100	-	-	198
Bldg A - B1_Office 97	100	-	-	268
Bldg A - B1_Office 98	100	-	-	199
Bldg A - B1_Office 99	100	-	-	588
Bldg A - B1_Office 100	100	-	-	197
Bldg B - B1_Office 1	100	-	-	368
Bldg B - B1_Office 2	100	-	-	632
Bldg B - B1_Office 3	100	-	-	786
Bldg B - B1_Office 4	100	-	-	627
Bldg B - B1_Office 5	100	-	-	599

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg B - B1_Office 6	100	-	-	1728
Bldg B - B1_Office 7	100	-	-	244
Bldg B - B1_Office 8	100	-	-	391
Bldg B - B1_Office 9	100	-	-	550
Bldg B - B1_Office 10	100	-	-	526
Bldg B - B1_Office 11	100	-	-	547
Bldg B - B1_Office 12	100	-	-	393
Bldg B - B1_Office 13	100	-	-	1657
Bldg B - B1_Office 14	100	-	-	187
Bldg B - B1_Office 15	100	-	-	632
Bldg B - B1_Office 16	100	-	-	244
Bldg B - B1_Office 17	100	-	-	786
Bldg B - B1_Office 18	100	-	-	627
Bldg B - B1_Office 19	100	-	-	1277
Bldg B - B1_Office 20	100	-	-	290
Bldg B - B1_Office 21	100	-	-	547
Bldg B - B1_Office 22	100	-	-	526
Bldg B - B1_Office 23	100	-	-	550
Bldg B - B1_Office 24	100	-	-	1155
Bldg B - B1_Office 25	100	-	-	2159
Bldg B - B1_Office 26	100	-	-	781
Bldg B - B1_Office 27	100	-	-	483
Bldg B - B1_Office 28	100	-	-	547
Bldg B - B1_Office 29	100	-	-	540
Bldg B - B1_Office 30	100	-	-	2215
Bldg B - B1_Office 31	100	-	-	187
Bldg B - B1_Office 32	100	-	-	632
Bldg B - B1_Office 33	100	-	-	244
Bldg B - B1_Office 34	100	-	-	786
Bldg B - B1_Office 35	100	-	-	627
Bldg B - B1_Office 36	100	-	-	1277
Bldg B - B1_Office 37	100	-	-	290
Bldg B - B1_Office 38	100	-	-	547
Bldg B - B1_Office 39	100	-	-	526
Bldg B - B1_Office 40	100	-	-	550
Bldg B - B1_Office 41	100	-	-	1155
Bldg B - B1_Office 42	100	-	-	2159
Bldg B - B1_Office 43	100	-	-	781
Bldg B - B1_Office 44	100	-	-	540
Bldg B - B1_Office 45	100	-	-	547
Bldg B - B1_Office 46	100	-	-	483
Bldg B - B1_Office 47	100	-	-	2215
Bldg B - B1_Office 48	100	-	-	187

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg B - B1_Office 49	100	-	-	632
Bldg B - B1_Office 50	100	-	-	244
Bldg B - B1_Office 51	100	-	-	786
Bldg B - B1_Office 52	100	-	-	627
Bldg B - B1_Office 53	100	-	-	1277
Bldg B - B1_Office 54	100	-	-	290
Bldg B - B1_Office 55	100	-	-	547
Bldg B - B1_Office 56	100	-	-	526
Bldg B - B1_Office 57	100	-	-	550
Bldg B - B1_Office 58	100	-	-	1155
Bldg B - B1_Office 59	100	-	-	1289
Bldg B - B1_Office 60	100	-	-	781
Bldg B - B1_Office 61	100	-	-	327
Bldg B - B1_Office 62	100	-	-	483
Bldg B - B1_Office 63	100	-	-	542
Bldg B - B1_Office 64	100	-	-	547
Bldg B - B1_Office 65	100	-	-	540
Bldg B - B1_Office 66	100	-	-	2215
Bldg B - B1_Office 67	100	-	-	289
Bldg B - B1_Office 68	100	-	-	550
Bldg B - B1_Office 69	100	-	-	1155
Bldg B - B1_Office 70	100	-	-	998
Bldg B - B1_Office 71	100	-	-	777
Bldg B - B1_Office 72	100	-	-	187
Bldg B - B1_Office 73	100	-	-	632
Bldg B - B1_Office 74	100	-	-	244
Bldg B - B1_Office 75	100	-	-	786
Bldg B - B1_Office 76	100	-	-	627
Bldg B - B1_Office 77	100	-	-	1277
Bldg B - B1_Office 78	100	-	-	2140
Bldg B - B1_Office 79	100	-	-	540
Bldg B - B1_Office 80	100	-	-	621
Bldg B - B1_Office 81	100	-	-	290
Bldg B - B1_Office 82	100	-	-	547
Bldg B - B1_Office 83	100	-	-	289
Bldg B - B1_Office 84	100	-	-	254
Bldg B - B1_Office 85	100	-	-	289
Bldg B - B1_Office 86	100	-	-	550
Bldg B - B1_Office 87	100	-	-	1155
Bldg B - B1_Office 88	100	-	-	998
Bldg B - B1_Office 89	100	-	-	777
Bldg B - B1_Office 90	100	-	-	187
Bldg B - B1_Office 91	100	-	-	632

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg B - B1_Office 92	100	-	-	244
Bldg B - B1_Office 93	100	-	-	786
Bldg B - B1_Office 94	100	-	-	627
Bldg B - B1_Office 95	100	-	-	1277
Bldg B - B1_Office 96	100	-	-	2140
Bldg B - B1_Office 97	100	-	-	540
Bldg B - B1_Office 98	100	-	-	621
Bldg B - B1_Office 99	100	-	-	290
Bldg B - B1_Office 100	100	-	-	547
Bldg C - B1_Office 1	100	-	-	192
Bldg C - B1_Office 2	100	-	-	603
Bldg C - B1_Office 3	100	-	-	206
Bldg C - B1_Office 4	100	-	-	837
Bldg C - B1_Office 5	100	-	-	603
Bldg C - B1_Office 6	100	-	-	158
Bldg C - B1_Office 7	100	-	-	2315
Bldg C - B1_Office 9	100	-	-	570
Bldg C - B1_Office 10	100	-	-	1488
Bldg C - B1_Office 11	100	-	-	542
Bldg C - B1_Office 12	100	-	-	569
Bldg C - B1_Office 13	100	-	-	379
Bldg C - B1_Office 14	100	-	-	192
Bldg C - B1_Office 15	100	-	-	603
Bldg C - B1_Office 16	100	-	-	206
Bldg C - B1_Office 17	100	-	-	837
Bldg C - B1_Office 18	100	-	-	603
Bldg C - B1_Office 19	100	-	-	158
Bldg C - B1_Office 20	100	-	-	1678
Bldg C - B1_Office 21	100	-	-	1517
Bldg C - B1_Office 22	100	-	-	651
Bldg C - B1_Office 23	100	-	-	549
Bldg C - B1_Office 24	100	-	-	770
Bldg C - B1_Office 25	100	-	-	2070
Bldg C - B1_Office 26	100	-	-	1113
Bldg C - B1_Office 27	100	-	-	569
Bldg C - B1_Office 28	100	-	-	542
Bldg C - B1_Office 29	100	-	-	462
Bldg C - B1_Office 30	100	-	-	570
Bldg C - B1_Office 31	100	-	-	372
Bldg C - B1_Office 32	100	-	-	192
Bldg C - B1_Office 33	100	-	-	603
Bldg C - B1_Office 34	100	-	-	206
Bldg C - B1_Office 35	100	-	-	837

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg C - B1_Office 36	100	-	-	603
Bldg C - B1_Office 37	100	-	-	158
Bldg C - B1_Office 38	100	-	-	1678
Bldg C - B1_Office 39	100	-	-	1517
Bldg C - B1_Office 40	100	-	-	549
Bldg C - B1_Office 41	100	-	-	652
Bldg C - B1_Office 42	100	-	-	770
Bldg C - B1_Office 43	100	-	-	2070
Bldg C - B1_Office 44	100	-	-	1113
Bldg C - B1_Office 45	100	-	-	569
Bldg C - B1_Office 46	100	-	-	542
Bldg C - B1_Office 47	100	-	-	461
Bldg C - B1_Office 48	100	-	-	570
Bldg C - B1_Office 49	100	-	-	372
Bldg C - B1_Office 50	100	-	-	192
Bldg C - B1_Office 51	100	-	-	603
Bldg C - B1_Office 52	100	-	-	206
Bldg C - B1_Office 53	100	-	-	837
Bldg C - B1_Office 54	100	-	-	603
Bldg C - B1_Office 55	100	-	-	158
Bldg C - B1_Office 56	100	-	-	1678
Bldg C - B1_Office 57	100	-	-	1517
Bldg C - B1_Office 58	100	-	-	549
Bldg C - B1_Office 59	100	-	-	653
Bldg C - B1_Office 60	100	-	-	770
Bldg C - B1_Office 61	100	-	-	1312
Bldg C - B1_Office 62	100	-	-	1113
Bldg C - B1_Office 63	100	-	-	569
Bldg C - B1_Office 64	100	-	-	542
Bldg C - B1_Office 65	100	-	-	312
Bldg C - B1_Office 66	100	-	-	462
Bldg C - B1_Office 67	100	-	-	570
Bldg C - B1_Office 68	100	-	-	446
Bldg C - B1_Office 69	100	-	-	372
Bldg C - B1_Office 70	100	-	-	192
Bldg C - B1_Office 71	100	-	-	603
Bldg C - B1_Office 72	100	-	-	206
Bldg C - B1_Office 73	100	-	-	837
Bldg C - B1_Office 74	100	-	-	603
Bldg C - B1_Office 75	100	-	-	158
Bldg C - B1_Office 76	100	-	-	1678
Bldg C - B1_Office 77	100	-	-	1526
Bldg C - B1_Office 78	100	-	-	540

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg C - B1_Office 79	100	-	-	666
Bldg C - B1_Office 80	100	-	-	766
Bldg C - B1_Office 81	100	-	-	1031
Bldg C - B1_Office 82	100	-	-	1113
Bldg C - B1_Office 83	100	-	-	569
Bldg C - B1_Office 84	100	-	-	280
Bldg C - B1_Office 85	100	-	-	570
Bldg C - B1_Office 86	100	-	-	289
Bldg C - B1_Office 87	100	-	-	157
Bldg C - B1_Office 88	100	-	-	372
Bldg C - B1_Office 89	100	-	-	192
Bldg C - B1_Office 90	100	-	-	603
Bldg C - B1_Office 91	100	-	-	206
Bldg C - B1_Office 92	100	-	-	837
Bldg C - B1_Office 93	100	-	-	603
Bldg C - B1_Office 94	100	-	-	158
Bldg C - B1_Office 95	100	-	-	1678
Bldg C - B1_Office 96	100	-	-	1526
Bldg C - B1_Office 97	100	-	-	666
Bldg C - B1_Office 98	100	-	-	540
Bldg C - B1_Office 99	100	-	-	766
Bldg C - B1_Office 100	100	-	-	1031
Bldg D - B1_Office 1	100	-	-	321
Bldg D - B1_Office 2	100	-	-	345
Bldg D - B1_Office 3	100	-	-	989
Bldg D - B1_Office 4	100	-	-	267
Bldg D - B1_Office 5	100	-	-	997
Bldg D - B1_Office 6	100	-	-	375
Bldg D - B1_Office 7	100	-	-	302
Bldg D - B1_Office 8	100	-	-	2070
Bldg D - B1_Office 9	100	-	-	321
Bldg D - B1_Office 10	100	-	-	345
Bldg D - B1_Office 11	100	-	-	1063
Bldg D - B1_Office 12	100	-	-	1070
Bldg D - B1_Office 13	100	-	-	375
Bldg D - B1_Office 14	100	-	-	302
Bldg D - B1_Office 15	100	-	-	2638
Bldg D - B1_Office 16	100	-	-	942
Bldg D - B1_Office 17	100	-	-	321
Bldg D - B1_Office 18	100	-	-	345
Bldg D - B1_Office 19	100	-	-	1063
Bldg D - B1_Office 20	100	-	-	1070
Bldg D - B1_Office 21	100	-	-	375

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg D - B1_Office 22	100	-	-	302
Bldg D - B1_Office 23	100	-	-	2638
Bldg D - B1_Office 24	100	-	-	942
Bldg D - B1_Office 25	100	-	-	321
Bldg D - B1_Office 26	100	-	-	345
Bldg D - B1_Office 27	100	-	-	1063
Bldg D - B1_Office 28	100	-	-	1070
Bldg D - B1_Office 29	100	-	-	375
Bldg D - B1_Office 30	100	-	-	302
Bldg D - B1_Office 31	100	-	-	2638
Bldg D - B1_Office 32	100	-	-	942
Bldg D - B1_Office 33	100	-	-	321
Bldg D - B1_Office 34	100	-	-	345
Bldg D - B1_Office 35	100	-	-	1063
Bldg D - B1_Office 36	100	-	-	1070
Bldg D - B1_Office 37	100	-	-	375
Bldg D - B1_Office 38	100	-	-	302
Bldg D - B1_Office 39	100	-	-	2638
Bldg D - B1_Office 40	100	-	-	942
Bldg D - B1_Office 41	100	-	-	321
Bldg D - B1_Office 42	100	-	-	345
Bldg D - B1_Office 43	100	-	-	1063
Bldg D - B1_Office 44	100	-	-	1070
Bldg D - B1_Office 45	100	-	-	375
Bldg D - B1_Office 46	100	-	-	302
Bldg D - B1_Office 47	100	-	-	2638
Bldg D - B1_Office 48	100	-	-	942
Bldg D - B1_Office 49	100	-	-	321
Bldg D - B1_Office 50	100	-	-	345
Bldg D - B1_Office 51	100	-	-	1063
Bldg D - B1_Office 52	100	-	-	1070
Bldg D - B1_Office 53	100	-	-	375
Bldg D - B1_Office 54	100	-	-	302
Bldg D - B1_Office 55	100	-	-	2638
Bldg D - B1_Office 56	100	-	-	942
Bldg D - B1_Office 57	100	-	-	302
Bldg D - B1_Office 58	100	-	-	375
Bldg D - B1_Office 59	100	-	-	1070
Bldg D - B1_Office 60	100	-	-	1063
Bldg D - B1_Office 61	100	-	-	345
Bldg D - B1_Office 62	100	-	-	321
Bldg D - B1_Office 63	100	-	-	2638
Bldg D - B1_Office 64	100	-	-	942

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg D - B1_Office 65	100	-	-	321
Bldg D - B1_Office 66	100	-	-	345
Bldg D - B1_Office 67	100	-	-	1063
Bldg D - B1_Office 68	100	-	-	1070
Bldg D - B1_Office 69	100	-	-	375
Bldg D - B1_Office 70	100	-	-	302
Bldg D - B1_Office 71	100	-	-	2638
Bldg D - B1_Office 72	100	-	-	942
Bldg D - B1_Office 73	100	-	-	321
Bldg D - B1_Office 74	100	-	-	345
Bldg D - B1_Office 75	100	-	-	1063
Bldg D - B1_Office 76	100	-	-	1070
Bldg D - B1_Office 77	100	-	-	375
Bldg D - B1_Office 78	100	-	-	302
Bldg D - B1_Office 79	100	-	-	2638
Bldg D - B1_Office 80	100	-	-	942
Bldg D - B1_Office 81	100	-	-	321
Bldg D - B1_Office 82	100	-	-	345
Bldg D - B1_Office 83	100	-	-	1063
Bldg D - B1_Office 84	100	-	-	1070
Bldg D - B1_Office 85	100	-	-	375
Bldg D - B1_Office 86	100	-	-	302
Bldg D - B1_Office 87	100	-	-	2638
Bldg D - B1_Office 88	100	-	-	942
Bldg D - B1_Office 89	100	-	-	321
Bldg D - B1_Office 90	100	-	-	345
Bldg D - B1_Office 91	100	-	-	1063
Bldg D - B1_Office 92	100	-	-	1070
Bldg D - B1_Office 93	100	-	-	375
Bldg D - B1_Office 94	100	-	-	302
Bldg D - B1_Office 95	100	-	-	2638
Bldg D - B1_Office 96	100	-	-	940
Bldg D - B1_Office 97	100	-	-	321
Bldg D - B1_Office 98	100	-	-	345
Bldg D - B1_Office 99	100	-	-	886
Bldg D - B1_Office 100	100	-	-	656
Bldg A - B1_Office 101	100	-	-	265
Bldg A - B1_Office 102	100	-	-	197
Bldg A - B1_Office 103	100	-	-	191
Bldg A - B1_Office 104	100	-	-	214
Bldg A - B1_Office 105	100	-	-	257
Bldg A - B1_Office 106	100	-	-	171
Bldg A - B1_Office 107	100	-	-	197

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg A - B1_Office 108	100	-	-	253
Bldg A - B1_Office 109	100	-	-	188
Bldg A - B1_Office 110	100	-	-	540
Bldg A - B1_Office 111	100	-	-	196
Bldg A - B1_Office 112	100	-	-	264
Bldg A - B1_Office 113	100	-	-	205
Bldg A - B1_Office 114	100	-	-	155
Bldg A - B1_Office 115	100	-	-	220
Bldg A - B1_Office 116	100	-	-	199
Bldg A - B1_Office 117	100	-	-	159
Bldg A - B1_Office 118	100	-	-	198
Bldg A - B1_Office 119	100	-	-	268
Bldg A - B1_Office 120	100	-	-	199
Bldg A - B1_Office 121	100	-	-	588
Bldg A - B1_Office 122	100	-	-	197
Bldg A - B1_Office 123	100	-	-	265
Bldg A - B1_Office 124	100	-	-	197
Bldg A - B1_Office 125	100	-	-	191
Bldg A - B1_Office 126	100	-	-	214
Bldg A - B1_Office 127	100	-	-	257
Bldg A - B1_Office 128	100	-	-	171
Bldg A - B1_Office 129	100	-	-	197
Bldg A - B1_Office 130	100	-	-	253
Bldg A - B1_Office 131	100	-	-	188
Bldg A - B1_Office 132	100	-	-	540
Bldg A - B1_Office 133	100	-	-	196
Bldg A - B1_Office 134	100	-	-	264
Bldg A - B1_Office 135	100	-	-	205
Bldg A - B1_Office 136	100	-	-	155
Bldg A - B1_Office 137	100	-	-	220
Bldg A - B1_Office 138	100	-	-	199
Bldg A - B1_Office 139	100	-	-	171
Bldg A - B1_Office 140	100	-	-	197
Bldg A - B1_Office 141	100	-	-	253
Bldg A - B1_Office 142	100	-	-	188
Bldg A - B1_Office 143	100	-	-	540
Bldg A - B1_Office 144	100	-	-	196
Bldg A - B1_Office 145	100	-	-	264
Bldg A - B1_Office 146	100	-	-	205
Bldg A - B1_Office 147	100	-	-	155
Bldg A - B1_Office 148	100	-	-	220
Bldg A - B1_Office 149	100	-	-	199
Bldg A - B1_Office 150	100	-	-	171

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg A - B1_Office 151	100	-	-	197
Bldg A - B1_Office 152	100	-	-	253
Bldg A - B1_Office 153	100	-	-	188
Bldg A - B1_Office 154	100	-	-	540
Bldg A - B1_Office 155	100	-	-	196
Bldg A - B1_Office 156	100	-	-	264
Bldg A - B1_Office 157	100	-	-	205
Bldg A - B1_Office 158	100	-	-	155
Bldg A - B1_Office 159	100	-	-	220
Bldg A - B1_Office 160	100	-	-	199
Bldg B - B1_Office 101	100	-	-	289
Bldg B - B1_Office 102	100	-	-	254
Bldg B - B1_Office 103	100	-	-	289
Bldg B - B1_Office 104	100	-	-	550
Bldg B - B1_Office 105	100	-	-	1155
Bldg B - B1_Office 106	100	-	-	998
Bldg B - B1_Office 107	100	-	-	777
Bldg B - B1_Office 108	100	-	-	187
Bldg B - B1_Office 109	100	-	-	632
Bldg B - B1_Office 110	100	-	-	244
Bldg B - B1_Office 111	100	-	-	786
Bldg B - B1_Office 112	100	-	-	627
Bldg B - B1_Office 113	100	-	-	1277
Bldg B - B1_Office 114	100	-	-	2140
Bldg B - B1_Office 115	100	-	-	540
Bldg B - B1_Office 116	100	-	-	621
Bldg B - B1_Office 117	100	-	-	290
Bldg B - B1_Office 118	100	-	-	547
Bldg B - B1_Office 119	100	-	-	289
Bldg B - B1_Office 120	100	-	-	507
Bldg B - B1_Office 121	100	-	-	674
Bldg B - B1_Office 122	100	-	-	678
Bldg B - B1_Office 123	100	-	-	777
Bldg B - B1_Office 124	100	-	-	187
Bldg B - B1_Office 125	100	-	-	632
Bldg B - B1_Office 126	100	-	-	244
Bldg B - B1_Office 127	100	-	-	786
Bldg B - B1_Office 128	100	-	-	627
Bldg B - B1_Office 129	100	-	-	1277
Bldg B - B1_Office 130	100	-	-	2140
Bldg B - B1_Office 131	100	-	-	540
Bldg B - B1_Office 132	100	-	-	621
Bldg B - B1_Office 133	100	-	-	255

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg B - B1_Office 134	100	-	-	674
Bldg B - B1_Office 135	100	-	-	678
Bldg B - B1_Office 136	100	-	-	777
Bldg B - B1_Office 137	100	-	-	187
Bldg B - B1_Office 138	100	-	-	632
Bldg B - B1_Office 139	100	-	-	244
Bldg B - B1_Office 140	100	-	-	144
Bldg B - B1_Office 141	100	-	-	642
Bldg B - B1_Office 142	100	-	-	627
Bldg B - B1_Office 143	100	-	-	1277
Bldg B - B1_Office 144	100	-	-	2140
Bldg B - B1_Office 145	100	-	-	540
Bldg B - B1_Office 146	100	-	-	621
Bldg B - B1_Office 147	100	-	-	255
Bldg B - B1_Office 148	100	-	-	674
Bldg B - B1_Office 149	100	-	-	678
Bldg B - B1_Office 150	100	-	-	778
Bldg B - B1_Office 151	100	-	-	187
Bldg B - B1_Office 152	100	-	-	632
Bldg B - B1_Office 153	100	-	-	150
Bldg B - B1_Office 154	100	-	-	244
Bldg B - B1_Office 155	100	-	-	255
Bldg B - B1_Office 156	100	-	-	674
Bldg B - B1_Office 157	100	-	-	678
Bldg B - B1_Office 158	100	-	-	778
Bldg B - B1_Office 159	100	-	-	187
Bldg B - B1_Office 160	100	-	-	632
Bldg B - B1_Office 161	100	-	-	150
Bldg B - B1_Office 162	100	-	-	244
Bldg B - B1_Office 163	100	-	-	255
Bldg B - B1_Office 164	100	-	-	674
Bldg B - B1_Office 165	100	-	-	678
Bldg B - B1_Office 166	100	-	-	778
Bldg B - B1_Office 167	100	-	-	187
Bldg B - B1_Office 168	100	-	-	632
Bldg B - B1_Office 169	100	-	-	150
Bldg B - B1_Office 170	100	-	-	244
Bldg B - B1_Office 171	100	-	-	255
Bldg B - B1_Office 172	100	-	-	674
Bldg B - B1_Office 173	100	-	-	678
Bldg B - B1_Office 174	100	-	-	778
Bldg B - B1_Office 175	100	-	-	187
Bldg B - B1_Office 176	100	-	-	632

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg B - B1_Office 177	100	-	-	150
Bldg B - B1_Office 178	100	-	-	244
Bldg C - B1_Office 101	100	-	-	1113
Bldg C - B1_Office 102	100	-	-	569
Bldg C - B1_Office 103	100	-	-	280
Bldg C - B1_Office 104	100	-	-	289
Bldg C - B1_Office 105	100	-	-	570
Bldg C - B1_Office 106	100	-	-	372
Bldg C - B1_Office 107	100	-	-	157
Bldg C - B1_Office 108	100	-	-	603
Bldg C - B1_Office 109	100	-	-	192
Bldg C - B1_Office 110	100	-	-	206
Bldg C - B1_Office 111	100	-	-	837
Bldg C - B1_Office 112	100	-	-	603
Bldg C - B1_Office 113	100	-	-	158
Bldg C - B1_Office 114	100	-	-	1678
Bldg C - B1_Office 115	100	-	-	1526
Bldg C - B1_Office 116	100	-	-	540
Bldg C - B1_Office 117	100	-	-	666
Bldg C - B1_Office 118	100	-	-	766
Bldg C - B1_Office 119	100	-	-	1031
Bldg C - B1_Office 120	100	-	-	1113
Bldg C - B1_Office 121	100	-	-	569
Bldg C - B1_Office 122	100	-	-	280
Bldg C - B1_Office 123	100	-	-	289
Bldg C - B1_Office 124	100	-	-	570
Bldg C - B1_Office 125	100	-	-	372
Bldg C - B1_Office 126	100	-	-	157
Bldg C - B1_Office 127	100	-	-	192
Bldg C - B1_Office 128	100	-	-	603
Bldg C - B1_Office 129	100	-	-	206
Bldg C - B1_Office 130	100	-	-	837
Bldg C - B1_Office 131	100	-	-	603
Bldg C - B1_Office 132	100	-	-	158
Bldg C - B1_Office 133	100	-	-	1678
Bldg C - B1_Office 134	100	-	-	1526
Bldg C - B1_Office 135	100	-	-	666
Bldg C - B1_Office 136	100	-	-	540
Bldg C - B1_Office 137	100	-	-	766
Bldg C - B1_Office 138	100	-	-	682
Bldg C - B1_Office 139	100	-	-	609
Bldg C - B1_Office 140	100	-	-	317
Bldg C - B1_Office 141	100	-	-	192

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg C - B1_Office 142	100	-	-	603
Bldg C - B1_Office 143	100	-	-	206
Bldg C - B1_Office 144	100	-	-	837
Bldg C - B1_Office 145	100	-	-	603
Bldg C - B1_Office 146	100	-	-	158
Bldg C - B1_Office 147	100	-	-	1678
Bldg C - B1_Office 148	100	-	-	1526
Bldg C - B1_Office 149	100	-	-	666
Bldg C - B1_Office 150	100	-	-	540
Bldg C - B1_Office 151	100	-	-	766
Bldg C - B1_Office 152	100	-	-	682
Bldg C - B1_Office 153	100	-	-	609
Bldg C - B1_Office 154	100	-	-	317
Bldg C - B1_Office 155	100	-	-	192
Bldg C - B1_Office 156	100	-	-	603
Bldg C - B1_Office 157	100	-	-	206
Bldg C - B1_Office 158	100	-	-	178
Bldg C - B1_Office 159	100	-	-	659
Bldg C - B1_Office 160	100	-	-	603
Bldg C - B1_Office 161	100	-	-	158
Bldg C - B1_Office 162	100	-	-	1678
Bldg C - B1_Office 163	100	-	-	1526
Bldg C - B1_Office 164	100	-	-	666
Bldg C - B1_Office 165	100	-	-	540
Bldg C - B1_Office 166	100	-	-	766
Bldg C - B1_Office 167	100	-	-	682
Bldg C - B1_Office 168	100	-	-	609
Bldg C - B1_Office 169	100	-	-	317
Bldg C - B1_Office 170	100	-	-	192
Bldg C - B1_Office 171	100	-	-	603
Bldg C - B1_Office 172	100	-	-	206
Bldg C - B1_Office 173	100	-	-	178
Bldg C - B1_Office 174	100	-	-	767
Bldg C - B1_Office 175	100	-	-	682
Bldg C - B1_Office 176	100	-	-	609
Bldg C - B1_Office 177	100	-	-	317
Bldg C - B1_Office 178	100	-	-	192
Bldg C - B1_Office 179	100	-	-	603
Bldg C - B1_Office 180	100	-	-	178
Bldg C - B1_Office 181	100	-	-	206
Bldg C - B1_Office 182	100	-	-	767
Bldg C - B1_Office 183	100	-	-	682
Bldg C - B1_Office 184	100	-	-	609

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg C - B1_Office 185	100	-	-	317
Bldg C - B1_Office 186	100	-	-	192
Bldg C - B1_Office 187	100	-	-	603
Bldg C - B1_Office 188	100	-	-	178
Bldg C - B1_Office 189	100	-	-	206
Bldg C - B1_Office 190	100	-	-	609
Bldg C - B1_Office 191	100	-	-	682
Bldg C - B1_Office 192	100	-	-	767
Bldg C - B1_Office 193	100	-	-	317
Bldg C - B1_Office 194	100	-	-	192
Bldg C - B1_Office 195	100	-	-	603
Bldg C - B1_Office 196	100	-	-	178
Bldg C - B1_Office 197	100	-	-	206
Bldg C - B1_Office 198	100	-	-	767
Bldg C - B1_Office 199	100	-	-	682
Bldg C - B1_Office 200	100	-	-	609
Bldg C - B1_Office 201	100	-	-	317
Bldg D - B1_Office 101	100	-	-	545
Bldg D - B1_Office 102	100	-	-	1051
Bldg D - B1_Office 103	100	-	-	321
Bldg D - B1_Office 104	100	-	-	345
Bldg D - B1_Office 105	100	-	-	886
Bldg D - B1_Office 106	100	-	-	656
Bldg D - B1_Office 107	100	-	-	545
Bldg D - B1_Office 108	100	-	-	1051
Bldg D - B1_Office 109	100	-	-	321
Bldg D - B1_Office 110	100	-	-	345
Bldg D - B1_Office 111	100	-	-	886
Bldg D - B1_Office 112	100	-	-	656
Bldg D - B1_Office 113	100	-	-	545
Bldg D - B1_Office 114	100	-	-	1051
Bldg D - B1_Office 115	100	-	-	321
Bldg D - B1_Office 116	100	-	-	345
Bldg D - B1_Office 117	100	-	-	886
Bldg D - B1_Office 118	100	-	-	656
Bldg D - B1_Office 119	100	-	-	545
Bldg D - B1_Office 120	100	-	-	1051
Bldg D - B1_Office 121	100	-	-	321
Bldg D - B1_Office 122	100	-	-	345
Bldg D - B1_Office 123	100	-	-	886
Bldg D - B1_Office 124	100	-	-	656
Bldg D - B1_Office 125	100	-	-	545
Bldg D - B1_Office 126	100	-	-	1051

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg D - B1_Office 127	100	-	-	321
Bldg D - B1_Office 128	100	-	-	345
Bldg D - B1_Office 129	100	-	-	886
Bldg D - B1_Office 130	100	-	-	656
Bldg D - B1_Office 131	100	-	-	545
Bldg D - B1_Office 132	100	-	-	1051
Bldg D - B1_Office 133	100	-	-	321
Bldg D - B1_Office 134	100	-	-	345
Bldg D - B1_Office 135	100	-	-	886
Bldg D - B1_Office 136	100	-	-	656
Bldg D - B1_Office 137	100	-	-	545
Bldg D - B1_Office 138	100	-	-	1051
Bldg D - B1_Office 139	100	-	-	321
Bldg D - B1_Office 140	100	-	-	345
Bldg D - B1_Office 141	100	-	-	886
Bldg D - B1_Office 142	100	-	-	656
Bldg D - B1_Office 143	100	-	-	545
Bldg D - B1_Office 144	100	-	-	1051
Bldg D - B1_Office 145	100	-	-	321
Bldg D - B1_Office 146	100	-	-	345
Bldg D - B1_Office 147	100	-	-	886
Bldg D - B1_Office 148	100	-	-	656
Bldg D - B1_Office 149	100	-	-	545
Bldg D - B1_Office 150	100	-	-	1051
Bldg D - B1_Office 151	100	-	-	321
Bldg D - B1_Office 152	100	-	-	345
Bldg D - B1_Office 153	100	-	-	886
Bldg D - B1_Office 154	100	-	-	656
Bldg D - B1_Office 155	100	-	-	545
Bldg D - B1_Office 156	100	-	-	1051
Bldg D - B1_Office 157	100	-	-	321
Bldg D - B1_Office 158	100	-	-	345
Bldg D - B1_Office 159	100	-	-	886
Bldg D - B1_Office 160	100	-	-	656
Bldg D - B1_Office 161	100	-	-	545
Bldg D - B1_Office 162	100	-	-	1051
Bldg A - B1_Circulation 1 (Stairs)	-	100	-	336
Bldg A - B1_Circulation 2 (Stairs)	-	100	-	266
Bldg A - B1_Circulation 3	-	100	-	35
Bldg A - B1_Circulation 4	-	100	-	36
Bldg A - B1_Circulation 5	-	100	-	46
Bldg A - B1_Circulation 6	-	100	-	35
Bldg A - B1_Circulation 7	-	100	-	36

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg A - B1_Circulation 8	-	100	-	44
Bldg A - B1_Circulation 9	-	100	-	46
Bldg A - B1_Circulation 10	-	100	-	35
Bldg A - B1_Circulation 11	-	100	-	36
Bldg A - B1_Circulation 12	-	100	-	44
Bldg A - B1_Circulation 13	-	100	-	46
Bldg A - B1_Circulation 14	-	100	-	35
Bldg A - B1_Circulation 15	-	100	-	36
Bldg A - B1_Circulation 16	-	100	-	44
Bldg A - B1_Circulation 17	-	100	-	46
Bldg A - B1_Circulation 18	-	100	-	35
Bldg A - B1_Circulation 19	-	100	-	36
Bldg A - B1_Circulation 20	-	100	-	44
Bldg A - B1_Circulation 21	-	100	-	46
Bldg A - B1_Circulation 22	-	100	-	35
Bldg A - B1_Circulation 23	-	100	-	36
Bldg A - B1_Circulation 24	-	100	-	90
Bldg A - B1_Circulation 25	-	100	-	35
Bldg A - B1_Circulation 26	-	100	-	36
Bldg A - B1_Circulation 27	-	100	-	44
Bldg A - B1_Circulation 28	-	100	-	46
Bldg A - B1_Circulation 29	-	100	-	35
Bldg A - B1_Circulation 30	-	100	-	36
Bldg A - B1_Circulation 31	-	100	-	44
Bldg A - B1_Circulation 32	-	100	-	46
Bldg A - B1_Circulation 33	-	100	-	35
Bldg A - B1_Circulation 34	-	100	-	46
Bldg A - B1_Circulation 35	-	100	-	35
Bldg B - B1_Circulation 1 (Stairs)	-	100	-	467
Bldg B - B1_Circulation 2 (Stairs)	-	100	-	491
Bldg B - B1_Circulation 3 (Stairs)	-	100	-	356
Bldg B - B1_Circulation 4 (Stairs)	-	100	-	343
Bldg B - B1_Circulation 5	-	100	-	87
Bldg B - B1_Circulation 6	-	100	-	13
Bldg B - B1_Circulation 7	-	100	-	15
Bldg B - B1_Circulation 8	-	100	-	15
Bldg B - B1_Circulation 9	-	100	-	15
Bldg B - B1_Circulation 10	-	100	-	15
Bldg B - B1_Circulation 11	-	100	-	87
Bldg B - B1_Circulation 12	-	100	-	13
Bldg B - B1_Circulation 13	-	100	-	15
Bldg B - B1_Circulation 14	-	100	-	15
Bldg B - B1_Circulation 15	-	100	-	47

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg B - B1_Circulation 16	-	100	-	15
Bldg B - B1_Circulation 17	-	100	-	87
Bldg B - B1_Circulation 18	-	100	-	15
Bldg B - B1_Circulation 19	-	100	-	13
Bldg B - B1_Circulation 20	-	100	-	15
Bldg B - B1_Circulation 21	-	100	-	47
Bldg B - B1_Circulation 22	-	100	-	15
Bldg B - B1_Circulation 23	-	100	-	87
Bldg B - B1_Circulation 24	-	100	-	15
Bldg B - B1_Circulation 25	-	100	-	13
Bldg B - B1_Circulation 26	-	100	-	15
Bldg B - B1_Circulation 27	-	100	-	47
Bldg B - B1_Circulation 28	-	100	-	15
Bldg B - B1_Circulation 29	-	100	-	87
Bldg B - B1_Circulation 30	-	100	-	15
Bldg B - B1_Circulation 31	-	100	-	13
Bldg B - B1_Circulation 32	-	100	-	15
Bldg B - B1_Circulation 33	-	100	-	47
Bldg B - B1_Circulation 34	-	100	-	15
Bldg B - B1_Circulation 35	-	100	-	87
Bldg B - B1_Circulation 36	-	100	-	15
Bldg B - B1_Circulation 37	-	100	-	13
Bldg B - B1_Circulation 38	-	100	-	15
Bldg B - B1_Circulation 39	-	100	-	47
Bldg B - B1_Circulation 40	-	100	-	15
Bldg B - B1_Circulation 41	-	100	-	87
Bldg B - B1_Circulation 42	-	100	-	15
Bldg B - B1_Circulation 43	-	100	-	13
Bldg B - B1_Circulation 44	-	100	-	15
Bldg B - B1_Circulation 45	-	100	-	46
Bldg B - B1_Circulation 46	-	100	-	15
Bldg B - B1_Circulation 47	-	100	-	87
Bldg B - B1_Circulation 48	-	100	-	15
Bldg B - B1_Circulation 49	-	100	-	13
Bldg B - B1_Circulation 50	-	100	-	15
Bldg B - B1_Circulation 51	-	100	-	46
Bldg B - B1_Circulation 52	-	100	-	15
Bldg B - B1_Circulation 53	-	100	-	88
Bldg B - B1_Circulation 54	-	100	-	15
Bldg B - B1_Circulation 55	-	100	-	13
Bldg B - B1_Circulation 56	-	100	-	15
Bldg B - B1_Circulation 57	-	100	-	88
Bldg B - B1_Circulation 58	-	100	-	15

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg B - B1_Circulation 59	-	100	-	13
Bldg B - B1_Circulation 60	-	100	-	15
Bldg B - B1_Circulation 61	-	100	-	88
Bldg B - B1_Circulation 62	-	100	-	15
Bldg B - B1_Circulation 63	-	100	-	13
Bldg B - B1_Circulation 64	-	100	-	15
Bldg B - B1_Circulation 65	-	100	-	88
Bldg B - B1_Circulation 66	-	100	-	15
Bldg B - B1_Circulation 67	-	100	-	13
Bldg B - B1_Circulation 68	-	100	-	102
Bldg C - B1_Circulation 1 (Stairs)	-	100	-	522
Bldg C - B1_Circulation 2 (Stairs)	-	100	-	509
Bldg C - B1_Circulation 3 (Stairs)	-	100	-	392
Bldg C - B1_Circulation 4 (Stairs)	-	100	-	387
Bldg C - B1_Circulation 5	-	100	-	89
Bldg C - B1_Circulation 6	-	100	-	14
Bldg C - B1_Circulation 7	-	100	-	13
Bldg C - B1_Circulation 8	-	100	-	15
Bldg C - B1_Circulation 9	-	100	-	14
Bldg C - B1_Circulation 10	-	100	-	15
Bldg C - B1_Circulation 11	-	100	-	89
Bldg C - B1_Circulation 12	-	100	-	14
Bldg C - B1_Circulation 13	-	100	-	13
Bldg C - B1_Circulation 14	-	100	-	15
Bldg C - B1_Circulation 15	-	100	-	13
Bldg C - B1_Circulation 16	-	100	-	37
Bldg C - B1_Circulation 17	-	100	-	15
Bldg C - B1_Circulation 18	-	100	-	89
Bldg C - B1_Circulation 19	-	100	-	14
Bldg C - B1_Circulation 20	-	100	-	13
Bldg C - B1_Circulation 21	-	100	-	15
Bldg C - B1_Circulation 22	-	100	-	13
Bldg C - B1_Circulation 23	-	100	-	37
Bldg C - B1_Circulation 24	-	100	-	15
Bldg C - B1_Circulation 25	-	100	-	89
Bldg C - B1_Circulation 26	-	100	-	14
Bldg C - B1_Circulation 27	-	100	-	13
Bldg C - B1_Circulation 28	-	100	-	15
Bldg C - B1_Circulation 29	-	100	-	13
Bldg C - B1_Circulation 30	-	100	-	37
Bldg C - B1_Circulation 31	-	100	-	15
Bldg C - B1_Circulation 32	-	100	-	89
Bldg C - B1_Circulation 33	-	100	-	14

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg C - B1_Circulation 34	-	100	-	13
Bldg C - B1_Circulation 35	-	100	-	15
Bldg C - B1_Circulation 36	-	100	-	13
Bldg C - B1_Circulation 37	-	100	-	37
Bldg C - B1_Circulation 38	-	100	-	15
Bldg C - B1_Circulation 39	-	100	-	89
Bldg C - B1_Circulation 40	-	100	-	14
Bldg C - B1_Circulation 41	-	100	-	13
Bldg C - B1_Circulation 42	-	100	-	15
Bldg C - B1_Circulation 43	-	100	-	13
Bldg C - B1_Circulation 44	-	100	-	37
Bldg C - B1_Circulation 45	-	100	-	15
Bldg C - B1_Circulation 46	-	100	-	89
Bldg C - B1_Circulation 47	-	100	-	14
Bldg C - B1_Circulation 48	-	100	-	13
Bldg C - B1_Circulation 49	-	100	-	15
Bldg C - B1_Circulation 50	-	100	-	13
Bldg C - B1_Circulation 51	-	100	-	37
Bldg C - B1_Circulation 52	-	100	-	15
Bldg C - B1_Circulation 53	-	100	-	89
Bldg C - B1_Circulation 54	-	100	-	14
Bldg C - B1_Circulation 55	-	100	-	13
Bldg C - B1_Circulation 56	-	100	-	15
Bldg C - B1_Circulation 57	-	100	-	12
Bldg C - B1_Circulation 58	-	100	-	37
Bldg C - B1_Circulation 59	-	100	-	15
Bldg C - B1_Circulation 60	-	100	-	89
Bldg C - B1_Circulation 61	-	100	-	14
Bldg C - B1_Circulation 62	-	100	-	13
Bldg C - B1_Circulation 63	-	100	-	15
Bldg C - B1_Circulation 64	-	100	-	12
Bldg C - B1_Circulation 65	-	100	-	37
Bldg C - B1_Circulation 66	-	100	-	15
Bldg C - B1_Circulation 67	-	100	-	89
Bldg C - B1_Circulation 68	-	100	-	14
Bldg C - B1_Circulation 69	-	100	-	13
Bldg C - B1_Circulation 70	-	100	-	15
Bldg C - B1_Circulation 71	-	100	-	12
Bldg C - B1_Circulation 72	-	100	-	37
Bldg C - B1_Circulation 73	-	100	-	15
Bldg C - B1_Circulation 74	-	100	-	88
Bldg C - B1_Circulation 75	-	100	-	14
Bldg C - B1_Circulation 76	-	100	-	13

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg C - B1_Circulation 77	-	100	-	15
Bldg C - B1_Circulation 78	-	100	-	88
Bldg C - B1_Circulation 79	-	100	-	14
Bldg C - B1_Circulation 80	-	100	-	13
Bldg C - B1_Circulation 81	-	100	-	15
Bldg C - B1_Circulation 82	-	100	-	88
Bldg C - B1_Circulation 83	-	100	-	14
Bldg C - B1_Circulation 84	-	100	-	13
Bldg C - B1_Circulation 85	-	100	-	15
Bldg C - B1_Circulation 86	-	100	-	88
Bldg C - B1_Circulation 87	-	100	-	14
Bldg C - B1_Circulation 88	-	100	-	13
Bldg C - B1_Circulation 89	-	100	-	15
Bldg D - B1_Circulation 1 (Stairs)	-	100	-	743
Bldg D - B1_Circulation 2 (Stairs)	-	100	-	426
Bldg D - B1_Circulation 3	-	100	-	76
Bldg D - B1_Circulation 4	-	100	-	13
Bldg D - B1_Circulation 5	-	100	-	30
Bldg D - B1_Circulation 6	-	100	-	76
Bldg D - B1_Circulation 7	-	100	-	13
Bldg D - B1_Circulation 8	-	100	-	29
Bldg D - B1_Circulation 9	-	100	-	30
Bldg D - B1_Circulation 10	-	100	-	76
Bldg D - B1_Circulation 11	-	100	-	13
Bldg D - B1_Circulation 12	-	100	-	29
Bldg D - B1_Circulation 13	-	100	-	30
Bldg D - B1_Circulation 14	-	100	-	76
Bldg D - B1_Circulation 15	-	100	-	13
Bldg D - B1_Circulation 16	-	100	-	29
Bldg D - B1_Circulation 17	-	100	-	30
Bldg D - B1_Circulation 18	-	100	-	76
Bldg D - B1_Circulation 19	-	100	-	13
Bldg D - B1_Circulation 20	-	100	-	29
Bldg D - B1_Circulation 21	-	100	-	30
Bldg D - B1_Circulation 22	-	100	-	76
Bldg D - B1_Circulation 23	-	100	-	13
Bldg D - B1_Circulation 24	-	100	-	29
Bldg D - B1_Circulation 25	-	100	-	30
Bldg D - B1_Circulation 26	-	100	-	76
Bldg D - B1_Circulation 27	-	100	-	13
Bldg D - B1_Circulation 28	-	100	-	29
Bldg D - B1_Circulation 29	-	100	-	30
Bldg D - B1_Circulation 30	-	100	-	76

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg D - B1_Circulation 31	-	100	-	13
Bldg D - B1_Circulation 32	-	100	-	29
Bldg D - B1_Circulation 33	-	100	-	30
Bldg D - B1_Circulation 34	-	100	-	76
Bldg D - B1_Circulation 35	-	100	-	13
Bldg D - B1_Circulation 36	-	100	-	29
Bldg D - B1_Circulation 37	-	100	-	30
Bldg D - B1_Circulation 38	-	100	-	76
Bldg D - B1_Circulation 39	-	100	-	13
Bldg D - B1_Circulation 40	-	100	-	29
Bldg D - B1_Circulation 41	-	100	-	30
Bldg D - B1_Circulation 42	-	100	-	76
Bldg D - B1_Circulation 43	-	100	-	13
Bldg D - B1_Circulation 44	-	100	-	29
Bldg D - B1_Circulation 45	-	100	-	30
Bldg D - B1_Circulation 46	-	100	-	76
Bldg D - B1_Circulation 47	-	100	-	13
Bldg D - B1_Circulation 48	-	100	-	29
Bldg D - B1_Circulation 49	-	100	-	30
Bldg D - B1_Circulation 50	-	100	-	76
Bldg D - B1_Circulation 51	-	100	-	13
Bldg D - B1_Circulation 52	-	100	-	29
Bldg D - B1_Circulation 53	-	100	-	76
Bldg D - B1_Circulation 54	-	100	-	13
Bldg D - B1_Circulation 55	-	100	-	29
Bldg D - B1_Circulation 56	-	100	-	76
Bldg D - B1_Circulation 57	-	100	-	13
Bldg D - B1_Circulation 58	-	100	-	29
Bldg D - B1_Circulation 59	-	100	-	76
Bldg D - B1_Circulation 60	-	100	-	13
Bldg D - B1_Circulation 61	-	100	-	29
Bldg D - B1_Circulation 62	-	100	-	76
Bldg D - B1_Circulation 63	-	100	-	13
Bldg D - B1_Circulation 64	-	100	-	29
Bldg D - B1_Circulation 65	-	100	-	76
Bldg D - B1_Circulation 66	-	100	-	13
Bldg D - B1_Circulation 67	-	100	-	29
Bldg D - B1_Circulation 68	-	100	-	76
Bldg D - B1_Circulation 69	-	100	-	13
Bldg D - B1_Circulation 70	-	100	-	29
Bldg D - B1_Circulation 71	-	100	-	76
Bldg D - B1_Circulation 72	-	100	-	13
Bldg D - B1_Circulation 73	-	100	-	29

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg D - B1_Circulation 74	-	100	-	76
Bldg D - B1_Circulation 75	-	100	-	13
Bldg D - B1_Circulation 76	-	100	-	29
Bldg D - B1_Circulation 77	-	100	-	76
Bldg D - B1_Circulation 78	-	100	-	13
Bldg D - B1_Circulation 79	-	100	-	29
Bldg D - B1_Circulation 80	-	100	-	76
Bldg D - B1_Circulation 81	-	100	-	13
Bldg D - B1_Circulation 82	-	100	-	29
Bldg A - B1_Toilet 1	-	100	-	44
Bldg A - B1_Toilet 2	-	100	-	43
Bldg A - B1_Toilet 3	-	100	-	44
Bldg A - B1_Toilet 4	-	100	-	43
Bldg A - B1_Toilet 5	-	100	-	44
Bldg A - B1_Toilet 6	-	100	-	43
Bldg A - B1_Toilet 7	-	100	-	44
Bldg A - B1_Toilet 8	-	100	-	43
Bldg A - B1_Toilet 9	-	100	-	44
Bldg A - B1_Toilet 10	-	100	-	43
Bldg A - B1_Toilet 11	-	100	-	44
Bldg A - B1_Toilet 12	-	100	-	43
Bldg A - B1_Toilet 13	-	100	-	44
Bldg A - B1_Toilet 14	-	100	-	43
Bldg A - B1_Toilet 15	-	100	-	44
Bldg A - B1_Toilet 16	-	100	-	44
Bldg B - B1_Toilet 1	-	100	-	57
Bldg B - B1_Toilet 2	-	100	-	54
Bldg B - B1_Toilet 3	-	100	-	90
Bldg B - B1_Toilet 4	-	100	-	61
Bldg B - B1_Toilet 5	-	100	-	57
Bldg B - B1_Toilet 6	-	100	-	54
Bldg B - B1_Toilet 7	-	100	-	90
Bldg B - B1_Toilet 8	-	100	-	61
Bldg B - B1_Toilet 9	-	100	-	57
Bldg B - B1_Toilet 10	-	100	-	54
Bldg B - B1_Toilet 11	-	100	-	90
Bldg B - B1_Toilet 12	-	100	-	61
Bldg B - B1_Toilet 13	-	100	-	57
Bldg B - B1_Toilet 14	-	100	-	54
Bldg B - B1_Toilet 15	-	100	-	90
Bldg B - B1_Toilet 16	-	100	-	61
Bldg B - B1_Toilet 17	-	100	-	57
Bldg B - B1_Toilet 18	-	100	-	54

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg B - B1_Toilet 19	-	100	-	90
Bldg B - B1_Toilet 20	-	100	-	61
Bldg B - B1_Toilet 21	-	100	-	57
Bldg B - B1_Toilet 22	-	100	-	54
Bldg B - B1_Toilet 23	-	100	-	90
Bldg B - B1_Toilet 24	-	100	-	61
Bldg B - B1_Toilet 25	-	100	-	57
Bldg B - B1_Toilet 26	-	100	-	54
Bldg B - B1_Toilet 27	-	100	-	90
Bldg B - B1_Toilet 28	-	100	-	61
Bldg B - B1_Toilet 29	-	100	-	57
Bldg B - B1_Toilet 30	-	100	-	54
Bldg B - B1_Toilet 31	-	100	-	90
Bldg B - B1_Toilet 32	-	100	-	61
Bldg B - B1_Toilet 33	-	100	-	57
Bldg B - B1_Toilet 34	-	100	-	54
Bldg B - B1_Toilet 35	-	100	-	90
Bldg B - B1_Toilet 36	-	100	-	57
Bldg B - B1_Toilet 37	-	100	-	54
Bldg B - B1_Toilet 38	-	100	-	90
Bldg B - B1_Toilet 39	-	100	-	57
Bldg B - B1_Toilet 40	-	100	-	54
Bldg C - B1_Toilet 1	-	100	-	61
Bldg C - B1_Toilet 2	-	100	-	56
Bldg C - B1_Toilet 3	-	100	-	91
Bldg C - B1_Toilet 4	-	100	-	63
Bldg C - B1_Toilet 5	-	100	-	61
Bldg C - B1_Toilet 6	-	100	-	56
Bldg C - B1_Toilet 7	-	100	-	91
Bldg C - B1_Toilet 8	-	100	-	63
Bldg C - B1_Toilet 9	-	100	-	61
Bldg C - B1_Toilet 10	-	100	-	56
Bldg C - B1_Toilet 11	-	100	-	91
Bldg C - B1_Toilet 12	-	100	-	63
Bldg C - B1_Toilet 13	-	100	-	61
Bldg C - B1_Toilet 14	-	100	-	56
Bldg C - B1_Toilet 15	-	100	-	91
Bldg C - B1_Toilet 16	-	100	-	63
Bldg C - B1_Toilet 17	-	100	-	61
Bldg C - B1_Toilet 18	-	100	-	56
Bldg C - B1_Toilet 19	-	100	-	91
Bldg C - B1_Toilet 20	-	100	-	63
Bldg C - B1_Toilet 21	-	100	-	61

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg C - B1_Toilet 22	-	100	-	56
Bldg C - B1_Toilet 23	-	100	-	91
Bldg C - B1_Toilet 24	-	100	-	63
Bldg C - B1_Toilet 25	-	100	-	61
Bldg C - B1_Toilet 26	-	100	-	56
Bldg C - B1_Toilet 27	-	100	-	91
Bldg C - B1_Toilet 28	-	100	-	63
Bldg C - B1_Toilet 29	-	100	-	61
Bldg C - B1_Toilet 30	-	100	-	56
Bldg C - B1_Toilet 31	-	100	-	91
Bldg C - B1_Toilet 32	-	100	-	63
Bldg C - B1_Toilet 33	-	100	-	61
Bldg C - B1_Toilet 34	-	100	-	56
Bldg C - B1_Toilet 35	-	100	-	91
Bldg C - B1_Toilet 36	-	100	-	63
Bldg C - B1_Toilet 37	-	100	-	61
Bldg C - B1_Toilet 38	-	100	-	56
Bldg C - B1_Toilet 39	-	100	-	91
Bldg C - B1_Toilet 40	-	100	-	61
Bldg D - B1_Toilet 1	-	100	-	72
Bldg D - B1_Toilet 2	-	100	-	67
Bldg D - B1_Toilet 3	-	100	-	76
Bldg D - B1_Toilet 4	-	100	-	72
Bldg D - B1_Toilet 5	-	100	-	67
Bldg D - B1_Toilet 6	-	100	-	76
Bldg D - B1_Toilet 7	-	100	-	72
Bldg D - B1_Toilet 8	-	100	-	67
Bldg D - B1_Toilet 9	-	100	-	76
Bldg D - B1_Toilet 10	-	100	-	72
Bldg D - B1_Toilet 11	-	100	-	67
Bldg D - B1_Toilet 12	-	100	-	76
Bldg D - B1_Toilet 13	-	100	-	72
Bldg D - B1_Toilet 14	-	100	-	67
Bldg D - B1_Toilet 15	-	100	-	76
Bldg D - B1_Toilet 16	-	100	-	72
Bldg D - B1_Toilet 17	-	100	-	67
Bldg D - B1_Toilet 18	-	100	-	76
Bldg D - B1_Toilet 19	-	100	-	72
Bldg D - B1_Toilet 20	-	100	-	67
Bldg D - B1_Toilet 21	-	100	-	76
Bldg D - B1_Toilet 22	-	100	-	72
Bldg D - B1_Toilet 23	-	100	-	67
Bldg D - B1_Toilet 24	-	100	-	76

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg D - B1_Toilet 25	-	100	-	72
Bldg D - B1_Toilet 26	-	100	-	67
Bldg D - B1_Toilet 27	-	100	-	76
Bldg D - B1_Toilet 28	-	100	-	72
Bldg D - B1_Toilet 29	-	100	-	67
Bldg D - B1_Toilet 30	-	100	-	76
Bldg D - B1_Toilet 31	-	100	-	72
Bldg D - B1_Toilet 32	-	100	-	67
Bldg D - B1_Toilet 33	-	100	-	76
Bldg D - B1_Toilet 34	-	100	-	72
Bldg D - B1_Toilet 35	-	100	-	67
Bldg D - B1_Toilet 36	-	100	-	76
Bldg D - B1_Toilet 37	-	100	-	67
Bldg D - B1_Toilet 38	-	100	-	76
Bldg D - B1_Toilet 39	-	100	-	67
Bldg D - B1_Toilet 40	-	100	-	76
Bldg B - B1_Toilet 41	-	100	-	90
Bldg B - B1_Toilet 42	-	100	-	57
Bldg B - B1_Toilet 43	-	100	-	54
Bldg B - B1_Toilet 44	-	100	-	90
Bldg B - B1_Circulation 101	-	100	-	15
Bldg B - B1_Circulation 102	-	100	-	13
Bldg B - B1_Circulation 103	-	100	-	15
Bldg B - B1_Circulation 104	-	100	-	47
Bldg B - B1_Circulation 105	-	100	-	15
Bldg C - B1_Toilet 41	-	100	-	56
Bldg C - B1_Toilet 42	-	100	-	91
Bldg C - B1_Toilet 43	-	100	-	61
Bldg C - B1_Toilet 44	-	100	-	56
Bldg C - B1_Toilet 45	-	100	-	91
Bldg C - B1_Toilet 46	-	100	-	61
Bldg C - B1_Toilet 47	-	100	-	56
Bldg C - B1_Toilet 48	-	100	-	91
Bldg D - B1_Toilet 41	-	100	-	67
Bldg D - B1_Toilet 42	-	100	-	76
Bldg D - B1_Toilet 43	-	100	-	67
Bldg D - B1_Toilet 44	-	100	-	76
Bldg D - B1_Toilet 45	-	100	-	67
Bldg D - B1_Toilet 46	-	100	-	76
Bldg D - B1_Toilet 47	-	100	-	67
Bldg D - B1_Toilet 48	-	100	-	76
Bldg D - B1_Toilet 49	-	100	-	67
Bldg D - B1_Toilet 50	-	100	-	76

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg D - B1_Toilet 51	-	100	-	67
Bldg D - B1_Toilet 52	-	100	-	76
Bldg D - B1_Toilet 53	-	100	-	67
Bldg D - B1_Toilet 54	-	100	-	76
Bldg D - B1_Toilet 55	-	100	-	67
Bldg D - B1_Toilet 56	-	100	-	76
Bldg A - B1_Store (Refuse) 1	100	-	-	82
Bldg B - B1_Store (Refuse) 1	100	-	-	131
Bldg C - B1_Store (Refuse) 1	100	-	-	127
Bldg D - B1_Store (Refuse) 1	100	-	-	128
Bldg A - B1_Plant 1	100	-	-	911
Bldg B - B1_Plant 1	100	-	-	234
Bldg B - B1_Plant 2	100	-	-	329
Bldg C - B1_Plant 1	100	-	-	334
Bldg C - B1_Plant 2	100	-	-	328
Bldg D - B1_Plant 1	100	-	-	1122

Criterion 3: The spaces in the building should have appropriate passive control measures to limit solar gains

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
Bldg A - B1_Office 1	NO (-39%)	NO
Bldg A - B1_Office 2	NO (-24%)	NO
Bldg A - B1_Office 3	NO (-19%)	NO
Bldg A - B1_Office 4	YES (+2%)	NO
Bldg A - B1_Office 5	NO (-18%)	NO
Bldg A - B1_Office 6	NO (-36%)	NO
Bldg A - B1_Office 7	NO (-32%)	NO
Bldg A - B1_Office 8	NO (-35%)	NO
Bldg A - B1_Office 9	NO (-84%)	NO
Bldg A - B1_Office 10	NO (-22%)	NO
Bldg A - B1_Office 11	NO (-39%)	NO
Bldg A - B1_Office 12	NO (-37%)	NO
Bldg A - B1_Office 13	NO (-42%)	NO
Bldg A - B1_Office 14	NO (-24%)	NO
Bldg A - B1_Office 15	NO (-21%)	NO
Bldg A - B1_Office 16	YES (+16%)	NO
Bldg A - B1_Office 17	YES (+2%)	NO
Bldg A - B1_Office 18	NO (-20%)	NO
Bldg A - B1_Office 19	NO (-35%)	NO
Bldg A - B1_Office 20	NO (-32%)	NO
Bldg A - B1_Office 21	NO (-38%)	NO
Bldg A - B1_Office 22	NO (-84%)	NO
Bldg A - B1_Office 23	NO (-21%)	NO
Bldg A - B1_Office 24	NO (-38%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
Bldg A - B1_Office 25	NO (-34%)	NO
Bldg A - B1_Office 26	NO (-41%)	NO
Bldg A - B1_Office 27	NO (-25%)	NO
Bldg A - B1_Office 28	NO (-21%)	NO
Bldg A - B1_Office 29	YES (+16%)	NO
Bldg A - B1_Office 30	YES (+2%)	NO
Bldg A - B1_Office 31	NO (-20%)	NO
Bldg A - B1_Office 32	NO (-36%)	NO
Bldg A - B1_Office 33	NO (-31%)	NO
Bldg A - B1_Office 34	NO (-37%)	NO
Bldg A - B1_Office 35	NO (-83%)	NO
Bldg A - B1_Office 36	NO (-17%)	NO
Bldg A - B1_Office 37	NO (-36%)	NO
Bldg A - B1_Office 38	NO (-34%)	NO
Bldg A - B1_Office 39	NO (-41%)	NO
Bldg A - B1_Office 40	NO (-25%)	NO
Bldg A - B1_Office 41	NO (-22%)	NO
Bldg A - B1_Office 42	NO (-21%)	NO
Bldg A - B1_Office 43	YES (+16%)	NO
Bldg A - B1_Office 44	YES (+2%)	NO
Bldg A - B1_Office 45	NO (-19%)	NO
Bldg A - B1_Office 46	NO (-30%)	NO
Bldg A - B1_Office 47	NO (-37%)	NO
Bldg A - B1_Office 48	NO (-31%)	NO
Bldg A - B1_Office 49	NO (-36%)	NO
Bldg A - B1_Office 50	NO (-84%)	NO
Bldg A - B1_Office 51	NO (-8%)	NO
Bldg A - B1_Office 52	NO (-33%)	NO
Bldg A - B1_Office 53	NO (-24%)	NO
Bldg A - B1_Office 54	NO (-28%)	NO
Bldg A - B1_Office 55	NO (-17%)	NO
Bldg A - B1_Office 56	NO (-36%)	NO
Bldg A - B1_Office 57	NO (-16%)	NO
Bldg A - B1_Office 58	NO (-33%)	NO
Bldg A - B1_Office 59	NO (-28%)	NO
Bldg A - B1_Office 60	NO (-66%)	NO
Bldg A - B1_Office 61	NO (-57%)	NO
Bldg A - B1_Office 62	YES (+4%)	NO
Bldg A - B1_Office 63	NO (-18%)	NO
Bldg A - B1_Office 64	NO (-22%)	NO
Bldg A - B1_Office 65	NO (-39%)	NO
Bldg A - B1_Office 66	NO (-34%)	NO
Bldg A - B1_Office 67	NO (-32%)	NO
Bldg A - B1_Office 68	NO (-15%)	NO
Bldg A - B1_Office 69	NO (-21%)	NO
Bldg A - B1_Office 70	YES (+18%)	NO
Bldg A - B1_Office 71	NO (-67%)	NO
Bldg A - B1_Office 72	NO (-56%)	NO
Bldg A - B1_Office 73	NO (-1%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
Bldg A - B1_Office 74	NO (-31%)	NO
Bldg A - B1_Office 75	NO (-24%)	NO
Bldg A - B1_Office 76	NO (-27%)	NO
Bldg A - B1_Office 77	NO (-16%)	NO
Bldg A - B1_Office 78	NO (-35%)	NO
Bldg A - B1_Office 79	NO (-14%)	NO
Bldg A - B1_Office 80	NO (-31%)	NO
Bldg A - B1_Office 81	NO (-25%)	NO
Bldg A - B1_Office 82	NO (-56%)	NO
Bldg A - B1_Office 83	NO (-65%)	NO
Bldg A - B1_Office 84	YES (+4%)	NO
Bldg A - B1_Office 85	NO (-17%)	NO
Bldg A - B1_Office 86	NO (-19%)	NO
Bldg A - B1_Office 87	NO (-37%)	NO
Bldg A - B1_Office 88	NO (-33%)	NO
Bldg A - B1_Office 89	NO (-31%)	NO
Bldg A - B1_Office 90	NO (-15%)	NO
Bldg A - B1_Office 91	NO (-21%)	NO
Bldg A - B1_Office 92	YES (+18%)	NO
Bldg A - B1_Office 93	NO (-66%)	NO
Bldg A - B1_Office 94	NO (-56%)	NO
Bldg A - B1_Office 95	YES (+5%)	NO
Bldg A - B1_Office 96	NO (-29%)	NO
Bldg A - B1_Office 97	NO (-23%)	NO
Bldg A - B1_Office 98	NO (-27%)	NO
Bldg A - B1_Office 99	NO (-14%)	NO
Bldg A - B1_Office 100	NO (-33%)	NO
Bldg B - B1_Office 1	NO (-15%)	NO
Bldg B - B1_Office 2	NO (-14%)	NO
Bldg B - B1_Office 3	NO (-16%)	NO
Bldg B - B1_Office 4	NO (-15%)	NO
Bldg B - B1_Office 5	NO (-52%)	NO
Bldg B - B1_Office 6	NO (-71%)	NO
Bldg B - B1_Office 7	NO (-65%)	NO
Bldg B - B1_Office 8	NO (-34%)	NO
Bldg B - B1_Office 9	NO (-36%)	NO
Bldg B - B1_Office 10	NO (-46%)	NO
Bldg B - B1_Office 11	NO (-36%)	NO
Bldg B - B1_Office 12	NO (-52%)	NO
Bldg B - B1_Office 13	NO (-49%)	NO
Bldg B - B1_Office 14	NO (-12%)	NO
Bldg B - B1_Office 15	NO (-14%)	NO
Bldg B - B1_Office 16	NO (-63%)	NO
Bldg B - B1_Office 17	NO (-15%)	NO
Bldg B - B1_Office 18	NO (-15%)	NO
Bldg B - B1_Office 19	NO (-40%)	NO
Bldg B - B1_Office 20	NO (-23%)	NO
Bldg B - B1_Office 21	NO (-36%)	NO
Bldg B - B1_Office 22	NO (-45%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
Bldg B - B1_Office 23	NO (-36%)	NO
Bldg B - B1_Office 24	NO (-38%)	NO
Bldg B - B1_Office 25	NO (-73%)	NO
Bldg B - B1_Office 26	NO (-41%)	NO
Bldg B - B1_Office 27	NO (-46%)	NO
Bldg B - B1_Office 28	NO (-49%)	NO
Bldg B - B1_Office 29	NO (-51%)	NO
Bldg B - B1_Office 30	NO (-79%)	NO
Bldg B - B1_Office 31	NO (-12%)	NO
Bldg B - B1_Office 32	NO (-14%)	NO
Bldg B - B1_Office 33	NO (-63%)	NO
Bldg B - B1_Office 34	NO (-15%)	NO
Bldg B - B1_Office 35	NO (-15%)	NO
Bldg B - B1_Office 36	NO (-39%)	NO
Bldg B - B1_Office 37	NO (-21%)	NO
Bldg B - B1_Office 38	NO (-36%)	NO
Bldg B - B1_Office 39	NO (-46%)	NO
Bldg B - B1_Office 40	NO (-35%)	NO
Bldg B - B1_Office 41	NO (-35%)	NO
Bldg B - B1_Office 42	NO (-75%)	NO
Bldg B - B1_Office 43	NO (-38%)	NO
Bldg B - B1_Office 44	NO (-48%)	NO
Bldg B - B1_Office 45	NO (-49%)	NO
Bldg B - B1_Office 46	NO (-43%)	NO
Bldg B - B1_Office 47	NO (-80%)	NO
Bldg B - B1_Office 48	NO (-12%)	NO
Bldg B - B1_Office 49	NO (-14%)	NO
Bldg B - B1_Office 50	NO (-63%)	NO
Bldg B - B1_Office 51	NO (-15%)	NO
Bldg B - B1_Office 52	NO (-15%)	NO
Bldg B - B1_Office 53	NO (-39%)	NO
Bldg B - B1_Office 54	NO (-16%)	NO
Bldg B - B1_Office 55	NO (-35%)	NO
Bldg B - B1_Office 56	NO (-45%)	NO
Bldg B - B1_Office 57	NO (-34%)	NO
Bldg B - B1_Office 58	NO (-34%)	NO
Bldg B - B1_Office 59	NO (-77%)	NO
Bldg B - B1_Office 60	NO (-37%)	NO
Bldg B - B1_Office 61	NO (-71%)	NO
Bldg B - B1_Office 62	NO (-40%)	NO
Bldg B - B1_Office 63	NO (-72%)	NO
Bldg B - B1_Office 64	NO (-49%)	NO
Bldg B - B1_Office 65	NO (-48%)	NO
Bldg B - B1_Office 66	NO (-80%)	NO
Bldg B - B1_Office 67	NO (-13%)	NO
Bldg B - B1_Office 68	NO (-31%)	NO
Bldg B - B1_Office 69	NO (-32%)	NO
Bldg B - B1_Office 70	NO (-74%)	NO
Bldg B - B1_Office 71	NO (-35%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
Bldg B - B1_Office 72	NO (-12%)	NO
Bldg B - B1_Office 73	NO (-14%)	NO
Bldg B - B1_Office 74	NO (-63%)	NO
Bldg B - B1_Office 75	NO (-15%)	NO
Bldg B - B1_Office 76	NO (-15%)	NO
Bldg B - B1_Office 77	NO (-38%)	NO
Bldg B - B1_Office 78	NO (-80%)	NO
Bldg B - B1_Office 79	NO (-47%)	NO
Bldg B - B1_Office 80	NO (-47%)	NO
Bldg B - B1_Office 81	NO (-10%)	NO
Bldg B - B1_Office 82	NO (-32%)	NO
Bldg B - B1_Office 83	NO (-31%)	NO
Bldg B - B1_Office 84	NO (-61%)	NO
Bldg B - B1_Office 85	NO (-4%)	NO
Bldg B - B1_Office 86	NO (-28%)	NO
Bldg B - B1_Office 87	NO (-30%)	NO
Bldg B - B1_Office 88	NO (-72%)	NO
Bldg B - B1_Office 89	NO (-29%)	NO
Bldg B - B1_Office 90	NO (-12%)	NO
Bldg B - B1_Office 91	NO (-13%)	NO
Bldg B - B1_Office 92	NO (-63%)	NO
Bldg B - B1_Office 93	NO (-14%)	NO
Bldg B - B1_Office 94	NO (-15%)	NO
Bldg B - B1_Office 95	NO (-37%)	NO
Bldg B - B1_Office 96	NO (-80%)	NO
Bldg B - B1_Office 97	NO (-47%)	NO
Bldg B - B1_Office 98	NO (-45%)	NO
Bldg B - B1_Office 99	NO (-7%)	NO
Bldg B - B1_Office 100	NO (-32%)	NO
Bldg C - B1_Office 1	NO (-15%)	NO
Bldg C - B1_Office 2	NO (-14%)	NO
Bldg C - B1_Office 3	NO (-64%)	NO
Bldg C - B1_Office 4	NO (-14%)	NO
Bldg C - B1_Office 5	NO (-15%)	NO
Bldg C - B1_Office 6	NO (-63%)	NO
Bldg C - B1_Office 7	NO (-51%)	NO
Bldg C - B1_Office 9	NO (-36%)	NO
Bldg C - B1_Office 10	NO (-50%)	NO
Bldg C - B1_Office 11	NO (-46%)	NO
Bldg C - B1_Office 12	NO (-36%)	NO
Bldg C - B1_Office 13	NO (-36%)	NO
Bldg C - B1_Office 14	NO (-14%)	NO
Bldg C - B1_Office 15	NO (-15%)	NO
Bldg C - B1_Office 16	NO (-63%)	NO
Bldg C - B1_Office 17	NO (-13%)	NO
Bldg C - B1_Office 18	NO (-16%)	NO
Bldg C - B1_Office 19	NO (-63%)	NO
Bldg C - B1_Office 20	NO (-36%)	NO
Bldg C - B1_Office 21	NO (-91%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
Bldg C - B1_Office 22	NO (-98%)	NO
Bldg C - B1_Office 23	NO (-98%)	NO
Bldg C - B1_Office 24	NO (-96%)	NO
Bldg C - B1_Office 25	NO (-80%)	NO
Bldg C - B1_Office 26	NO (-43%)	NO
Bldg C - B1_Office 27	NO (-36%)	NO
Bldg C - B1_Office 28	NO (-46%)	NO
Bldg C - B1_Office 29	NO (-95%)	NO
Bldg C - B1_Office 30	NO (-36%)	NO
Bldg C - B1_Office 31	NO (-15%)	NO
Bldg C - B1_Office 32	NO (-14%)	NO
Bldg C - B1_Office 33	NO (-15%)	NO
Bldg C - B1_Office 34	NO (-63%)	NO
Bldg C - B1_Office 35	NO (-13%)	NO
Bldg C - B1_Office 36	NO (-16%)	NO
Bldg C - B1_Office 37	NO (-63%)	NO
Bldg C - B1_Office 38	NO (-36%)	NO
Bldg C - B1_Office 39	NO (-91%)	NO
Bldg C - B1_Office 40	NO (-98%)	NO
Bldg C - B1_Office 41	NO (-98%)	NO
Bldg C - B1_Office 42	NO (-97%)	NO
Bldg C - B1_Office 43	NO (-81%)	NO
Bldg C - B1_Office 44	NO (-41%)	NO
Bldg C - B1_Office 45	NO (-36%)	NO
Bldg C - B1_Office 46	NO (-47%)	NO
Bldg C - B1_Office 47	NO (-95%)	NO
Bldg C - B1_Office 48	NO (-36%)	NO
Bldg C - B1_Office 49	NO (-15%)	NO
Bldg C - B1_Office 50	NO (-14%)	NO
Bldg C - B1_Office 51	NO (-15%)	NO
Bldg C - B1_Office 52	NO (-63%)	NO
Bldg C - B1_Office 53	NO (-13%)	NO
Bldg C - B1_Office 54	NO (-16%)	NO
Bldg C - B1_Office 55	NO (-63%)	NO
Bldg C - B1_Office 56	NO (-36%)	NO
Bldg C - B1_Office 57	NO (-91%)	NO
Bldg C - B1_Office 58	NO (-98%)	NO
Bldg C - B1_Office 59	NO (-98%)	NO
Bldg C - B1_Office 60	NO (-96%)	NO
Bldg C - B1_Office 61	NO (-82%)	NO
Bldg C - B1_Office 62	NO (-39%)	NO
Bldg C - B1_Office 63	NO (-34%)	NO
Bldg C - B1_Office 64	NO (-47%)	NO
Bldg C - B1_Office 65	NO (-85%)	NO
Bldg C - B1_Office 66	NO (-95%)	NO
Bldg C - B1_Office 67	NO (-36%)	NO
Bldg C - B1_Office 68	NO (-74%)	NO
Bldg C - B1_Office 69	NO (-14%)	NO
Bldg C - B1_Office 70	NO (-14%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
Bldg C - B1_Office 71	NO (-15%)	NO
Bldg C - B1_Office 72	NO (-62%)	NO
Bldg C - B1_Office 73	NO (-12%)	NO
Bldg C - B1_Office 74	NO (-16%)	NO
Bldg C - B1_Office 75	NO (-63%)	NO
Bldg C - B1_Office 76	NO (-35%)	NO
Bldg C - B1_Office 77	NO (-82%)	NO
Bldg C - B1_Office 78	NO (-47%)	NO
Bldg C - B1_Office 79	NO (-45%)	NO
Bldg C - B1_Office 80	NO (-38%)	NO
Bldg C - B1_Office 81	NO (-74%)	NO
Bldg C - B1_Office 82	NO (-37%)	NO
Bldg C - B1_Office 83	NO (-31%)	NO
Bldg C - B1_Office 84	NO (-15%)	NO
Bldg C - B1_Office 85	NO (-34%)	NO
Bldg C - B1_Office 86	NO (-31%)	NO
Bldg C - B1_Office 87	NO (-60%)	NO
Bldg C - B1_Office 88	NO (-11%)	NO
Bldg C - B1_Office 89	NO (-14%)	NO
Bldg C - B1_Office 90	NO (-15%)	NO
Bldg C - B1_Office 91	NO (-62%)	NO
Bldg C - B1_Office 92	NO (-12%)	NO
Bldg C - B1_Office 93	NO (-16%)	NO
Bldg C - B1_Office 94	NO (-63%)	NO
Bldg C - B1_Office 95	NO (-35%)	NO
Bldg C - B1_Office 96	NO (-82%)	NO
Bldg C - B1_Office 97	NO (-45%)	NO
Bldg C - B1_Office 98	NO (-47%)	NO
Bldg C - B1_Office 99	NO (-34%)	NO
Bldg C - B1_Office 100	NO (-73%)	NO
Bldg D - B1_Office 1	YES (+2%)	NO
Bldg D - B1_Office 2	YES (+1%)	NO
Bldg D - B1_Office 3	NO (-25%)	NO
Bldg D - B1_Office 4	NO (-46%)	NO
Bldg D - B1_Office 5	NO (-38%)	NO
Bldg D - B1_Office 6	NO (-32%)	NO
Bldg D - B1_Office 7	NO (-15%)	NO
Bldg D - B1_Office 8	NO (-77%)	NO
Bldg D - B1_Office 9	YES (+1%)	NO
Bldg D - B1_Office 10	YES (+2%)	NO
Bldg D - B1_Office 11	NO (-29%)	NO
Bldg D - B1_Office 12	NO (-40%)	NO
Bldg D - B1_Office 13	NO (-31%)	NO
Bldg D - B1_Office 14	NO (-15%)	NO
Bldg D - B1_Office 15	NO (-72%)	NO
Bldg D - B1_Office 16	NO (-9%)	NO
Bldg D - B1_Office 17	YES (+1%)	NO
Bldg D - B1_Office 18	YES (+1%)	NO
Bldg D - B1_Office 19	NO (-29%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
Bldg D - B1_Office 20	NO (-38%)	NO
Bldg D - B1_Office 21	NO (-31%)	NO
Bldg D - B1_Office 22	NO (-15%)	NO
Bldg D - B1_Office 23	NO (-73%)	NO
Bldg D - B1_Office 24	NO (-8%)	NO
Bldg D - B1_Office 25	YES (+1%)	NO
Bldg D - B1_Office 26	YES (+1%)	NO
Bldg D - B1_Office 27	NO (-29%)	NO
Bldg D - B1_Office 28	NO (-37%)	NO
Bldg D - B1_Office 29	NO (-31%)	NO
Bldg D - B1_Office 30	NO (-15%)	NO
Bldg D - B1_Office 31	NO (-73%)	NO
Bldg D - B1_Office 32	NO (-8%)	NO
Bldg D - B1_Office 33	YES (+1%)	NO
Bldg D - B1_Office 34	YES (+1%)	NO
Bldg D - B1_Office 35	NO (-29%)	NO
Bldg D - B1_Office 36	NO (-36%)	NO
Bldg D - B1_Office 37	NO (-31%)	NO
Bldg D - B1_Office 38	NO (-15%)	NO
Bldg D - B1_Office 39	NO (-73%)	NO
Bldg D - B1_Office 40	NO (-8%)	NO
Bldg D - B1_Office 41	YES (+1%)	NO
Bldg D - B1_Office 42	YES (+1%)	NO
Bldg D - B1_Office 43	NO (-29%)	NO
Bldg D - B1_Office 44	NO (-34%)	NO
Bldg D - B1_Office 45	NO (-31%)	NO
Bldg D - B1_Office 46	NO (-15%)	NO
Bldg D - B1_Office 47	NO (-72%)	NO
Bldg D - B1_Office 48	NO (-8%)	NO
Bldg D - B1_Office 49	YES (+1%)	NO
Bldg D - B1_Office 50	YES (+1%)	NO
Bldg D - B1_Office 51	NO (-28%)	NO
Bldg D - B1_Office 52	NO (-32%)	NO
Bldg D - B1_Office 53	NO (-31%)	NO
Bldg D - B1_Office 54	NO (-15%)	NO
Bldg D - B1_Office 55	NO (-72%)	NO
Bldg D - B1_Office 56	NO (-8%)	NO
Bldg D - B1_Office 57	NO (-15%)	NO
Bldg D - B1_Office 58	NO (-30%)	NO
Bldg D - B1_Office 59	NO (-29%)	NO
Bldg D - B1_Office 60	NO (-28%)	NO
Bldg D - B1_Office 61	YES (+2%)	NO
Bldg D - B1_Office 62	YES (+1%)	NO
Bldg D - B1_Office 63	NO (-71%)	NO
Bldg D - B1_Office 64	NO (-8%)	NO
Bldg D - B1_Office 65	YES (+1%)	NO
Bldg D - B1_Office 66	YES (+2%)	NO
Bldg D - B1_Office 67	NO (-27%)	NO
Bldg D - B1_Office 68	NO (-27%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
Bldg D - B1_Office 69	NO (-30%)	NO
Bldg D - B1_Office 70	NO (-15%)	NO
Bldg D - B1_Office 71	NO (-70%)	NO
Bldg D - B1_Office 72	NO (-8%)	NO
Bldg D - B1_Office 73	YES (+1%)	NO
Bldg D - B1_Office 74	YES (+2%)	NO
Bldg D - B1_Office 75	NO (-27%)	NO
Bldg D - B1_Office 76	NO (-26%)	NO
Bldg D - B1_Office 77	NO (-29%)	NO
Bldg D - B1_Office 78	NO (-15%)	NO
Bldg D - B1_Office 79	NO (-69%)	NO
Bldg D - B1_Office 80	NO (-8%)	NO
Bldg D - B1_Office 81	YES (+1%)	NO
Bldg D - B1_Office 82	YES (+2%)	NO
Bldg D - B1_Office 83	NO (-26%)	NO
Bldg D - B1_Office 84	NO (-25%)	NO
Bldg D - B1_Office 85	NO (-28%)	NO
Bldg D - B1_Office 86	NO (-15%)	NO
Bldg D - B1_Office 87	NO (-68%)	NO
Bldg D - B1_Office 88	NO (-7%)	NO
Bldg D - B1_Office 89	YES (+1%)	NO
Bldg D - B1_Office 90	YES (+2%)	NO
Bldg D - B1_Office 91	NO (-25%)	NO
Bldg D - B1_Office 92	NO (-24%)	NO
Bldg D - B1_Office 93	NO (-27%)	NO
Bldg D - B1_Office 94	NO (-15%)	NO
Bldg D - B1_Office 95	NO (-68%)	NO
Bldg D - B1_Office 96	NO (-8%)	NO
Bldg D - B1_Office 97	YES (+2%)	NO
Bldg D - B1_Office 98	YES (+2%)	NO
Bldg D - B1_Office 99	NO (-19%)	NO
Bldg D - B1_Office 100	NO (-32%)	NO
Bldg A - B1_Office 101	NO (-12%)	NO
Bldg A - B1_Office 102	NO (-27%)	NO
Bldg A - B1_Office 103	NO (-22%)	NO
Bldg A - B1_Office 104	NO (-54%)	NO
Bldg A - B1_Office 105	NO (-65%)	NO
Bldg A - B1_Office 106	YES (+4%)	NO
Bldg A - B1_Office 107	NO (-16%)	NO
Bldg A - B1_Office 108	NO (-16%)	NO
Bldg A - B1_Office 109	NO (-36%)	NO
Bldg A - B1_Office 110	NO (-32%)	NO
Bldg A - B1_Office 111	NO (-29%)	NO
Bldg A - B1_Office 112	NO (-14%)	NO
Bldg A - B1_Office 113	NO (-20%)	NO
Bldg A - B1_Office 114	YES (+18%)	NO
Bldg A - B1_Office 115	NO (-66%)	NO
Bldg A - B1_Office 116	NO (-56%)	NO
Bldg A - B1_Office 117	YES (+7%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
Bldg A - B1_Office 118	NO (-28%)	NO
Bldg A - B1_Office 119	NO (-23%)	NO
Bldg A - B1_Office 120	NO (-27%)	NO
Bldg A - B1_Office 121	NO (-12%)	NO
Bldg A - B1_Office 122	NO (-28%)	NO
Bldg A - B1_Office 123	NO (-6%)	NO
Bldg A - B1_Office 124	NO (-24%)	NO
Bldg A - B1_Office 125	NO (-19%)	NO
Bldg A - B1_Office 126	NO (-54%)	NO
Bldg A - B1_Office 127	NO (-64%)	NO
Bldg A - B1_Office 128	YES (+7%)	NO
Bldg A - B1_Office 129	NO (-14%)	NO
Bldg A - B1_Office 130	NO (-11%)	NO
Bldg A - B1_Office 131	NO (-32%)	NO
Bldg A - B1_Office 132	NO (-27%)	NO
Bldg A - B1_Office 133	NO (-27%)	NO
Bldg A - B1_Office 134	NO (-13%)	NO
Bldg A - B1_Office 135	NO (-20%)	NO
Bldg A - B1_Office 136	YES (+18%)	NO
Bldg A - B1_Office 137	NO (-62%)	NO
Bldg A - B1_Office 138	NO (-55%)	NO
Bldg A - B1_Office 139	YES (+9%)	NO
Bldg A - B1_Office 140	NO (-12%)	NO
Bldg A - B1_Office 141	NO (-8%)	NO
Bldg A - B1_Office 142	NO (-30%)	NO
Bldg A - B1_Office 143	NO (-26%)	NO
Bldg A - B1_Office 144	NO (-27%)	NO
Bldg A - B1_Office 145	NO (-12%)	NO
Bldg A - B1_Office 146	NO (-20%)	NO
Bldg A - B1_Office 147	YES (+18%)	NO
Bldg A - B1_Office 148	NO (-59%)	NO
Bldg A - B1_Office 149	NO (-55%)	NO
Bldg A - B1_Office 150	YES (+11%)	NO
Bldg A - B1_Office 151	NO (-10%)	NO
Bldg A - B1_Office 152	NO (-4%)	NO
Bldg A - B1_Office 153	NO (-28%)	NO
Bldg A - B1_Office 154	NO (-25%)	NO
Bldg A - B1_Office 155	NO (-27%)	NO
Bldg A - B1_Office 156	NO (-12%)	NO
Bldg A - B1_Office 157	NO (-20%)	NO
Bldg A - B1_Office 158	YES (+18%)	NO
Bldg A - B1_Office 159	NO (-57%)	NO
Bldg A - B1_Office 160	NO (-55%)	NO
Bldg B - B1_Office 101	NO (-31%)	NO
Bldg B - B1_Office 102	NO (-59%)	NO
Bldg B - B1_Office 103	YES (+3%)	NO
Bldg B - B1_Office 104	NO (-26%)	NO
Bldg B - B1_Office 105	NO (-26%)	NO
Bldg B - B1_Office 106	NO (-67%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
Bldg B - B1_Office 107	NO (-18%)	NO
Bldg B - B1_Office 108	NO (-12%)	NO
Bldg B - B1_Office 109	NO (-12%)	NO
Bldg B - B1_Office 110	NO (-62%)	NO
Bldg B - B1_Office 111	NO (-13%)	NO
Bldg B - B1_Office 112	NO (-15%)	NO
Bldg B - B1_Office 113	NO (-35%)	NO
Bldg B - B1_Office 114	NO (-80%)	NO
Bldg B - B1_Office 115	NO (-47%)	NO
Bldg B - B1_Office 116	NO (-44%)	NO
Bldg B - B1_Office 117	YES (+3%)	NO
Bldg B - B1_Office 118	NO (-30%)	NO
Bldg B - B1_Office 119	NO (-26%)	NO
Bldg B - B1_Office 120	NO (-12%)	NO
Bldg B - B1_Office 121	NO (-24%)	NO
Bldg B - B1_Office 122	NO (-69%)	NO
Bldg B - B1_Office 123	NO (-10%)	NO
Bldg B - B1_Office 124	NO (-12%)	NO
Bldg B - B1_Office 125	NO (-11%)	NO
Bldg B - B1_Office 126	NO (-62%)	NO
Bldg B - B1_Office 127	NO (-11%)	NO
Bldg B - B1_Office 128	NO (-15%)	NO
Bldg B - B1_Office 129	NO (-33%)	NO
Bldg B - B1_Office 130	NO (-80%)	NO
Bldg B - B1_Office 131	NO (-46%)	NO
Bldg B - B1_Office 132	NO (-44%)	NO
Bldg B - B1_Office 133	NO (-27%)	NO
Bldg B - B1_Office 134	NO (-21%)	NO
Bldg B - B1_Office 135	NO (-65%)	NO
Bldg B - B1_Office 136	NO (-2%)	NO
Bldg B - B1_Office 137	NO (-9%)	NO
Bldg B - B1_Office 138	NO (-10%)	NO
Bldg B - B1_Office 139	NO (-61%)	NO
Bldg B - B1_Office 140	YES (+20%)	NO
Bldg B - B1_Office 141	NO (-13%)	NO
Bldg B - B1_Office 142	NO (-15%)	NO
Bldg B - B1_Office 143	NO (-31%)	NO
Bldg B - B1_Office 144	NO (-79%)	NO
Bldg B - B1_Office 145	NO (-43%)	NO
Bldg B - B1_Office 146	NO (-42%)	NO
Bldg B - B1_Office 147	NO (-27%)	NO
Bldg B - B1_Office 148	NO (-20%)	NO
Bldg B - B1_Office 149	NO (-63%)	NO
Bldg B - B1_Office 150	NO (-3%)	NO
Bldg B - B1_Office 151	NO (-8%)	NO
Bldg B - B1_Office 152	NO (-7%)	NO
Bldg B - B1_Office 153	NO (-9%)	NO
Bldg B - B1_Office 154	NO (-54%)	NO
Bldg B - B1_Office 155	NO (-27%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
Bldg B - B1_Office 156	NO (-20%)	NO
Bldg B - B1_Office 157	NO (-62%)	NO
Bldg B - B1_Office 158	NO (-2%)	NO
Bldg B - B1_Office 159	NO (-8%)	NO
Bldg B - B1_Office 160	NO (-6%)	NO
Bldg B - B1_Office 161	NO (-7%)	NO
Bldg B - B1_Office 162	NO (-53%)	NO
Bldg B - B1_Office 163	NO (-27%)	NO
Bldg B - B1_Office 164	NO (-20%)	NO
Bldg B - B1_Office 165	NO (-62%)	NO
Bldg B - B1_Office 166	NO (-2%)	NO
Bldg B - B1_Office 167	NO (-8%)	NO
Bldg B - B1_Office 168	NO (-6%)	NO
Bldg B - B1_Office 169	NO (-7%)	NO
Bldg B - B1_Office 170	NO (-53%)	NO
Bldg B - B1_Office 171	NO (-27%)	NO
Bldg B - B1_Office 172	NO (-20%)	NO
Bldg B - B1_Office 173	NO (-62%)	NO
Bldg B - B1_Office 174	NO (-2%)	NO
Bldg B - B1_Office 175	NO (-8%)	NO
Bldg B - B1_Office 176	NO (-5%)	NO
Bldg B - B1_Office 177	NO (-6%)	NO
Bldg B - B1_Office 178	NO (-52%)	NO
Bldg C - B1_Office 101	NO (-34%)	NO
Bldg C - B1_Office 102	NO (-29%)	NO
Bldg C - B1_Office 103	NO (-7%)	NO
Bldg C - B1_Office 104	NO (-31%)	NO
Bldg C - B1_Office 105	NO (-33%)	NO
Bldg C - B1_Office 106	NO (-11%)	NO
Bldg C - B1_Office 107	NO (-60%)	NO
Bldg C - B1_Office 108	NO (-15%)	NO
Bldg C - B1_Office 109	NO (-14%)	NO
Bldg C - B1_Office 110	NO (-62%)	NO
Bldg C - B1_Office 111	NO (-12%)	NO
Bldg C - B1_Office 112	NO (-16%)	NO
Bldg C - B1_Office 113	NO (-63%)	NO
Bldg C - B1_Office 114	NO (-35%)	NO
Bldg C - B1_Office 115	NO (-82%)	NO
Bldg C - B1_Office 116	NO (-47%)	NO
Bldg C - B1_Office 117	NO (-45%)	NO
Bldg C - B1_Office 118	NO (-29%)	NO
Bldg C - B1_Office 119	NO (-70%)	NO
Bldg C - B1_Office 120	NO (-31%)	NO
Bldg C - B1_Office 121	NO (-27%)	NO
Bldg C - B1_Office 122	NO (-2%)	NO
Bldg C - B1_Office 123	NO (-30%)	NO
Bldg C - B1_Office 124	NO (-33%)	NO
Bldg C - B1_Office 125	NO (-8%)	NO
Bldg C - B1_Office 126	NO (-60%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
Bldg C - B1_Office 127	NO (-11%)	NO
Bldg C - B1_Office 128	NO (-15%)	NO
Bldg C - B1_Office 129	NO (-61%)	NO
Bldg C - B1_Office 130	NO (-11%)	NO
Bldg C - B1_Office 131	NO (-16%)	NO
Bldg C - B1_Office 132	NO (-63%)	NO
Bldg C - B1_Office 133	NO (-34%)	NO
Bldg C - B1_Office 134	NO (-82%)	NO
Bldg C - B1_Office 135	NO (-44%)	NO
Bldg C - B1_Office 136	NO (-47%)	NO
Bldg C - B1_Office 137	NO (-23%)	NO
Bldg C - B1_Office 138	NO (-71%)	NO
Bldg C - B1_Office 139	NO (-27%)	NO
Bldg C - B1_Office 140	NO (-31%)	NO
Bldg C - B1_Office 141	NO (-9%)	NO
Bldg C - B1_Office 142	NO (-14%)	NO
Bldg C - B1_Office 143	NO (-60%)	NO
Bldg C - B1_Office 144	NO (-9%)	NO
Bldg C - B1_Office 145	NO (-16%)	NO
Bldg C - B1_Office 146	NO (-63%)	NO
Bldg C - B1_Office 147	NO (-32%)	NO
Bldg C - B1_Office 148	NO (-82%)	NO
Bldg C - B1_Office 149	NO (-44%)	NO
Bldg C - B1_Office 150	NO (-47%)	NO
Bldg C - B1_Office 151	NO (-15%)	NO
Bldg C - B1_Office 152	NO (-69%)	NO
Bldg C - B1_Office 153	NO (-26%)	NO
Bldg C - B1_Office 154	NO (-28%)	NO
Bldg C - B1_Office 155	NO (-9%)	NO
Bldg C - B1_Office 156	NO (-13%)	NO
Bldg C - B1_Office 157	NO (-61%)	NO
Bldg C - B1_Office 158	YES (+28%)	NO
Bldg C - B1_Office 159	NO (-14%)	NO
Bldg C - B1_Office 160	NO (-16%)	NO
Bldg C - B1_Office 161	NO (-61%)	NO
Bldg C - B1_Office 162	NO (-27%)	NO
Bldg C - B1_Office 163	NO (-81%)	NO
Bldg C - B1_Office 164	NO (-41%)	NO
Bldg C - B1_Office 165	NO (-43%)	NO
Bldg C - B1_Office 166	NO (-8%)	NO
Bldg C - B1_Office 167	NO (-66%)	NO
Bldg C - B1_Office 168	NO (-24%)	NO
Bldg C - B1_Office 169	NO (-27%)	NO
Bldg C - B1_Office 170	NO (-7%)	NO
Bldg C - B1_Office 171	NO (-9%)	NO
Bldg C - B1_Office 172	NO (-55%)	NO
Bldg C - B1_Office 173	NO (-10%)	NO
Bldg C - B1_Office 174	NO (-6%)	NO
Bldg C - B1_Office 175	NO (-63%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
Bldg C - B1_Office 176	NO (-22%)	NO
Bldg C - B1_Office 177	NO (-26%)	NO
Bldg C - B1_Office 178	NO (-7%)	NO
Bldg C - B1_Office 179	NO (-8%)	NO
Bldg C - B1_Office 180	NO (-8%)	NO
Bldg C - B1_Office 181	NO (-55%)	NO
Bldg C - B1_Office 182	NO (-6%)	NO
Bldg C - B1_Office 183	NO (-62%)	NO
Bldg C - B1_Office 184	NO (-21%)	NO
Bldg C - B1_Office 185	NO (-25%)	NO
Bldg C - B1_Office 186	NO (-7%)	NO
Bldg C - B1_Office 187	NO (-8%)	NO
Bldg C - B1_Office 188	NO (-7%)	NO
Bldg C - B1_Office 189	NO (-55%)	NO
Bldg C - B1_Office 190	NO (-21%)	NO
Bldg C - B1_Office 191	NO (-62%)	NO
Bldg C - B1_Office 192	NO (-5%)	NO
Bldg C - B1_Office 193	NO (-25%)	NO
Bldg C - B1_Office 194	NO (-7%)	NO
Bldg C - B1_Office 195	NO (-8%)	NO
Bldg C - B1_Office 196	NO (-5%)	NO
Bldg C - B1_Office 197	NO (-55%)	NO
Bldg C - B1_Office 198	NO (-4%)	NO
Bldg C - B1_Office 199	NO (-62%)	NO
Bldg C - B1_Office 200	NO (-21%)	NO
Bldg C - B1_Office 201	NO (-25%)	NO
Bldg D - B1_Office 101	NO (-12%)	NO
Bldg D - B1_Office 102	NO (-60%)	NO
Bldg D - B1_Office 103	YES (+2%)	NO
Bldg D - B1_Office 104	YES (+2%)	NO
Bldg D - B1_Office 105	NO (-19%)	NO
Bldg D - B1_Office 106	NO (-31%)	NO
Bldg D - B1_Office 107	NO (-13%)	NO
Bldg D - B1_Office 108	NO (-61%)	NO
Bldg D - B1_Office 109	YES (+2%)	NO
Bldg D - B1_Office 110	YES (+2%)	NO
Bldg D - B1_Office 111	NO (-19%)	NO
Bldg D - B1_Office 112	NO (-31%)	NO
Bldg D - B1_Office 113	NO (-13%)	NO
Bldg D - B1_Office 114	NO (-61%)	NO
Bldg D - B1_Office 115	YES (+2%)	NO
Bldg D - B1_Office 116	YES (+2%)	NO
Bldg D - B1_Office 117	NO (-19%)	NO
Bldg D - B1_Office 118	NO (-31%)	NO
Bldg D - B1_Office 119	NO (-13%)	NO
Bldg D - B1_Office 120	NO (-61%)	NO
Bldg D - B1_Office 121	YES (+2%)	NO
Bldg D - B1_Office 122	YES (+2%)	NO
Bldg D - B1_Office 123	NO (-19%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
Bldg D - B1_Office 124	NO (-31%)	NO
Bldg D - B1_Office 125	NO (-13%)	NO
Bldg D - B1_Office 126	NO (-61%)	NO
Bldg D - B1_Office 127	YES (+2%)	NO
Bldg D - B1_Office 128	YES (+2%)	NO
Bldg D - B1_Office 129	NO (-19%)	NO
Bldg D - B1_Office 130	NO (-31%)	NO
Bldg D - B1_Office 131	NO (-13%)	NO
Bldg D - B1_Office 132	NO (-61%)	NO
Bldg D - B1_Office 133	YES (+2%)	NO
Bldg D - B1_Office 134	YES (+2%)	NO
Bldg D - B1_Office 135	NO (-19%)	NO
Bldg D - B1_Office 136	NO (-31%)	NO
Bldg D - B1_Office 137	NO (-13%)	NO
Bldg D - B1_Office 138	NO (-61%)	NO
Bldg D - B1_Office 139	YES (+2%)	NO
Bldg D - B1_Office 140	YES (+2%)	NO
Bldg D - B1_Office 141	NO (-19%)	NO
Bldg D - B1_Office 142	NO (-31%)	NO
Bldg D - B1_Office 143	NO (-13%)	NO
Bldg D - B1_Office 144	NO (-61%)	NO
Bldg D - B1_Office 145	YES (+2%)	NO
Bldg D - B1_Office 146	YES (+2%)	NO
Bldg D - B1_Office 147	NO (-19%)	NO
Bldg D - B1_Office 148	NO (-31%)	NO
Bldg D - B1_Office 149	NO (-13%)	NO
Bldg D - B1_Office 150	NO (-61%)	NO
Bldg D - B1_Office 151	YES (+2%)	NO
Bldg D - B1_Office 152	YES (+2%)	NO
Bldg D - B1_Office 153	NO (-19%)	NO
Bldg D - B1_Office 154	NO (-31%)	NO
Bldg D - B1_Office 155	NO (-13%)	NO
Bldg D - B1_Office 156	NO (-61%)	NO
Bldg D - B1_Office 157	YES (+2%)	NO
Bldg D - B1_Office 158	YES (+2%)	NO
Bldg D - B1_Office 159	NO (-19%)	NO
Bldg D - B1_Office 160	NO (-30%)	NO
Bldg D - B1_Office 161	NO (-12%)	NO
Bldg D - B1_Office 162	NO (-61%)	NO

Criterion 4: The performance of the building, as built, should be consistent with the calculated BER

Separate submission

Criterion 5: The necessary provisions for enabling energy-efficient operation of the building should be in place

Separate submission

EPBD (Recast): Consideration of 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
Area [m^2]	86542	86542
External area [m^2]	56689	56689
Weather	SWI	SWI
Infiltration [m^3/hm^2@ 50Pa]	3	3
Average conductance [W/K]	34028	28935
Average U-value [W/m^2K]	0.6	0.51
Alpha value* [%]	39.9	39.9

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

Building Use

% Area	Building Type
	A1/A2 Retail/Financial and Professional services
	A3/A4/A5 Restaurants and Cafes/Drinking Est./Takeaways
100	**B1 Offices and Workshop businesses**
	B2 to B7 General Industrial and Special Industrial Groups
	B8 Storage or Distribution
	C1 Hotels
	C2 Residential Institutions: Hospitals and Care Homes
	C2 Residential Institutions: Residential schools
	C2 Residential Institutions: Universities and colleges
	C2A Secure Residential Institutions
	Residential spaces
	D1 Non-residential Institutions: Community/Day Centre
	D1 Non-residential Institutions: Libraries, Museums, and Galleries
	D1 Non-residential Institutions: Education
	D1 Non-residential Institutions: Primary Health Care Building
	D1 Non-residential Institutions: Crown and County Courts
	D2 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/m^2]

	Actual	Notional
Heating	2.67	2.71
Cooling	8.26	9.31
Auxiliary	14.71	10.25
Lighting	12.39	19.58
Hot water	2.73	2.73
Equipment*	39.72	39.72
TOTAL**	**40.75**	**44.57**

* 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/m^2]

	Actual	Notional
Photovoltaic systems	0	0
Wind turbines	0	0
CHP generators	0	0
Solar thermal systems	0	0

Energy & CO_2 Emissions Summary

	Actual	Notional
Heating + cooling demand [MJ/m^2]	115.78	135.4
Primary energy* [kWh/m^2]	112.41	123.77
Total emissions [kg/m^2]	19.1	21

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

HVAC Systems Performance

System Type		Heat dem MJ/m2	Cool dem MJ/m2	Heat con kWh/m2	Cool con kWh/m2	Aux con kWh/m2	Heat SSEEF	Cool SSEER	Heat gen SEFF	Cool gen SEER
[ST] Fan coil systems, [HS] LTHW boiler, [HFT] Natural Gas, [CFT] Electricity										
	Actual	7.8	124.7	2.5	10.1	17.3	0.86	3.42	0.91	3.6
	Notional	6	147.9	2	11.4	11.9	0.82	3.6	----	----
[ST] Central heating using water: radiators, [HS] LTHW boiler, [HFT] Natural Gas, [CFT] Electricity										
	Actual	12.2	0	3.9	0	1.1	0.86	0	0.91	0
	Notional	18.8	0	6.4	0	1.1	0.82	0	----	----
[ST] Central heating using water: radiators, [HS] LTHW boiler, [HFT] Natural Gas, [CFT] Electricity										
	Actual	18.6	0	6	0	14.4	0.86	0	0.91	0
	Notional	43	0	14.6	0	11.7	0.82	0	----	----
[ST] Central heating using water: radiators, [HS] LTHW boiler, [HFT] Natural Gas, [CFT] Electricity										
	Actual	19.8	0	6.4	0	7.7	0.86	0	0.91	0
	Notional	18.1	0	6.2	0	6.4	0.82	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

Key Features

The Building Control Body is advised to give particular attention to items whose specifications are better than typically expected.

Building fabric

Element	$U_{i\text{-}Typ}$	$U_{i\text{-}Min}$	Surface where the minimum value occurs*
Wall	0.23	0.14	External Wall
Floor	0.2	0.14	Exposed Floor
Roof	0.15	0.15	Roof
Windows, roof windows, and rooflights	1.5	1.21	External Wall (70% Glazed)
Personnel doors	1.5	-	No personal doors in project
Vehicle access & similar large doors	1.5	-	No vehicle doors in project
High usage entrance doors	1.5	-	No high usage entrance doors in project

$U_{i\text{-}Typ}$ = Typical individual element U-values [W/(m²K)] $U_{i\text{-}Min}$ = Minimum individual element U-values [W/(m²K)]

* There might be more than one surface where the minimum U-value occurs.

Air Permeability	Typical value	This building
m³/(h.m²) at 50 Pa	5	3

Appendix 4
Clean Scheme BRUKL

BRUKL Output Document

HM Government

Compliance with England Building Regulations Part L 2013

Project name

Reading Station Park - Clean Scheme

As designed

Date: Tue Feb 11 16:05:58 2020

Administrative information

Building Details

Address: Reading Station Park, Reading, RG1 8BA

Certification tool

Calculation engine: TAS

Calculation engine version: "v9.5.0"

Interface to calculation engine: TAS

Interface to calculation engine version: v9.5.0

BRUKL compliance check version: v5.6.a.1

Owner Details

Name: Aviva Investors

Telephone number: 02078096367

Address: Saint Helen's, 1 Undershaft, London, EC3P 3DQ

Certifier details

Name: Scott Hedges

Telephone number: 01932753739

Address: 51 Staines Road West, Sunbury-on-Thames, TW16 7AH

Criterion 1: The calculated CO_2 emission rate for the building must not exceed the target

CO_2 emission rate from the notional building, $kgCO_2/m^2.annum$	21
Target CO_2 emission rate (TER), $kgCO_2/m^2.annum$	21
Building CO_2 emission rate (BER), $kgCO_2/m^2.annum$	19
Are emissions from the building less than or equal to the target?	BER =< TER
Are as built details the same as used in the BER calculations?	Separate submission

Criterion 2: The performance of the building fabric and fixed building services should achieve reasonable overall standards of energy efficiency

Values which do not achieve the standards in the Non-Domestic Building Services Compliance Guide and Part L are displayed in red.

Building fabric

Element	$U_{a\text{-}Limit}$	$U_{a\text{-}Calc}$	$U_{i\text{-}Calc}$	Surface where the maximum value occurs*
Wall**	0.35	0.14	0.14	External Wall
Floor	0.25	0.14	0.14	Ground Floor
Roof	0.25	0.15	0.15	Roof
Windows***, roof windows, and rooflights	2.2	1.21	1.21	External Wall (70% Glazed)
Personnel doors	2.2	-	-	No personal doors in project
Vehicle access & similar large doors	1.5	-	-	No vehicle doors in project
High usage entrance doors	3.5	-	-	No high usage entrance doors in project

$U_{a\text{-}Limit}$ = Limiting area-weighted average U-values [$W/(m^2K)$]
$U_{a\text{-}Calc}$ = Calculated area-weighted average U-values [$W/(m^2K)$]
$U_{i\text{-}Calc}$ = Calculated maximum individual element U-values [$W/(m^2K)$]

* There might be more than one surface where the maximum U-value occurs.
** 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.
N.B.: Neither roof ventilators (inc. smoke vents) nor swimming pool basins are modelled or checked against the limiting standards by the tool.

Air Permeability	Worst acceptable standard	This building
$m^3/(h.m^2)$ at 50 Pa	10	3

Building services

The standard values listed below are minimum values for efficiencies and maximum values for SFPs. Refer to the Non-Domestic Building Services Compliance Guide for details.

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

1- Office (700 Zones)

	Heating efficiency	Cooling efficiency	Radiant efficiency	SFP [W/(l/s)]	HR efficiency
This system	0.89	3.6	-	1.9	0.7
Standard value	0.91*	2.6	N/A	1.6^	0.65
Automatic monitoring & targeting with alarms for out-of-range values for this HVAC system					YES

* Standard shown is for gas single boiler systems <=2 MW output. For single boiler systems >2 MW or multi-boiler systems, (overall) limiting efficiency is 0.86. For any individual boiler in a multi-boiler system, limiting efficiency is 0.82.

^ Limiting SFP may be extended by the amounts specified in the Non-Domestic Building Services Compliance Guide if the system includes additional components as listed in the Guide.

2- Circulation

	Heating efficiency	Cooling efficiency	Radiant efficiency	SFP [W/(l/s)]	HR efficiency
This system	0.89	-	-	-	-
Standard value	0.91*	N/A	N/A	N/A	N/A
Automatic monitoring & targeting with alarms for out-of-range values for this HVAC system					YES

* Standard shown is for gas single boiler systems <=2 MW output. For single boiler systems >2 MW or multi-boiler systems, (overall) limiting efficiency is 0.86. For any individual boiler in a multi-boiler system, limiting efficiency is 0.82.

3- Toilet (164 Zones)

	Heating efficiency	Cooling efficiency	Radiant efficiency	SFP [W/(l/s)]	HR efficiency
This system	0.89	-	-	-	-
Standard value	0.91*	N/A	N/A	N/A	N/A
Automatic monitoring & targeting with alarms for out-of-range values for this HVAC system					YES

* Standard shown is for gas single boiler systems <=2 MW output. For single boiler systems >2 MW or multi-boiler systems, (overall) limiting efficiency is 0.86. For any individual boiler in a multi-boiler system, limiting efficiency is 0.82.

4- Refuse (4 Zones)

	Heating efficiency	Cooling efficiency	Radiant efficiency	SFP [W/(l/s)]	HR efficiency
This system	0.89	-	-	-	-
Standard value	0.91*	N/A	N/A	N/A	N/A
Automatic monitoring & targeting with alarms for out-of-range values for this HVAC system					YES

* Standard shown is for gas single boiler systems <=2 MW output. For single boiler systems >2 MW or multi-boiler systems, (overall) limiting efficiency is 0.86. For any individual boiler in a multi-boiler system, limiting efficiency is 0.82.

1- DHW

	Water heating efficiency	Storage loss factor [kWh/litre per day]
This building	0.91	0
Standard value	0.9*	N/A

* Standard shown is for gas boilers >30 kW output. For boilers <=30 kW output, limiting efficiency is 0.73.

1- LTHW + Mini CHP

	CHPQA quality index	CHP electrical efficiency
This building	113	0.2
Standard value	105	0.2

"No zones in project where local mechanical ventilation, exhaust, or terminal unit is applicable"

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg A - B1_Office 1	100	-	-	543
Bldg A - B1_Office 2	100	-	-	967
Bldg A - B1_Office 3	100	-	-	205
Bldg A - B1_Office 4	100	-	-	611
Bldg A - B1_Office 5	100	-	-	197
Bldg A - B1_Office 6	100	-	-	725
Bldg A - B1_Office 7	100	-	-	616
Bldg A - B1_Office 8	100	-	-	471
Bldg A - B1_Office 9	100	-	-	3577
Bldg A - B1_Office 10	100	-	-	159
Bldg A - B1_Office 11	100	-	-	198
Bldg A - B1_Office 12	100	-	-	445
Bldg A - B1_Office 13	100	-	-	1072
Bldg A - B1_Office 14	100	-	-	967
Bldg A - B1_Office 15	100	-	-	205
Bldg A - B1_Office 16	100	-	-	155
Bldg A - B1_Office 17	100	-	-	171
Bldg A - B1_Office 18	100	-	-	197
Bldg A - B1_Office 19	100	-	-	725
Bldg A - B1_Office 20	100	-	-	616
Bldg A - B1_Office 21	100	-	-	191
Bldg A - B1_Office 22	100	-	-	4709
Bldg A - B1_Office 23	100	-	-	159
Bldg A - B1_Office 24	100	-	-	198
Bldg A - B1_Office 25	100	-	-	445
Bldg A - B1_Office 26	100	-	-	1072
Bldg A - B1_Office 27	100	-	-	967
Bldg A - B1_Office 28	100	-	-	205
Bldg A - B1_Office 29	100	-	-	155
Bldg A - B1_Office 30	100	-	-	171
Bldg A - B1_Office 31	100	-	-	197
Bldg A - B1_Office 32	100	-	-	725
Bldg A - B1_Office 33	100	-	-	616
Bldg A - B1_Office 34	100	-	-	191
Bldg A - B1_Office 35	100	-	-	4709
Bldg A - B1_Office 36	100	-	-	159
Bldg A - B1_Office 37	100	-	-	198
Bldg A - B1_Office 38	100	-	-	445
Bldg A - B1_Office 39	100	-	-	1072
Bldg A - B1_Office 40	100	-	-	507
Bldg A - B1_Office 41	100	-	-	460
Bldg A - B1_Office 42	100	-	-	205

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg A - B1_Office 43	100	-	-	155
Bldg A - B1_Office 44	100	-	-	171
Bldg A - B1_Office 45	100	-	-	197
Bldg A - B1_Office 46	100	-	-	442
Bldg A - B1_Office 47	100	-	-	284
Bldg A - B1_Office 48	100	-	-	616
Bldg A - B1_Office 49	100	-	-	191
Bldg A - B1_Office 50	100	-	-	4709
Bldg A - B1_Office 51	100	-	-	159
Bldg A - B1_Office 52	100	-	-	198
Bldg A - B1_Office 53	100	-	-	268
Bldg A - B1_Office 54	100	-	-	199
Bldg A - B1_Office 55	100	-	-	588
Bldg A - B1_Office 56	100	-	-	197
Bldg A - B1_Office 57	100	-	-	265
Bldg A - B1_Office 58	100	-	-	197
Bldg A - B1_Office 59	100	-	-	191
Bldg A - B1_Office 60	100	-	-	257
Bldg A - B1_Office 61	100	-	-	214
Bldg A - B1_Office 62	100	-	-	171
Bldg A - B1_Office 63	100	-	-	197
Bldg A - B1_Office 64	100	-	-	253
Bldg A - B1_Office 65	100	-	-	188
Bldg A - B1_Office 66	100	-	-	540
Bldg A - B1_Office 67	100	-	-	196
Bldg A - B1_Office 68	100	-	-	264
Bldg A - B1_Office 69	100	-	-	205
Bldg A - B1_Office 70	100	-	-	155
Bldg A - B1_Office 71	100	-	-	220
Bldg A - B1_Office 72	100	-	-	199
Bldg A - B1_Office 73	100	-	-	159
Bldg A - B1_Office 74	100	-	-	198
Bldg A - B1_Office 75	100	-	-	268
Bldg A - B1_Office 76	100	-	-	199
Bldg A - B1_Office 77	100	-	-	588
Bldg A - B1_Office 78	100	-	-	197
Bldg A - B1_Office 79	100	-	-	265
Bldg A - B1_Office 80	100	-	-	197
Bldg A - B1_Office 81	100	-	-	191
Bldg A - B1_Office 82	100	-	-	214
Bldg A - B1_Office 83	100	-	-	257
Bldg A - B1_Office 84	100	-	-	171
Bldg A - B1_Office 85	100	-	-	197

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg A - B1_Office 86	100	-	-	253
Bldg A - B1_Office 87	100	-	-	188
Bldg A - B1_Office 88	100	-	-	540
Bldg A - B1_Office 89	100	-	-	196
Bldg A - B1_Office 90	100	-	-	264
Bldg A - B1_Office 91	100	-	-	205
Bldg A - B1_Office 92	100	-	-	155
Bldg A - B1_Office 93	100	-	-	220
Bldg A - B1_Office 94	100	-	-	199
Bldg A - B1_Office 95	100	-	-	159
Bldg A - B1_Office 96	100	-	-	198
Bldg A - B1_Office 97	100	-	-	268
Bldg A - B1_Office 98	100	-	-	199
Bldg A - B1_Office 99	100	-	-	588
Bldg A - B1_Office 100	100	-	-	197
Bldg B - B1_Office 1	100	-	-	368
Bldg B - B1_Office 2	100	-	-	632
Bldg B - B1_Office 3	100	-	-	786
Bldg B - B1_Office 4	100	-	-	627
Bldg B - B1_Office 5	100	-	-	599
Bldg B - B1_Office 6	100	-	-	1728
Bldg B - B1_Office 7	100	-	-	244
Bldg B - B1_Office 8	100	-	-	391
Bldg B - B1_Office 9	100	-	-	550
Bldg B - B1_Office 10	100	-	-	526
Bldg B - B1_Office 11	100	-	-	547
Bldg B - B1_Office 12	100	-	-	393
Bldg B - B1_Office 13	100	-	-	1657
Bldg B - B1_Office 14	100	-	-	187
Bldg B - B1_Office 15	100	-	-	632
Bldg B - B1_Office 16	100	-	-	244
Bldg B - B1_Office 17	100	-	-	786
Bldg B - B1_Office 18	100	-	-	627
Bldg B - B1_Office 19	100	-	-	1277
Bldg B - B1_Office 20	100	-	-	290
Bldg B - B1_Office 21	100	-	-	547
Bldg B - B1_Office 22	100	-	-	526
Bldg B - B1_Office 23	100	-	-	550
Bldg B - B1_Office 24	100	-	-	1155
Bldg B - B1_Office 25	100	-	-	2159
Bldg B - B1_Office 26	100	-	-	781
Bldg B - B1_Office 27	100	-	-	483
Bldg B - B1_Office 28	100	-	-	547

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg B - B1_Office 29	100	-	-	540
Bldg B - B1_Office 30	100	-	-	2215
Bldg B - B1_Office 31	100	-	-	187
Bldg B - B1_Office 32	100	-	-	632
Bldg B - B1_Office 33	100	-	-	244
Bldg B - B1_Office 34	100	-	-	786
Bldg B - B1_Office 35	100	-	-	627
Bldg B - B1_Office 36	100	-	-	1277
Bldg B - B1_Office 37	100	-	-	290
Bldg B - B1_Office 38	100	-	-	547
Bldg B - B1_Office 39	100	-	-	526
Bldg B - B1_Office 40	100	-	-	550
Bldg B - B1_Office 41	100	-	-	1155
Bldg B - B1_Office 42	100	-	-	2159
Bldg B - B1_Office 43	100	-	-	781
Bldg B - B1_Office 44	100	-	-	540
Bldg B - B1_Office 45	100	-	-	547
Bldg B - B1_Office 46	100	-	-	483
Bldg B - B1_Office 47	100	-	-	2215
Bldg B - B1_Office 48	100	-	-	187
Bldg B - B1_Office 49	100	-	-	632
Bldg B - B1_Office 50	100	-	-	244
Bldg B - B1_Office 51	100	-	-	786
Bldg B - B1_Office 52	100	-	-	627
Bldg B - B1_Office 53	100	-	-	1277
Bldg B - B1_Office 54	100	-	-	290
Bldg B - B1_Office 55	100	-	-	547
Bldg B - B1_Office 56	100	-	-	526
Bldg B - B1_Office 57	100	-	-	550
Bldg B - B1_Office 58	100	-	-	1155
Bldg B - B1_Office 59	100	-	-	1289
Bldg B - B1_Office 60	100	-	-	781
Bldg B - B1_Office 61	100	-	-	327
Bldg B - B1_Office 62	100	-	-	483
Bldg B - B1_Office 63	100	-	-	542
Bldg B - B1_Office 64	100	-	-	547
Bldg B - B1_Office 65	100	-	-	540
Bldg B - B1_Office 66	100	-	-	2215
Bldg B - B1_Office 67	100	-	-	289
Bldg B - B1_Office 68	100	-	-	550
Bldg B - B1_Office 69	100	-	-	1155
Bldg B - B1_Office 70	100	-	-	998
Bldg B - B1_Office 71	100	-	-	777

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg B - B1_Office 72	100	-	-	187
Bldg B - B1_Office 73	100	-	-	632
Bldg B - B1_Office 74	100	-	-	244
Bldg B - B1_Office 75	100	-	-	786
Bldg B - B1_Office 76	100	-	-	627
Bldg B - B1_Office 77	100	-	-	1277
Bldg B - B1_Office 78	100	-	-	2140
Bldg B - B1_Office 79	100	-	-	540
Bldg B - B1_Office 80	100	-	-	621
Bldg B - B1_Office 81	100	-	-	290
Bldg B - B1_Office 82	100	-	-	547
Bldg B - B1_Office 83	100	-	-	289
Bldg B - B1_Office 84	100	-	-	254
Bldg B - B1_Office 85	100	-	-	289
Bldg B - B1_Office 86	100	-	-	550
Bldg B - B1_Office 87	100	-	-	1155
Bldg B - B1_Office 88	100	-	-	998
Bldg B - B1_Office 89	100	-	-	777
Bldg B - B1_Office 90	100	-	-	187
Bldg B - B1_Office 91	100	-	-	632
Bldg B - B1_Office 92	100	-	-	244
Bldg B - B1_Office 93	100	-	-	786
Bldg B - B1_Office 94	100	-	-	627
Bldg B - B1_Office 95	100	-	-	1277
Bldg B - B1_Office 96	100	-	-	2140
Bldg B - B1_Office 97	100	-	-	540
Bldg B - B1_Office 98	100	-	-	621
Bldg B - B1_Office 99	100	-	-	290
Bldg B - B1_Office 100	100	-	-	547
Bldg C - B1_Office 1	100	-	-	192
Bldg C - B1_Office 2	100	-	-	603
Bldg C - B1_Office 3	100	-	-	206
Bldg C - B1_Office 4	100	-	-	837
Bldg C - B1_Office 5	100	-	-	603
Bldg C - B1_Office 6	100	-	-	158
Bldg C - B1_Office 7	100	-	-	2315
Bldg C - B1_Office 9	100	-	-	570
Bldg C - B1_Office 10	100	-	-	1488
Bldg C - B1_Office 11	100	-	-	542
Bldg C - B1_Office 12	100	-	-	569
Bldg C - B1_Office 13	100	-	-	379
Bldg C - B1_Office 14	100	-	-	192
Bldg C - B1_Office 15	100	-	-	603

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg C - B1_Office 16	100	-	-	206
Bldg C - B1_Office 17	100	-	-	837
Bldg C - B1_Office 18	100	-	-	603
Bldg C - B1_Office 19	100	-	-	158
Bldg C - B1_Office 20	100	-	-	1678
Bldg C - B1_Office 21	100	-	-	1517
Bldg C - B1_Office 22	100	-	-	651
Bldg C - B1_Office 23	100	-	-	549
Bldg C - B1_Office 24	100	-	-	770
Bldg C - B1_Office 25	100	-	-	2070
Bldg C - B1_Office 26	100	-	-	1113
Bldg C - B1_Office 27	100	-	-	569
Bldg C - B1_Office 28	100	-	-	542
Bldg C - B1_Office 29	100	-	-	462
Bldg C - B1_Office 30	100	-	-	570
Bldg C - B1_Office 31	100	-	-	372
Bldg C - B1_Office 32	100	-	-	192
Bldg C - B1_Office 33	100	-	-	603
Bldg C - B1_Office 34	100	-	-	206
Bldg C - B1_Office 35	100	-	-	837
Bldg C - B1_Office 36	100	-	-	603
Bldg C - B1_Office 37	100	-	-	158
Bldg C - B1_Office 38	100	-	-	1678
Bldg C - B1_Office 39	100	-	-	1517
Bldg C - B1_Office 40	100	-	-	549
Bldg C - B1_Office 41	100	-	-	652
Bldg C - B1_Office 42	100	-	-	770
Bldg C - B1_Office 43	100	-	-	2070
Bldg C - B1_Office 44	100	-	-	1113
Bldg C - B1_Office 45	100	-	-	569
Bldg C - B1_Office 46	100	-	-	542
Bldg C - B1_Office 47	100	-	-	461
Bldg C - B1_Office 48	100	-	-	570
Bldg C - B1_Office 49	100	-	-	372
Bldg C - B1_Office 50	100	-	-	192
Bldg C - B1_Office 51	100	-	-	603
Bldg C - B1_Office 52	100	-	-	206
Bldg C - B1_Office 53	100	-	-	837
Bldg C - B1_Office 54	100	-	-	603
Bldg C - B1_Office 55	100	-	-	158
Bldg C - B1_Office 56	100	-	-	1678
Bldg C - B1_Office 57	100	-	-	1517
Bldg C - B1_Office 58	100	-	-	549

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg C - B1_Office 59	100	-	-	653
Bldg C - B1_Office 60	100	-	-	770
Bldg C - B1_Office 61	100	-	-	1312
Bldg C - B1_Office 62	100	-	-	1113
Bldg C - B1_Office 63	100	-	-	569
Bldg C - B1_Office 64	100	-	-	542
Bldg C - B1_Office 65	100	-	-	312
Bldg C - B1_Office 66	100	-	-	462
Bldg C - B1_Office 67	100	-	-	570
Bldg C - B1_Office 68	100	-	-	446
Bldg C - B1_Office 69	100	-	-	372
Bldg C - B1_Office 70	100	-	-	192
Bldg C - B1_Office 71	100	-	-	603
Bldg C - B1_Office 72	100	-	-	206
Bldg C - B1_Office 73	100	-	-	837
Bldg C - B1_Office 74	100	-	-	603
Bldg C - B1_Office 75	100	-	-	158
Bldg C - B1_Office 76	100	-	-	1678
Bldg C - B1_Office 77	100	-	-	1526
Bldg C - B1_Office 78	100	-	-	540
Bldg C - B1_Office 79	100	-	-	666
Bldg C - B1_Office 80	100	-	-	766
Bldg C - B1_Office 81	100	-	-	1031
Bldg C - B1_Office 82	100	-	-	1113
Bldg C - B1_Office 83	100	-	-	569
Bldg C - B1_Office 84	100	-	-	280
Bldg C - B1_Office 85	100	-	-	570
Bldg C - B1_Office 86	100	-	-	289
Bldg C - B1_Office 87	100	-	-	157
Bldg C - B1_Office 88	100	-	-	372
Bldg C - B1_Office 89	100	-	-	192
Bldg C - B1_Office 90	100	-	-	603
Bldg C - B1_Office 91	100	-	-	206
Bldg C - B1_Office 92	100	-	-	837
Bldg C - B1_Office 93	100	-	-	603
Bldg C - B1_Office 94	100	-	-	158
Bldg C - B1_Office 95	100	-	-	1678
Bldg C - B1_Office 96	100	-	-	1526
Bldg C - B1_Office 97	100	-	-	666
Bldg C - B1_Office 98	100	-	-	540
Bldg C - B1_Office 99	100	-	-	766
Bldg C - B1_Office 100	100	-	-	1031
Bldg D - B1_Office 1	100	-	-	321

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg D - B1_Office 2	100	-	-	345
Bldg D - B1_Office 3	100	-	-	989
Bldg D - B1_Office 4	100	-	-	267
Bldg D - B1_Office 5	100	-	-	997
Bldg D - B1_Office 6	100	-	-	375
Bldg D - B1_Office 7	100	-	-	302
Bldg D - B1_Office 8	100	-	-	2070
Bldg D - B1_Office 9	100	-	-	321
Bldg D - B1_Office 10	100	-	-	345
Bldg D - B1_Office 11	100	-	-	1063
Bldg D - B1_Office 12	100	-	-	1070
Bldg D - B1_Office 13	100	-	-	375
Bldg D - B1_Office 14	100	-	-	302
Bldg D - B1_Office 15	100	-	-	2638
Bldg D - B1_Office 16	100	-	-	942
Bldg D - B1_Office 17	100	-	-	321
Bldg D - B1_Office 18	100	-	-	345
Bldg D - B1_Office 19	100	-	-	1063
Bldg D - B1_Office 20	100	-	-	1070
Bldg D - B1_Office 21	100	-	-	375
Bldg D - B1_Office 22	100	-	-	302
Bldg D - B1_Office 23	100	-	-	2638
Bldg D - B1_Office 24	100	-	-	942
Bldg D - B1_Office 25	100	-	-	321
Bldg D - B1_Office 26	100	-	-	345
Bldg D - B1_Office 27	100	-	-	1063
Bldg D - B1_Office 28	100	-	-	1070
Bldg D - B1_Office 29	100	-	-	375
Bldg D - B1_Office 30	100	-	-	302
Bldg D - B1_Office 31	100	-	-	2638
Bldg D - B1_Office 32	100	-	-	942
Bldg D - B1_Office 33	100	-	-	321
Bldg D - B1_Office 34	100	-	-	345
Bldg D - B1_Office 35	100	-	-	1063
Bldg D - B1_Office 36	100	-	-	1070
Bldg D - B1_Office 37	100	-	-	375
Bldg D - B1_Office 38	100	-	-	302
Bldg D - B1_Office 39	100	-	-	2638
Bldg D - B1_Office 40	100	-	-	942
Bldg D - B1_Office 41	100	-	-	321
Bldg D - B1_Office 42	100	-	-	345
Bldg D - B1_Office 43	100	-	-	1063
Bldg D - B1_Office 44	100	-	-	1070

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg D - B1_Office 45	100	-	-	375
Bldg D - B1_Office 46	100	-	-	302
Bldg D - B1_Office 47	100	-	-	2638
Bldg D - B1_Office 48	100	-	-	942
Bldg D - B1_Office 49	100	-	-	321
Bldg D - B1_Office 50	100	-	-	345
Bldg D - B1_Office 51	100	-	-	1063
Bldg D - B1_Office 52	100	-	-	1070
Bldg D - B1_Office 53	100	-	-	375
Bldg D - B1_Office 54	100	-	-	302
Bldg D - B1_Office 55	100	-	-	2638
Bldg D - B1_Office 56	100	-	-	942
Bldg D - B1_Office 57	100	-	-	302
Bldg D - B1_Office 58	100	-	-	375
Bldg D - B1_Office 59	100	-	-	1070
Bldg D - B1_Office 60	100	-	-	1063
Bldg D - B1_Office 61	100	-	-	345
Bldg D - B1_Office 62	100	-	-	321
Bldg D - B1_Office 63	100	-	-	2638
Bldg D - B1_Office 64	100	-	-	942
Bldg D - B1_Office 65	100	-	-	321
Bldg D - B1_Office 66	100	-	-	345
Bldg D - B1_Office 67	100	-	-	1063
Bldg D - B1_Office 68	100	-	-	1070
Bldg D - B1_Office 69	100	-	-	375
Bldg D - B1_Office 70	100	-	-	302
Bldg D - B1_Office 71	100	-	-	2638
Bldg D - B1_Office 72	100	-	-	942
Bldg D - B1_Office 73	100	-	-	321
Bldg D - B1_Office 74	100	-	-	345
Bldg D - B1_Office 75	100	-	-	1063
Bldg D - B1_Office 76	100	-	-	1070
Bldg D - B1_Office 77	100	-	-	375
Bldg D - B1_Office 78	100	-	-	302
Bldg D - B1_Office 79	100	-	-	2638
Bldg D - B1_Office 80	100	-	-	942
Bldg D - B1_Office 81	100	-	-	321
Bldg D - B1_Office 82	100	-	-	345
Bldg D - B1_Office 83	100	-	-	1063
Bldg D - B1_Office 84	100	-	-	1070
Bldg D - B1_Office 85	100	-	-	375
Bldg D - B1_Office 86	100	-	-	302
Bldg D - B1_Office 87	100	-	-	2638

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg D - B1_Office 88	100	-	-	942
Bldg D - B1_Office 89	100	-	-	321
Bldg D - B1_Office 90	100	-	-	345
Bldg D - B1_Office 91	100	-	-	1063
Bldg D - B1_Office 92	100	-	-	1070
Bldg D - B1_Office 93	100	-	-	375
Bldg D - B1_Office 94	100	-	-	302
Bldg D - B1_Office 95	100	-	-	2638
Bldg D - B1_Office 96	100	-	-	940
Bldg D - B1_Office 97	100	-	-	321
Bldg D - B1_Office 98	100	-	-	345
Bldg D - B1_Office 99	100	-	-	886
Bldg D - B1_Office 100	100	-	-	656
Bldg A - B1_Office 101	100	-	-	265
Bldg A - B1_Office 102	100	-	-	197
Bldg A - B1_Office 103	100	-	-	191
Bldg A - B1_Office 104	100	-	-	214
Bldg A - B1_Office 105	100	-	-	257
Bldg A - B1_Office 106	100	-	-	171
Bldg A - B1_Office 107	100	-	-	197
Bldg A - B1_Office 108	100	-	-	253
Bldg A - B1_Office 109	100	-	-	188
Bldg A - B1_Office 110	100	-	-	540
Bldg A - B1_Office 111	100	-	-	196
Bldg A - B1_Office 112	100	-	-	264
Bldg A - B1_Office 113	100	-	-	205
Bldg A - B1_Office 114	100	-	-	155
Bldg A - B1_Office 115	100	-	-	220
Bldg A - B1_Office 116	100	-	-	199
Bldg A - B1_Office 117	100	-	-	159
Bldg A - B1_Office 118	100	-	-	198
Bldg A - B1_Office 119	100	-	-	268
Bldg A - B1_Office 120	100	-	-	199
Bldg A - B1_Office 121	100	-	-	588
Bldg A - B1_Office 122	100	-	-	197
Bldg A - B1_Office 123	100	-	-	265
Bldg A - B1_Office 124	100	-	-	197
Bldg A - B1_Office 125	100	-	-	191
Bldg A - B1_Office 126	100	-	-	214
Bldg A - B1_Office 127	100	-	-	257
Bldg A - B1_Office 128	100	-	-	171
Bldg A - B1_Office 129	100	-	-	197
Bldg A - B1_Office 130	100	-	-	253

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg A - B1_Office 131	100	-	-	188
Bldg A - B1_Office 132	100	-	-	540
Bldg A - B1_Office 133	100	-	-	196
Bldg A - B1_Office 134	100	-	-	264
Bldg A - B1_Office 135	100	-	-	205
Bldg A - B1_Office 136	100	-	-	155
Bldg A - B1_Office 137	100	-	-	220
Bldg A - B1_Office 138	100	-	-	199
Bldg A - B1_Office 139	100	-	-	171
Bldg A - B1_Office 140	100	-	-	197
Bldg A - B1_Office 141	100	-	-	253
Bldg A - B1_Office 142	100	-	-	188
Bldg A - B1_Office 143	100	-	-	540
Bldg A - B1_Office 144	100	-	-	196
Bldg A - B1_Office 145	100	-	-	264
Bldg A - B1_Office 146	100	-	-	205
Bldg A - B1_Office 147	100	-	-	155
Bldg A - B1_Office 148	100	-	-	220
Bldg A - B1_Office 149	100	-	-	199
Bldg A - B1_Office 150	100	-	-	171
Bldg A - B1_Office 151	100	-	-	197
Bldg A - B1_Office 152	100	-	-	253
Bldg A - B1_Office 153	100	-	-	188
Bldg A - B1_Office 154	100	-	-	540
Bldg A - B1_Office 155	100	-	-	196
Bldg A - B1_Office 156	100	-	-	264
Bldg A - B1_Office 157	100	-	-	205
Bldg A - B1_Office 158	100	-	-	155
Bldg A - B1_Office 159	100	-	-	220
Bldg A - B1_Office 160	100	-	-	199
Bldg B - B1_Office 101	100	-	-	289
Bldg B - B1_Office 102	100	-	-	254
Bldg B - B1_Office 103	100	-	-	289
Bldg B - B1_Office 104	100	-	-	550
Bldg B - B1_Office 105	100	-	-	1155
Bldg B - B1_Office 106	100	-	-	998
Bldg B - B1_Office 107	100	-	-	777
Bldg B - B1_Office 108	100	-	-	187
Bldg B - B1_Office 109	100	-	-	632
Bldg B - B1_Office 110	100	-	-	244
Bldg B - B1_Office 111	100	-	-	786
Bldg B - B1_Office 112	100	-	-	627
Bldg B - B1_Office 113	100	-	-	1277

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg B - B1_Office 114	100	-	-	2140
Bldg B - B1_Office 115	100	-	-	540
Bldg B - B1_Office 116	100	-	-	621
Bldg B - B1_Office 117	100	-	-	290
Bldg B - B1_Office 118	100	-	-	547
Bldg B - B1_Office 119	100	-	-	289
Bldg B - B1_Office 120	100	-	-	507
Bldg B - B1_Office 121	100	-	-	674
Bldg B - B1_Office 122	100	-	-	678
Bldg B - B1_Office 123	100	-	-	777
Bldg B - B1_Office 124	100	-	-	187
Bldg B - B1_Office 125	100	-	-	632
Bldg B - B1_Office 126	100	-	-	244
Bldg B - B1_Office 127	100	-	-	786
Bldg B - B1_Office 128	100	-	-	627
Bldg B - B1_Office 129	100	-	-	1277
Bldg B - B1_Office 130	100	-	-	2140
Bldg B - B1_Office 131	100	-	-	540
Bldg B - B1_Office 132	100	-	-	621
Bldg B - B1_Office 133	100	-	-	255
Bldg B - B1_Office 134	100	-	-	674
Bldg B - B1_Office 135	100	-	-	678
Bldg B - B1_Office 136	100	-	-	777
Bldg B - B1_Office 137	100	-	-	187
Bldg B - B1_Office 138	100	-	-	632
Bldg B - B1_Office 139	100	-	-	244
Bldg B - B1_Office 140	100	-	-	144
Bldg B - B1_Office 141	100	-	-	642
Bldg B - B1_Office 142	100	-	-	627
Bldg B - B1_Office 143	100	-	-	1277
Bldg B - B1_Office 144	100	-	-	2140
Bldg B - B1_Office 145	100	-	-	540
Bldg B - B1_Office 146	100	-	-	621
Bldg B - B1_Office 147	100	-	-	255
Bldg B - B1_Office 148	100	-	-	674
Bldg B - B1_Office 149	100	-	-	678
Bldg B - B1_Office 150	100	-	-	778
Bldg B - B1_Office 151	100	-	-	187
Bldg B - B1_Office 152	100	-	-	632
Bldg B - B1_Office 153	100	-	-	150
Bldg B - B1_Office 154	100	-	-	244
Bldg B - B1_Office 155	100	-	-	255
Bldg B - B1_Office 156	100	-	-	674

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg B - B1_Office 157	100	-	-	678
Bldg B - B1_Office 158	100	-	-	778
Bldg B - B1_Office 159	100	-	-	187
Bldg B - B1_Office 160	100	-	-	632
Bldg B - B1_Office 161	100	-	-	150
Bldg B - B1_Office 162	100	-	-	244
Bldg B - B1_Office 163	100	-	-	255
Bldg B - B1_Office 164	100	-	-	674
Bldg B - B1_Office 165	100	-	-	678
Bldg B - B1_Office 166	100	-	-	778
Bldg B - B1_Office 167	100	-	-	187
Bldg B - B1_Office 168	100	-	-	632
Bldg B - B1_Office 169	100	-	-	150
Bldg B - B1_Office 170	100	-	-	244
Bldg B - B1_Office 171	100	-	-	255
Bldg B - B1_Office 172	100	-	-	674
Bldg B - B1_Office 173	100	-	-	678
Bldg B - B1_Office 174	100	-	-	778
Bldg B - B1_Office 175	100	-	-	187
Bldg B - B1_Office 176	100	-	-	632
Bldg B - B1_Office 177	100	-	-	150
Bldg B - B1_Office 178	100	-	-	244
Bldg C - B1_Office 101	100	-	-	1113
Bldg C - B1_Office 102	100	-	-	569
Bldg C - B1_Office 103	100	-	-	280
Bldg C - B1_Office 104	100	-	-	289
Bldg C - B1_Office 105	100	-	-	570
Bldg C - B1_Office 106	100	-	-	372
Bldg C - B1_Office 107	100	-	-	157
Bldg C - B1_Office 108	100	-	-	603
Bldg C - B1_Office 109	100	-	-	192
Bldg C - B1_Office 110	100	-	-	206
Bldg C - B1_Office 111	100	-	-	837
Bldg C - B1_Office 112	100	-	-	603
Bldg C - B1_Office 113	100	-	-	158
Bldg C - B1_Office 114	100	-	-	1678
Bldg C - B1_Office 115	100	-	-	1526
Bldg C - B1_Office 116	100	-	-	540
Bldg C - B1_Office 117	100	-	-	666
Bldg C - B1_Office 118	100	-	-	766
Bldg C - B1_Office 119	100	-	-	1031
Bldg C - B1_Office 120	100	-	-	1113
Bldg C - B1_Office 121	100	-	-	569

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg C - B1_Office 122	100	-	-	280
Bldg C - B1_Office 123	100	-	-	289
Bldg C - B1_Office 124	100	-	-	570
Bldg C - B1_Office 125	100	-	-	372
Bldg C - B1_Office 126	100	-	-	157
Bldg C - B1_Office 127	100	-	-	192
Bldg C - B1_Office 128	100	-	-	603
Bldg C - B1_Office 129	100	-	-	206
Bldg C - B1_Office 130	100	-	-	837
Bldg C - B1_Office 131	100	-	-	603
Bldg C - B1_Office 132	100	-	-	158
Bldg C - B1_Office 133	100	-	-	1678
Bldg C - B1_Office 134	100	-	-	1526
Bldg C - B1_Office 135	100	-	-	666
Bldg C - B1_Office 136	100	-	-	540
Bldg C - B1_Office 137	100	-	-	766
Bldg C - B1_Office 138	100	-	-	682
Bldg C - B1_Office 139	100	-	-	609
Bldg C - B1_Office 140	100	-	-	317
Bldg C - B1_Office 141	100	-	-	192
Bldg C - B1_Office 142	100	-	-	603
Bldg C - B1_Office 143	100	-	-	206
Bldg C - B1_Office 144	100	-	-	837
Bldg C - B1_Office 145	100	-	-	603
Bldg C - B1_Office 146	100	-	-	158
Bldg C - B1_Office 147	100	-	-	1678
Bldg C - B1_Office 148	100	-	-	1526
Bldg C - B1_Office 149	100	-	-	666
Bldg C - B1_Office 150	100	-	-	540
Bldg C - B1_Office 151	100	-	-	766
Bldg C - B1_Office 152	100	-	-	682
Bldg C - B1_Office 153	100	-	-	609
Bldg C - B1_Office 154	100	-	-	317
Bldg C - B1_Office 155	100	-	-	192
Bldg C - B1_Office 156	100	-	-	603
Bldg C - B1_Office 157	100	-	-	206
Bldg C - B1_Office 158	100	-	-	178
Bldg C - B1_Office 159	100	-	-	659
Bldg C - B1_Office 160	100	-	-	603
Bldg C - B1_Office 161	100	-	-	158
Bldg C - B1_Office 162	100	-	-	1678
Bldg C - B1_Office 163	100	-	-	1526
Bldg C - B1_Office 164	100	-	-	666

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg C - B1_Office 165	100	-	-	540
Bldg C - B1_Office 166	100	-	-	766
Bldg C - B1_Office 167	100	-	-	682
Bldg C - B1_Office 168	100	-	-	609
Bldg C - B1_Office 169	100	-	-	317
Bldg C - B1_Office 170	100	-	-	192
Bldg C - B1_Office 171	100	-	-	603
Bldg C - B1_Office 172	100	-	-	206
Bldg C - B1_Office 173	100	-	-	178
Bldg C - B1_Office 174	100	-	-	767
Bldg C - B1_Office 175	100	-	-	682
Bldg C - B1_Office 176	100	-	-	609
Bldg C - B1_Office 177	100	-	-	317
Bldg C - B1_Office 178	100	-	-	192
Bldg C - B1_Office 179	100	-	-	603
Bldg C - B1_Office 180	100	-	-	178
Bldg C - B1_Office 181	100	-	-	206
Bldg C - B1_Office 182	100	-	-	767
Bldg C - B1_Office 183	100	-	-	682
Bldg C - B1_Office 184	100	-	-	609
Bldg C - B1_Office 185	100	-	-	317
Bldg C - B1_Office 186	100	-	-	192
Bldg C - B1_Office 187	100	-	-	603
Bldg C - B1_Office 188	100	-	-	178
Bldg C - B1_Office 189	100	-	-	206
Bldg C - B1_Office 190	100	-	-	609
Bldg C - B1_Office 191	100	-	-	682
Bldg C - B1_Office 192	100	-	-	767
Bldg C - B1_Office 193	100	-	-	317
Bldg C - B1_Office 194	100	-	-	192
Bldg C - B1_Office 195	100	-	-	603
Bldg C - B1_Office 196	100	-	-	178
Bldg C - B1_Office 197	100	-	-	206
Bldg C - B1_Office 198	100	-	-	767
Bldg C - B1_Office 199	100	-	-	682
Bldg C - B1_Office 200	100	-	-	609
Bldg C - B1_Office 201	100	-	-	317
Bldg D - B1_Office 101	100	-	-	545
Bldg D - B1_Office 102	100	-	-	1051
Bldg D - B1_Office 103	100	-	-	321
Bldg D - B1_Office 104	100	-	-	345
Bldg D - B1_Office 105	100	-	-	886
Bldg D - B1_Office 106	100	-	-	656

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg D - B1_Office 107	100	-	-	545
Bldg D - B1_Office 108	100	-	-	1051
Bldg D - B1_Office 109	100	-	-	321
Bldg D - B1_Office 110	100	-	-	345
Bldg D - B1_Office 111	100	-	-	886
Bldg D - B1_Office 112	100	-	-	656
Bldg D - B1_Office 113	100	-	-	545
Bldg D - B1_Office 114	100	-	-	1051
Bldg D - B1_Office 115	100	-	-	321
Bldg D - B1_Office 116	100	-	-	345
Bldg D - B1_Office 117	100	-	-	886
Bldg D - B1_Office 118	100	-	-	656
Bldg D - B1_Office 119	100	-	-	545
Bldg D - B1_Office 120	100	-	-	1051
Bldg D - B1_Office 121	100	-	-	321
Bldg D - B1_Office 122	100	-	-	345
Bldg D - B1_Office 123	100	-	-	886
Bldg D - B1_Office 124	100	-	-	656
Bldg D - B1_Office 125	100	-	-	545
Bldg D - B1_Office 126	100	-	-	1051
Bldg D - B1_Office 127	100	-	-	321
Bldg D - B1_Office 128	100	-	-	345
Bldg D - B1_Office 129	100	-	-	886
Bldg D - B1_Office 130	100	-	-	656
Bldg D - B1_Office 131	100	-	-	545
Bldg D - B1_Office 132	100	-	-	1051
Bldg D - B1_Office 133	100	-	-	321
Bldg D - B1_Office 134	100	-	-	345
Bldg D - B1_Office 135	100	-	-	886
Bldg D - B1_Office 136	100	-	-	656
Bldg D - B1_Office 137	100	-	-	545
Bldg D - B1_Office 138	100	-	-	1051
Bldg D - B1_Office 139	100	-	-	321
Bldg D - B1_Office 140	100	-	-	345
Bldg D - B1_Office 141	100	-	-	886
Bldg D - B1_Office 142	100	-	-	656
Bldg D - B1_Office 143	100	-	-	545
Bldg D - B1_Office 144	100	-	-	1051
Bldg D - B1_Office 145	100	-	-	321
Bldg D - B1_Office 146	100	-	-	345
Bldg D - B1_Office 147	100	-	-	886
Bldg D - B1_Office 148	100	-	-	656
Bldg D - B1_Office 149	100	-	-	545

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg D - B1_Office 150	100	-	-	1051
Bldg D - B1_Office 151	100	-	-	321
Bldg D - B1_Office 152	100	-	-	345
Bldg D - B1_Office 153	100	-	-	886
Bldg D - B1_Office 154	100	-	-	656
Bldg D - B1_Office 155	100	-	-	545
Bldg D - B1_Office 156	100	-	-	1051
Bldg D - B1_Office 157	100	-	-	321
Bldg D - B1_Office 158	100	-	-	345
Bldg D - B1_Office 159	100	-	-	886
Bldg D - B1_Office 160	100	-	-	656
Bldg D - B1_Office 161	100	-	-	545
Bldg D - B1_Office 162	100	-	-	1051
Bldg A - B1_Circulation 1 (Stairs)	-	100	-	336
Bldg A - B1_Circulation 2 (Stairs)	-	100	-	266
Bldg A - B1_Circulation 3	-	100	-	35
Bldg A - B1_Circulation 4	-	100	-	36
Bldg A - B1_Circulation 5	-	100	-	46
Bldg A - B1_Circulation 6	-	100	-	35
Bldg A - B1_Circulation 7	-	100	-	36
Bldg A - B1_Circulation 8	-	100	-	44
Bldg A - B1_Circulation 9	-	100	-	46
Bldg A - B1_Circulation 10	-	100	-	35
Bldg A - B1_Circulation 11	-	100	-	36
Bldg A - B1_Circulation 12	-	100	-	44
Bldg A - B1_Circulation 13	-	100	-	46
Bldg A - B1_Circulation 14	-	100	-	35
Bldg A - B1_Circulation 15	-	100	-	36
Bldg A - B1_Circulation 16	-	100	-	44
Bldg A - B1_Circulation 17	-	100	-	46
Bldg A - B1_Circulation 18	-	100	-	35
Bldg A - B1_Circulation 19	-	100	-	36
Bldg A - B1_Circulation 20	-	100	-	44
Bldg A - B1_Circulation 21	-	100	-	46
Bldg A - B1_Circulation 22	-	100	-	35
Bldg A - B1_Circulation 23	-	100	-	36
Bldg A - B1_Circulation 24	-	100	-	90
Bldg A - B1_Circulation 25	-	100	-	35
Bldg A - B1_Circulation 26	-	100	-	36
Bldg A - B1_Circulation 27	-	100	-	44
Bldg A - B1_Circulation 28	-	100	-	46
Bldg A - B1_Circulation 29	-	100	-	35
Bldg A - B1_Circulation 30	-	100	-	36

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg A - B1_Circulation 31	-	100	-	44
Bldg A - B1_Circulation 32	-	100	-	46
Bldg A - B1_Circulation 33	-	100	-	35
Bldg A - B1_Circulation 34	-	100	-	46
Bldg A - B1_Circulation 35	-	100	-	35
Bldg B - B1_Circulation 1 (Stairs)	-	100	-	467
Bldg B - B1_Circulation 2 (Stairs)	-	100	-	491
Bldg B - B1_Circulation 3 (Stairs)	-	100	-	356
Bldg B - B1_Circulation 4 (Stairs)	-	100	-	343
Bldg B - B1_Circulation 5	-	100	-	87
Bldg B - B1_Circulation 6	-	100	-	13
Bldg B - B1_Circulation 7	-	100	-	15
Bldg B - B1_Circulation 8	-	100	-	15
Bldg B - B1_Circulation 9	-	100	-	15
Bldg B - B1_Circulation 10	-	100	-	15
Bldg B - B1_Circulation 11	-	100	-	87
Bldg B - B1_Circulation 12	-	100	-	13
Bldg B - B1_Circulation 13	-	100	-	15
Bldg B - B1_Circulation 14	-	100	-	15
Bldg B - B1_Circulation 15	-	100	-	47
Bldg B - B1_Circulation 16	-	100	-	15
Bldg B - B1_Circulation 17	-	100	-	87
Bldg B - B1_Circulation 18	-	100	-	15
Bldg B - B1_Circulation 19	-	100	-	13
Bldg B - B1_Circulation 20	-	100	-	15
Bldg B - B1_Circulation 21	-	100	-	47
Bldg B - B1_Circulation 22	-	100	-	15
Bldg B - B1_Circulation 23	-	100	-	87
Bldg B - B1_Circulation 24	-	100	-	15
Bldg B - B1_Circulation 25	-	100	-	13
Bldg B - B1_Circulation 26	-	100	-	15
Bldg B - B1_Circulation 27	-	100	-	47
Bldg B - B1_Circulation 28	-	100	-	15
Bldg B - B1_Circulation 29	-	100	-	87
Bldg B - B1_Circulation 30	-	100	-	15
Bldg B - B1_Circulation 31	-	100	-	13
Bldg B - B1_Circulation 32	-	100	-	15
Bldg B - B1_Circulation 33	-	100	-	47
Bldg B - B1_Circulation 34	-	100	-	15
Bldg B - B1_Circulation 35	-	100	-	87
Bldg B - B1_Circulation 36	-	100	-	15
Bldg B - B1_Circulation 37	-	100	-	13
Bldg B - B1_Circulation 38	-	100	-	15

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg B - B1_Circulation 39	-	100	-	47
Bldg B - B1_Circulation 40	-	100	-	15
Bldg B - B1_Circulation 41	-	100	-	87
Bldg B - B1_Circulation 42	-	100	-	15
Bldg B - B1_Circulation 43	-	100	-	13
Bldg B - B1_Circulation 44	-	100	-	15
Bldg B - B1_Circulation 45	-	100	-	46
Bldg B - B1_Circulation 46	-	100	-	15
Bldg B - B1_Circulation 47	-	100	-	87
Bldg B - B1_Circulation 48	-	100	-	15
Bldg B - B1_Circulation 49	-	100	-	13
Bldg B - B1_Circulation 50	-	100	-	15
Bldg B - B1_Circulation 51	-	100	-	46
Bldg B - B1_Circulation 52	-	100	-	15
Bldg B - B1_Circulation 53	-	100	-	88
Bldg B - B1_Circulation 54	-	100	-	15
Bldg B - B1_Circulation 55	-	100	-	13
Bldg B - B1_Circulation 56	-	100	-	15
Bldg B - B1_Circulation 57	-	100	-	88
Bldg B - B1_Circulation 58	-	100	-	15
Bldg B - B1_Circulation 59	-	100	-	13
Bldg B - B1_Circulation 60	-	100	-	15
Bldg B - B1_Circulation 61	-	100	-	88
Bldg B - B1_Circulation 62	-	100	-	15
Bldg B - B1_Circulation 63	-	100	-	13
Bldg B - B1_Circulation 64	-	100	-	15
Bldg B - B1_Circulation 65	-	100	-	88
Bldg B - B1_Circulation 66	-	100	-	15
Bldg B - B1_Circulation 67	-	100	-	13
Bldg B - B1_Circulation 68	-	100	-	102
Bldg C - B1_Circulation 1 (Stairs)	-	100	-	522
Bldg C - B1_Circulation 2 (Stairs)	-	100	-	509
Bldg C - B1_Circulation 3 (Stairs)	-	100	-	392
Bldg C - B1_Circulation 4 (Stairs)	-	100	-	387
Bldg C - B1_Circulation 5	-	100	-	89
Bldg C - B1_Circulation 6	-	100	-	14
Bldg C - B1_Circulation 7	-	100	-	13
Bldg C - B1_Circulation 8	-	100	-	15
Bldg C - B1_Circulation 9	-	100	-	14
Bldg C - B1_Circulation 10	-	100	-	15
Bldg C - B1_Circulation 11	-	100	-	89
Bldg C - B1_Circulation 12	-	100	-	14
Bldg C - B1_Circulation 13	-	100	-	13

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg C - B1_Circulation 14	-	100	-	15
Bldg C - B1_Circulation 15	-	100	-	13
Bldg C - B1_Circulation 16	-	100	-	37
Bldg C - B1_Circulation 17	-	100	-	15
Bldg C - B1_Circulation 18	-	100	-	89
Bldg C - B1_Circulation 19	-	100	-	14
Bldg C - B1_Circulation 20	-	100	-	13
Bldg C - B1_Circulation 21	-	100	-	15
Bldg C - B1_Circulation 22	-	100	-	13
Bldg C - B1_Circulation 23	-	100	-	37
Bldg C - B1_Circulation 24	-	100	-	15
Bldg C - B1_Circulation 25	-	100	-	89
Bldg C - B1_Circulation 26	-	100	-	14
Bldg C - B1_Circulation 27	-	100	-	13
Bldg C - B1_Circulation 28	-	100	-	15
Bldg C - B1_Circulation 29	-	100	-	13
Bldg C - B1_Circulation 30	-	100	-	37
Bldg C - B1_Circulation 31	-	100	-	15
Bldg C - B1_Circulation 32	-	100	-	89
Bldg C - B1_Circulation 33	-	100	-	14
Bldg C - B1_Circulation 34	-	100	-	13
Bldg C - B1_Circulation 35	-	100	-	15
Bldg C - B1_Circulation 36	-	100	-	13
Bldg C - B1_Circulation 37	-	100	-	37
Bldg C - B1_Circulation 38	-	100	-	15
Bldg C - B1_Circulation 39	-	100	-	89
Bldg C - B1_Circulation 40	-	100	-	14
Bldg C - B1_Circulation 41	-	100	-	13
Bldg C - B1_Circulation 42	-	100	-	15
Bldg C - B1_Circulation 43	-	100	-	13
Bldg C - B1_Circulation 44	-	100	-	37
Bldg C - B1_Circulation 45	-	100	-	15
Bldg C - B1_Circulation 46	-	100	-	89
Bldg C - B1_Circulation 47	-	100	-	14
Bldg C - B1_Circulation 48	-	100	-	13
Bldg C - B1_Circulation 49	-	100	-	15
Bldg C - B1_Circulation 50	-	100	-	13
Bldg C - B1_Circulation 51	-	100	-	37
Bldg C - B1_Circulation 52	-	100	-	15
Bldg C - B1_Circulation 53	-	100	-	89
Bldg C - B1_Circulation 54	-	100	-	14
Bldg C - B1_Circulation 55	-	100	-	13
Bldg C - B1_Circulation 56	-	100	-	15

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg C - B1_Circulation 57	-	100	-	12
Bldg C - B1_Circulation 58	-	100	-	37
Bldg C - B1_Circulation 59	-	100	-	15
Bldg C - B1_Circulation 60	-	100	-	89
Bldg C - B1_Circulation 61	-	100	-	14
Bldg C - B1_Circulation 62	-	100	-	13
Bldg C - B1_Circulation 63	-	100	-	15
Bldg C - B1_Circulation 64	-	100	-	12
Bldg C - B1_Circulation 65	-	100	-	37
Bldg C - B1_Circulation 66	-	100	-	15
Bldg C - B1_Circulation 67	-	100	-	89
Bldg C - B1_Circulation 68	-	100	-	14
Bldg C - B1_Circulation 69	-	100	-	13
Bldg C - B1_Circulation 70	-	100	-	15
Bldg C - B1_Circulation 71	-	100	-	12
Bldg C - B1_Circulation 72	-	100	-	37
Bldg C - B1_Circulation 73	-	100	-	15
Bldg C - B1_Circulation 74	-	100	-	88
Bldg C - B1_Circulation 75	-	100	-	14
Bldg C - B1_Circulation 76	-	100	-	13
Bldg C - B1_Circulation 77	-	100	-	15
Bldg C - B1_Circulation 78	-	100	-	88
Bldg C - B1_Circulation 79	-	100	-	14
Bldg C - B1_Circulation 80	-	100	-	13
Bldg C - B1_Circulation 81	-	100	-	15
Bldg C - B1_Circulation 82	-	100	-	88
Bldg C - B1_Circulation 83	-	100	-	14
Bldg C - B1_Circulation 84	-	100	-	13
Bldg C - B1_Circulation 85	-	100	-	15
Bldg C - B1_Circulation 86	-	100	-	88
Bldg C - B1_Circulation 87	-	100	-	14
Bldg C - B1_Circulation 88	-	100	-	13
Bldg C - B1_Circulation 89	-	100	-	15
Bldg D - B1_Circulation 1 (Stairs)	-	100	-	743
Bldg D - B1_Circulation 2 (Stairs)	-	100	-	426
Bldg D - B1_Circulation 3	-	100	-	76
Bldg D - B1_Circulation 4	-	100	-	13
Bldg D - B1_Circulation 5	-	100	-	30
Bldg D - B1_Circulation 6	-	100	-	76
Bldg D - B1_Circulation 7	-	100	-	13
Bldg D - B1_Circulation 8	-	100	-	29
Bldg D - B1_Circulation 9	-	100	-	30
Bldg D - B1_Circulation 10	-	100	-	76

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg D - B1_Circulation 11	-	100	-	13
Bldg D - B1_Circulation 12	-	100	-	29
Bldg D - B1_Circulation 13	-	100	-	30
Bldg D - B1_Circulation 14	-	100	-	76
Bldg D - B1_Circulation 15	-	100	-	13
Bldg D - B1_Circulation 16	-	100	-	29
Bldg D - B1_Circulation 17	-	100	-	30
Bldg D - B1_Circulation 18	-	100	-	76
Bldg D - B1_Circulation 19	-	100	-	13
Bldg D - B1_Circulation 20	-	100	-	29
Bldg D - B1_Circulation 21	-	100	-	30
Bldg D - B1_Circulation 22	-	100	-	76
Bldg D - B1_Circulation 23	-	100	-	13
Bldg D - B1_Circulation 24	-	100	-	29
Bldg D - B1_Circulation 25	-	100	-	30
Bldg D - B1_Circulation 26	-	100	-	76
Bldg D - B1_Circulation 27	-	100	-	13
Bldg D - B1_Circulation 28	-	100	-	29
Bldg D - B1_Circulation 29	-	100	-	30
Bldg D - B1_Circulation 30	-	100	-	76
Bldg D - B1_Circulation 31	-	100	-	13
Bldg D - B1_Circulation 32	-	100	-	29
Bldg D - B1_Circulation 33	-	100	-	30
Bldg D - B1_Circulation 34	-	100	-	76
Bldg D - B1_Circulation 35	-	100	-	13
Bldg D - B1_Circulation 36	-	100	-	29
Bldg D - B1_Circulation 37	-	100	-	30
Bldg D - B1_Circulation 38	-	100	-	76
Bldg D - B1_Circulation 39	-	100	-	13
Bldg D - B1_Circulation 40	-	100	-	29
Bldg D - B1_Circulation 41	-	100	-	30
Bldg D - B1_Circulation 42	-	100	-	76
Bldg D - B1_Circulation 43	-	100	-	13
Bldg D - B1_Circulation 44	-	100	-	29
Bldg D - B1_Circulation 45	-	100	-	30
Bldg D - B1_Circulation 46	-	100	-	76
Bldg D - B1_Circulation 47	-	100	-	13
Bldg D - B1_Circulation 48	-	100	-	29
Bldg D - B1_Circulation 49	-	100	-	30
Bldg D - B1_Circulation 50	-	100	-	76
Bldg D - B1_Circulation 51	-	100	-	13
Bldg D - B1_Circulation 52	-	100	-	29
Bldg D - B1_Circulation 53	-	100	-	76

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg D - B1_Circulation 54	-	100	-	13
Bldg D - B1_Circulation 55	-	100	-	29
Bldg D - B1_Circulation 56	-	100	-	76
Bldg D - B1_Circulation 57	-	100	-	13
Bldg D - B1_Circulation 58	-	100	-	29
Bldg D - B1_Circulation 59	-	100	-	76
Bldg D - B1_Circulation 60	-	100	-	13
Bldg D - B1_Circulation 61	-	100	-	29
Bldg D - B1_Circulation 62	-	100	-	76
Bldg D - B1_Circulation 63	-	100	-	13
Bldg D - B1_Circulation 64	-	100	-	29
Bldg D - B1_Circulation 65	-	100	-	76
Bldg D - B1_Circulation 66	-	100	-	13
Bldg D - B1_Circulation 67	-	100	-	29
Bldg D - B1_Circulation 68	-	100	-	76
Bldg D - B1_Circulation 69	-	100	-	13
Bldg D - B1_Circulation 70	-	100	-	29
Bldg D - B1_Circulation 71	-	100	-	76
Bldg D - B1_Circulation 72	-	100	-	13
Bldg D - B1_Circulation 73	-	100	-	29
Bldg D - B1_Circulation 74	-	100	-	76
Bldg D - B1_Circulation 75	-	100	-	13
Bldg D - B1_Circulation 76	-	100	-	29
Bldg D - B1_Circulation 77	-	100	-	76
Bldg D - B1_Circulation 78	-	100	-	13
Bldg D - B1_Circulation 79	-	100	-	29
Bldg D - B1_Circulation 80	-	100	-	76
Bldg D - B1_Circulation 81	-	100	-	13
Bldg D - B1_Circulation 82	-	100	-	29
Bldg A - B1_Toilet 1	-	100	-	44
Bldg A - B1_Toilet 2	-	100	-	43
Bldg A - B1_Toilet 3	-	100	-	44
Bldg A - B1_Toilet 4	-	100	-	43
Bldg A - B1_Toilet 5	-	100	-	44
Bldg A - B1_Toilet 6	-	100	-	43
Bldg A - B1_Toilet 7	-	100	-	44
Bldg A - B1_Toilet 8	-	100	-	43
Bldg A - B1_Toilet 9	-	100	-	44
Bldg A - B1_Toilet 10	-	100	-	43
Bldg A - B1_Toilet 11	-	100	-	44
Bldg A - B1_Toilet 12	-	100	-	43
Bldg A - B1_Toilet 13	-	100	-	44
Bldg A - B1_Toilet 14	-	100	-	43

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg A - B1_Toilet 15	-	100	-	44
Bldg A - B1_Toilet 16	-	100	-	44
Bldg B - B1_Toilet 1	-	100	-	57
Bldg B - B1_Toilet 2	-	100	-	54
Bldg B - B1_Toilet 3	-	100	-	90
Bldg B - B1_Toilet 4	-	100	-	61
Bldg B - B1_Toilet 5	-	100	-	57
Bldg B - B1_Toilet 6	-	100	-	54
Bldg B - B1_Toilet 7	-	100	-	90
Bldg B - B1_Toilet 8	-	100	-	61
Bldg B - B1_Toilet 9	-	100	-	57
Bldg B - B1_Toilet 10	-	100	-	54
Bldg B - B1_Toilet 11	-	100	-	90
Bldg B - B1_Toilet 12	-	100	-	61
Bldg B - B1_Toilet 13	-	100	-	57
Bldg B - B1_Toilet 14	-	100	-	54
Bldg B - B1_Toilet 15	-	100	-	90
Bldg B - B1_Toilet 16	-	100	-	61
Bldg B - B1_Toilet 17	-	100	-	57
Bldg B - B1_Toilet 18	-	100	-	54
Bldg B - B1_Toilet 19	-	100	-	90
Bldg B - B1_Toilet 20	-	100	-	61
Bldg B - B1_Toilet 21	-	100	-	57
Bldg B - B1_Toilet 22	-	100	-	54
Bldg B - B1_Toilet 23	-	100	-	90
Bldg B - B1_Toilet 24	-	100	-	61
Bldg B - B1_Toilet 25	-	100	-	57
Bldg B - B1_Toilet 26	-	100	-	54
Bldg B - B1_Toilet 27	-	100	-	90
Bldg B - B1_Toilet 28	-	100	-	61
Bldg B - B1_Toilet 29	-	100	-	57
Bldg B - B1_Toilet 30	-	100	-	54
Bldg B - B1_Toilet 31	-	100	-	90
Bldg B - B1_Toilet 32	-	100	-	61
Bldg B - B1_Toilet 33	-	100	-	57
Bldg B - B1_Toilet 34	-	100	-	54
Bldg B - B1_Toilet 35	-	100	-	90
Bldg B - B1_Toilet 36	-	100	-	57
Bldg B - B1_Toilet 37	-	100	-	54
Bldg B - B1_Toilet 38	-	100	-	90
Bldg B - B1_Toilet 39	-	100	-	57
Bldg B - B1_Toilet 40	-	100	-	54
Bldg C - B1_Toilet 1	-	100	-	61

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg C - B1_Toilet 2	-	100	-	56
Bldg C - B1_Toilet 3	-	100	-	91
Bldg C - B1_Toilet 4	-	100	-	63
Bldg C - B1_Toilet 5	-	100	-	61
Bldg C - B1_Toilet 6	-	100	-	56
Bldg C - B1_Toilet 7	-	100	-	91
Bldg C - B1_Toilet 8	-	100	-	63
Bldg C - B1_Toilet 9	-	100	-	61
Bldg C - B1_Toilet 10	-	100	-	56
Bldg C - B1_Toilet 11	-	100	-	91
Bldg C - B1_Toilet 12	-	100	-	63
Bldg C - B1_Toilet 13	-	100	-	61
Bldg C - B1_Toilet 14	-	100	-	56
Bldg C - B1_Toilet 15	-	100	-	91
Bldg C - B1_Toilet 16	-	100	-	63
Bldg C - B1_Toilet 17	-	100	-	61
Bldg C - B1_Toilet 18	-	100	-	56
Bldg C - B1_Toilet 19	-	100	-	91
Bldg C - B1_Toilet 20	-	100	-	63
Bldg C - B1_Toilet 21	-	100	-	61
Bldg C - B1_Toilet 22	-	100	-	56
Bldg C - B1_Toilet 23	-	100	-	91
Bldg C - B1_Toilet 24	-	100	-	63
Bldg C - B1_Toilet 25	-	100	-	61
Bldg C - B1_Toilet 26	-	100	-	56
Bldg C - B1_Toilet 27	-	100	-	91
Bldg C - B1_Toilet 28	-	100	-	63
Bldg C - B1_Toilet 29	-	100	-	61
Bldg C - B1_Toilet 30	-	100	-	56
Bldg C - B1_Toilet 31	-	100	-	91
Bldg C - B1_Toilet 32	-	100	-	63
Bldg C - B1_Toilet 33	-	100	-	61
Bldg C - B1_Toilet 34	-	100	-	56
Bldg C - B1_Toilet 35	-	100	-	91
Bldg C - B1_Toilet 36	-	100	-	63
Bldg C - B1_Toilet 37	-	100	-	61
Bldg C - B1_Toilet 38	-	100	-	56
Bldg C - B1_Toilet 39	-	100	-	91
Bldg C - B1_Toilet 40	-	100	-	61
Bldg D - B1_Toilet 1	-	100	-	72
Bldg D - B1_Toilet 2	-	100	-	67
Bldg D - B1_Toilet 3	-	100	-	76
Bldg D - B1_Toilet 4	-	100	-	72

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg D - B1_Toilet 5	-	100	-	67
Bldg D - B1_Toilet 6	-	100	-	76
Bldg D - B1_Toilet 7	-	100	-	72
Bldg D - B1_Toilet 8	-	100	-	67
Bldg D - B1_Toilet 9	-	100	-	76
Bldg D - B1_Toilet 10	-	100	-	72
Bldg D - B1_Toilet 11	-	100	-	67
Bldg D - B1_Toilet 12	-	100	-	76
Bldg D - B1_Toilet 13	-	100	-	72
Bldg D - B1_Toilet 14	-	100	-	67
Bldg D - B1_Toilet 15	-	100	-	76
Bldg D - B1_Toilet 16	-	100	-	72
Bldg D - B1_Toilet 17	-	100	-	67
Bldg D - B1_Toilet 18	-	100	-	76
Bldg D - B1_Toilet 19	-	100	-	72
Bldg D - B1_Toilet 20	-	100	-	67
Bldg D - B1_Toilet 21	-	100	-	76
Bldg D - B1_Toilet 22	-	100	-	72
Bldg D - B1_Toilet 23	-	100	-	67
Bldg D - B1_Toilet 24	-	100	-	76
Bldg D - B1_Toilet 25	-	100	-	72
Bldg D - B1_Toilet 26	-	100	-	67
Bldg D - B1_Toilet 27	-	100	-	76
Bldg D - B1_Toilet 28	-	100	-	72
Bldg D - B1_Toilet 29	-	100	-	67
Bldg D - B1_Toilet 30	-	100	-	76
Bldg D - B1_Toilet 31	-	100	-	72
Bldg D - B1_Toilet 32	-	100	-	67
Bldg D - B1_Toilet 33	-	100	-	76
Bldg D - B1_Toilet 34	-	100	-	72
Bldg D - B1_Toilet 35	-	100	-	67
Bldg D - B1_Toilet 36	-	100	-	76
Bldg D - B1_Toilet 37	-	100	-	67
Bldg D - B1_Toilet 38	-	100	-	76
Bldg D - B1_Toilet 39	-	100	-	67
Bldg D - B1_Toilet 40	-	100	-	76
Bldg B - B1_Toilet 41	-	100	-	90
Bldg B - B1_Toilet 42	-	100	-	57
Bldg B - B1_Toilet 43	-	100	-	54
Bldg B - B1_Toilet 44	-	100	-	90
Bldg B - B1_Circulation 101	-	100	-	15
Bldg B - B1_Circulation 102	-	100	-	13
Bldg B - B1_Circulation 103	-	100	-	15

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg B - B1_Circulation 104	-	100	-	47
Bldg B - B1_Circulation 105	-	100	-	15
Bldg C - B1_Toilet 41	-	100	-	56
Bldg C - B1_Toilet 42	-	100	-	91
Bldg C - B1_Toilet 43	-	100	-	61
Bldg C - B1_Toilet 44	-	100	-	56
Bldg C - B1_Toilet 45	-	100	-	91
Bldg C - B1_Toilet 46	-	100	-	61
Bldg C - B1_Toilet 47	-	100	-	56
Bldg C - B1_Toilet 48	-	100	-	91
Bldg D - B1_Toilet 41	-	100	-	67
Bldg D - B1_Toilet 42	-	100	-	76
Bldg D - B1_Toilet 43	-	100	-	67
Bldg D - B1_Toilet 44	-	100	-	76
Bldg D - B1_Toilet 45	-	100	-	67
Bldg D - B1_Toilet 46	-	100	-	76
Bldg D - B1_Toilet 47	-	100	-	67
Bldg D - B1_Toilet 48	-	100	-	76
Bldg D - B1_Toilet 49	-	100	-	67
Bldg D - B1_Toilet 50	-	100	-	76
Bldg D - B1_Toilet 51	-	100	-	67
Bldg D - B1_Toilet 52	-	100	-	76
Bldg D - B1_Toilet 53	-	100	-	67
Bldg D - B1_Toilet 54	-	100	-	76
Bldg D - B1_Toilet 55	-	100	-	67
Bldg D - B1_Toilet 56	-	100	-	76
Bldg A - B1_Store (Refuse) 1	100	-	-	82
Bldg B - B1_Store (Refuse) 1	100	-	-	131
Bldg C - B1_Store (Refuse) 1	100	-	-	127
Bldg D - B1_Store (Refuse) 1	100	-	-	128
Bldg A - B1_Plant 1	100	-	-	911
Bldg B - B1_Plant 1	100	-	-	234
Bldg B - B1_Plant 2	100	-	-	329
Bldg C - B1_Plant 1	100	-	-	334
Bldg C - B1_Plant 2	100	-	-	328
Bldg D - B1_Plant 1	100	-	-	1122

Criterion 3: The spaces in the building should have appropriate passive control measures to limit solar gains

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
Bldg A - B1_Office 1	NO (-39%)	NO
Bldg A - B1_Office 2	NO (-24%)	NO
Bldg A - B1_Office 3	NO (-19%)	NO
Bldg A - B1_Office 4	YES (+2%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
Bldg A - B1_Office 5	NO (-18%)	NO
Bldg A - B1_Office 6	NO (-36%)	NO
Bldg A - B1_Office 7	NO (-32%)	NO
Bldg A - B1_Office 8	NO (-35%)	NO
Bldg A - B1_Office 9	NO (-84%)	NO
Bldg A - B1_Office 10	NO (-22%)	NO
Bldg A - B1_Office 11	NO (-39%)	NO
Bldg A - B1_Office 12	NO (-37%)	NO
Bldg A - B1_Office 13	NO (-42%)	NO
Bldg A - B1_Office 14	NO (-24%)	NO
Bldg A - B1_Office 15	NO (-21%)	NO
Bldg A - B1_Office 16	YES (+16%)	NO
Bldg A - B1_Office 17	YES (+2%)	NO
Bldg A - B1_Office 18	NO (-20%)	NO
Bldg A - B1_Office 19	NO (-35%)	NO
Bldg A - B1_Office 20	NO (-32%)	NO
Bldg A - B1_Office 21	NO (-38%)	NO
Bldg A - B1_Office 22	NO (-84%)	NO
Bldg A - B1_Office 23	NO (-21%)	NO
Bldg A - B1_Office 24	NO (-38%)	NO
Bldg A - B1_Office 25	NO (-34%)	NO
Bldg A - B1_Office 26	NO (-41%)	NO
Bldg A - B1_Office 27	NO (-25%)	NO
Bldg A - B1_Office 28	NO (-21%)	NO
Bldg A - B1_Office 29	YES (+16%)	NO
Bldg A - B1_Office 30	YES (+2%)	NO
Bldg A - B1_Office 31	NO (-20%)	NO
Bldg A - B1_Office 32	NO (-36%)	NO
Bldg A - B1_Office 33	NO (-31%)	NO
Bldg A - B1_Office 34	NO (-37%)	NO
Bldg A - B1_Office 35	NO (-83%)	NO
Bldg A - B1_Office 36	NO (-17%)	NO
Bldg A - B1_Office 37	NO (-36%)	NO
Bldg A - B1_Office 38	NO (-34%)	NO
Bldg A - B1_Office 39	NO (-41%)	NO
Bldg A - B1_Office 40	NO (-25%)	NO
Bldg A - B1_Office 41	NO (-22%)	NO
Bldg A - B1_Office 42	NO (-21%)	NO
Bldg A - B1_Office 43	YES (+16%)	NO
Bldg A - B1_Office 44	YES (+2%)	NO
Bldg A - B1_Office 45	NO (-19%)	NO
Bldg A - B1_Office 46	NO (-30%)	NO
Bldg A - B1_Office 47	NO (-37%)	NO
Bldg A - B1_Office 48	NO (-31%)	NO
Bldg A - B1_Office 49	NO (-36%)	NO
Bldg A - B1_Office 50	NO (-84%)	NO
Bldg A - B1_Office 51	NO (-8%)	NO
Bldg A - B1_Office 52	NO (-33%)	NO
Bldg A - B1_Office 53	NO (-24%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
Bldg A - B1_Office 54	NO (-28%)	NO
Bldg A - B1_Office 55	NO (-17%)	NO
Bldg A - B1_Office 56	NO (-36%)	NO
Bldg A - B1_Office 57	NO (-16%)	NO
Bldg A - B1_Office 58	NO (-33%)	NO
Bldg A - B1_Office 59	NO (-28%)	NO
Bldg A - B1_Office 60	NO (-66%)	NO
Bldg A - B1_Office 61	NO (-57%)	NO
Bldg A - B1_Office 62	YES (+4%)	NO
Bldg A - B1_Office 63	NO (-18%)	NO
Bldg A - B1_Office 64	NO (-22%)	NO
Bldg A - B1_Office 65	NO (-39%)	NO
Bldg A - B1_Office 66	NO (-34%)	NO
Bldg A - B1_Office 67	NO (-32%)	NO
Bldg A - B1_Office 68	NO (-15%)	NO
Bldg A - B1_Office 69	NO (-21%)	NO
Bldg A - B1_Office 70	YES (+18%)	NO
Bldg A - B1_Office 71	NO (-67%)	NO
Bldg A - B1_Office 72	NO (-56%)	NO
Bldg A - B1_Office 73	NO (-1%)	NO
Bldg A - B1_Office 74	NO (-31%)	NO
Bldg A - B1_Office 75	NO (-24%)	NO
Bldg A - B1_Office 76	NO (-27%)	NO
Bldg A - B1_Office 77	NO (-16%)	NO
Bldg A - B1_Office 78	NO (-35%)	NO
Bldg A - B1_Office 79	NO (-14%)	NO
Bldg A - B1_Office 80	NO (-31%)	NO
Bldg A - B1_Office 81	NO (-25%)	NO
Bldg A - B1_Office 82	NO (-56%)	NO
Bldg A - B1_Office 83	NO (-65%)	NO
Bldg A - B1_Office 84	YES (+4%)	NO
Bldg A - B1_Office 85	NO (-17%)	NO
Bldg A - B1_Office 86	NO (-19%)	NO
Bldg A - B1_Office 87	NO (-37%)	NO
Bldg A - B1_Office 88	NO (-33%)	NO
Bldg A - B1_Office 89	NO (-31%)	NO
Bldg A - B1_Office 90	NO (-15%)	NO
Bldg A - B1_Office 91	NO (-21%)	NO
Bldg A - B1_Office 92	YES (+18%)	NO
Bldg A - B1_Office 93	NO (-66%)	NO
Bldg A - B1_Office 94	NO (-56%)	NO
Bldg A - B1_Office 95	YES (+5%)	NO
Bldg A - B1_Office 96	NO (-29%)	NO
Bldg A - B1_Office 97	NO (-23%)	NO
Bldg A - B1_Office 98	NO (-27%)	NO
Bldg A - B1_Office 99	NO (-14%)	NO
Bldg A - B1_Office 100	NO (-33%)	NO
Bldg B - B1_Office 1	NO (-15%)	NO
Bldg B - B1_Office 2	NO (-14%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
Bldg B - B1_Office 3	NO (-16%)	NO
Bldg B - B1_Office 4	NO (-15%)	NO
Bldg B - B1_Office 5	NO (-52%)	NO
Bldg B - B1_Office 6	NO (-71%)	NO
Bldg B - B1_Office 7	NO (-65%)	NO
Bldg B - B1_Office 8	NO (-34%)	NO
Bldg B - B1_Office 9	NO (-36%)	NO
Bldg B - B1_Office 10	NO (-46%)	NO
Bldg B - B1_Office 11	NO (-36%)	NO
Bldg B - B1_Office 12	NO (-52%)	NO
Bldg B - B1_Office 13	NO (-49%)	NO
Bldg B - B1_Office 14	NO (-12%)	NO
Bldg B - B1_Office 15	NO (-14%)	NO
Bldg B - B1_Office 16	NO (-63%)	NO
Bldg B - B1_Office 17	NO (-15%)	NO
Bldg B - B1_Office 18	NO (-15%)	NO
Bldg B - B1_Office 19	NO (-40%)	NO
Bldg B - B1_Office 20	NO (-23%)	NO
Bldg B - B1_Office 21	NO (-36%)	NO
Bldg B - B1_Office 22	NO (-45%)	NO
Bldg B - B1_Office 23	NO (-36%)	NO
Bldg B - B1_Office 24	NO (-38%)	NO
Bldg B - B1_Office 25	NO (-73%)	NO
Bldg B - B1_Office 26	NO (-41%)	NO
Bldg B - B1_Office 27	NO (-46%)	NO
Bldg B - B1_Office 28	NO (-49%)	NO
Bldg B - B1_Office 29	NO (-51%)	NO
Bldg B - B1_Office 30	NO (-79%)	NO
Bldg B - B1_Office 31	NO (-12%)	NO
Bldg B - B1_Office 32	NO (-14%)	NO
Bldg B - B1_Office 33	NO (-63%)	NO
Bldg B - B1_Office 34	NO (-15%)	NO
Bldg B - B1_Office 35	NO (-15%)	NO
Bldg B - B1_Office 36	NO (-39%)	NO
Bldg B - B1_Office 37	NO (-21%)	NO
Bldg B - B1_Office 38	NO (-36%)	NO
Bldg B - B1_Office 39	NO (-46%)	NO
Bldg B - B1_Office 40	NO (-35%)	NO
Bldg B - B1_Office 41	NO (-35%)	NO
Bldg B - B1_Office 42	NO (-75%)	NO
Bldg B - B1_Office 43	NO (-38%)	NO
Bldg B - B1_Office 44	NO (-48%)	NO
Bldg B - B1_Office 45	NO (-49%)	NO
Bldg B - B1_Office 46	NO (-43%)	NO
Bldg B - B1_Office 47	NO (-80%)	NO
Bldg B - B1_Office 48	NO (-12%)	NO
Bldg B - B1_Office 49	NO (-14%)	NO
Bldg B - B1_Office 50	NO (-63%)	NO
Bldg B - B1_Office 51	NO (-15%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
Bldg B - B1_Office 52	NO (-15%)	NO
Bldg B - B1_Office 53	NO (-39%)	NO
Bldg B - B1_Office 54	NO (-16%)	NO
Bldg B - B1_Office 55	NO (-35%)	NO
Bldg B - B1_Office 56	NO (-45%)	NO
Bldg B - B1_Office 57	NO (-34%)	NO
Bldg B - B1_Office 58	NO (-34%)	NO
Bldg B - B1_Office 59	NO (-77%)	NO
Bldg B - B1_Office 60	NO (-37%)	NO
Bldg B - B1_Office 61	NO (-71%)	NO
Bldg B - B1_Office 62	NO (-40%)	NO
Bldg B - B1_Office 63	NO (-72%)	NO
Bldg B - B1_Office 64	NO (-49%)	NO
Bldg B - B1_Office 65	NO (-48%)	NO
Bldg B - B1_Office 66	NO (-80%)	NO
Bldg B - B1_Office 67	NO (-13%)	NO
Bldg B - B1_Office 68	NO (-31%)	NO
Bldg B - B1_Office 69	NO (-32%)	NO
Bldg B - B1_Office 70	NO (-74%)	NO
Bldg B - B1_Office 71	NO (-35%)	NO
Bldg B - B1_Office 72	NO (-12%)	NO
Bldg B - B1_Office 73	NO (-14%)	NO
Bldg B - B1_Office 74	NO (-63%)	NO
Bldg B - B1_Office 75	NO (-15%)	NO
Bldg B - B1_Office 76	NO (-15%)	NO
Bldg B - B1_Office 77	NO (-38%)	NO
Bldg B - B1_Office 78	NO (-80%)	NO
Bldg B - B1_Office 79	NO (-47%)	NO
Bldg B - B1_Office 80	NO (-47%)	NO
Bldg B - B1_Office 81	NO (-10%)	NO
Bldg B - B1_Office 82	NO (-32%)	NO
Bldg B - B1_Office 83	NO (-31%)	NO
Bldg B - B1_Office 84	NO (-61%)	NO
Bldg B - B1_Office 85	NO (-4%)	NO
Bldg B - B1_Office 86	NO (-28%)	NO
Bldg B - B1_Office 87	NO (-30%)	NO
Bldg B - B1_Office 88	NO (-72%)	NO
Bldg B - B1_Office 89	NO (-29%)	NO
Bldg B - B1_Office 90	NO (-12%)	NO
Bldg B - B1_Office 91	NO (-13%)	NO
Bldg B - B1_Office 92	NO (-63%)	NO
Bldg B - B1_Office 93	NO (-14%)	NO
Bldg B - B1_Office 94	NO (-15%)	NO
Bldg B - B1_Office 95	NO (-37%)	NO
Bldg B - B1_Office 96	NO (-80%)	NO
Bldg B - B1_Office 97	NO (-47%)	NO
Bldg B - B1_Office 98	NO (-45%)	NO
Bldg B - B1_Office 99	NO (-7%)	NO
Bldg B - B1_Office 100	NO (-32%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
Bldg C - B1_Office 1	NO (-15%)	NO
Bldg C - B1_Office 2	NO (-14%)	NO
Bldg C - B1_Office 3	NO (-64%)	NO
Bldg C - B1_Office 4	NO (-14%)	NO
Bldg C - B1_Office 5	NO (-15%)	NO
Bldg C - B1_Office 6	NO (-63%)	NO
Bldg C - B1_Office 7	NO (-51%)	NO
Bldg C - B1_Office 9	NO (-36%)	NO
Bldg C - B1_Office 10	NO (-50%)	NO
Bldg C - B1_Office 11	NO (-46%)	NO
Bldg C - B1_Office 12	NO (-36%)	NO
Bldg C - B1_Office 13	NO (-36%)	NO
Bldg C - B1_Office 14	NO (-14%)	NO
Bldg C - B1_Office 15	NO (-15%)	NO
Bldg C - B1_Office 16	NO (-63%)	NO
Bldg C - B1_Office 17	NO (-13%)	NO
Bldg C - B1_Office 18	NO (-16%)	NO
Bldg C - B1_Office 19	NO (-63%)	NO
Bldg C - B1_Office 20	NO (-36%)	NO
Bldg C - B1_Office 21	NO (-91%)	NO
Bldg C - B1_Office 22	NO (-98%)	NO
Bldg C - B1_Office 23	NO (-98%)	NO
Bldg C - B1_Office 24	NO (-96%)	NO
Bldg C - B1_Office 25	NO (-80%)	NO
Bldg C - B1_Office 26	NO (-43%)	NO
Bldg C - B1_Office 27	NO (-36%)	NO
Bldg C - B1_Office 28	NO (-46%)	NO
Bldg C - B1_Office 29	NO (-95%)	NO
Bldg C - B1_Office 30	NO (-36%)	NO
Bldg C - B1_Office 31	NO (-15%)	NO
Bldg C - B1_Office 32	NO (-14%)	NO
Bldg C - B1_Office 33	NO (-15%)	NO
Bldg C - B1_Office 34	NO (-63%)	NO
Bldg C - B1_Office 35	NO (-13%)	NO
Bldg C - B1_Office 36	NO (-16%)	NO
Bldg C - B1_Office 37	NO (-63%)	NO
Bldg C - B1_Office 38	NO (-36%)	NO
Bldg C - B1_Office 39	NO (-91%)	NO
Bldg C - B1_Office 40	NO (-98%)	NO
Bldg C - B1_Office 41	NO (-98%)	NO
Bldg C - B1_Office 42	NO (-97%)	NO
Bldg C - B1_Office 43	NO (-81%)	NO
Bldg C - B1_Office 44	NO (-41%)	NO
Bldg C - B1_Office 45	NO (-36%)	NO
Bldg C - B1_Office 46	NO (-47%)	NO
Bldg C - B1_Office 47	NO (-95%)	NO
Bldg C - B1_Office 48	NO (-36%)	NO
Bldg C - B1_Office 49	NO (-15%)	NO
Bldg C - B1_Office 50	NO (-14%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
Bldg C - B1_Office 51	NO (-15%)	NO
Bldg C - B1_Office 52	NO (-63%)	NO
Bldg C - B1_Office 53	NO (-13%)	NO
Bldg C - B1_Office 54	NO (-16%)	NO
Bldg C - B1_Office 55	NO (-63%)	NO
Bldg C - B1_Office 56	NO (-36%)	NO
Bldg C - B1_Office 57	NO (-91%)	NO
Bldg C - B1_Office 58	NO (-98%)	NO
Bldg C - B1_Office 59	NO (-98%)	NO
Bldg C - B1_Office 60	NO (-96%)	NO
Bldg C - B1_Office 61	NO (-82%)	NO
Bldg C - B1_Office 62	NO (-39%)	NO
Bldg C - B1_Office 63	NO (-34%)	NO
Bldg C - B1_Office 64	NO (-47%)	NO
Bldg C - B1_Office 65	NO (-85%)	NO
Bldg C - B1_Office 66	NO (-95%)	NO
Bldg C - B1_Office 67	NO (-36%)	NO
Bldg C - B1_Office 68	NO (-74%)	NO
Bldg C - B1_Office 69	NO (-14%)	NO
Bldg C - B1_Office 70	NO (-14%)	NO
Bldg C - B1_Office 71	NO (-15%)	NO
Bldg C - B1_Office 72	NO (-62%)	NO
Bldg C - B1_Office 73	NO (-12%)	NO
Bldg C - B1_Office 74	NO (-16%)	NO
Bldg C - B1_Office 75	NO (-63%)	NO
Bldg C - B1_Office 76	NO (-35%)	NO
Bldg C - B1_Office 77	NO (-82%)	NO
Bldg C - B1_Office 78	NO (-47%)	NO
Bldg C - B1_Office 79	NO (-45%)	NO
Bldg C - B1_Office 80	NO (-38%)	NO
Bldg C - B1_Office 81	NO (-74%)	NO
Bldg C - B1_Office 82	NO (-37%)	NO
Bldg C - B1_Office 83	NO (-31%)	NO
Bldg C - B1_Office 84	NO (-15%)	NO
Bldg C - B1_Office 85	NO (-34%)	NO
Bldg C - B1_Office 86	NO (-31%)	NO
Bldg C - B1_Office 87	NO (-60%)	NO
Bldg C - B1_Office 88	NO (-11%)	NO
Bldg C - B1_Office 89	NO (-14%)	NO
Bldg C - B1_Office 90	NO (-15%)	NO
Bldg C - B1_Office 91	NO (-62%)	NO
Bldg C - B1_Office 92	NO (-12%)	NO
Bldg C - B1_Office 93	NO (-16%)	NO
Bldg C - B1_Office 94	NO (-63%)	NO
Bldg C - B1_Office 95	NO (-35%)	NO
Bldg C - B1_Office 96	NO (-82%)	NO
Bldg C - B1_Office 97	NO (-45%)	NO
Bldg C - B1_Office 98	NO (-47%)	NO
Bldg C - B1_Office 99	NO (-34%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
Bldg C - B1_Office 100	NO (-73%)	NO
Bldg D - B1_Office 1	YES (+2%)	NO
Bldg D - B1_Office 2	YES (+1%)	NO
Bldg D - B1_Office 3	NO (-25%)	NO
Bldg D - B1_Office 4	NO (-46%)	NO
Bldg D - B1_Office 5	NO (-38%)	NO
Bldg D - B1_Office 6	NO (-32%)	NO
Bldg D - B1_Office 7	NO (-15%)	NO
Bldg D - B1_Office 8	NO (-77%)	NO
Bldg D - B1_Office 9	YES (+1%)	NO
Bldg D - B1_Office 10	YES (+2%)	NO
Bldg D - B1_Office 11	NO (-29%)	NO
Bldg D - B1_Office 12	NO (-40%)	NO
Bldg D - B1_Office 13	NO (-31%)	NO
Bldg D - B1_Office 14	NO (-15%)	NO
Bldg D - B1_Office 15	NO (-72%)	NO
Bldg D - B1_Office 16	NO (-9%)	NO
Bldg D - B1_Office 17	YES (+1%)	NO
Bldg D - B1_Office 18	YES (+1%)	NO
Bldg D - B1_Office 19	NO (-29%)	NO
Bldg D - B1_Office 20	NO (-38%)	NO
Bldg D - B1_Office 21	NO (-31%)	NO
Bldg D - B1_Office 22	NO (-15%)	NO
Bldg D - B1_Office 23	NO (-73%)	NO
Bldg D - B1_Office 24	NO (-8%)	NO
Bldg D - B1_Office 25	YES (+1%)	NO
Bldg D - B1_Office 26	YES (+1%)	NO
Bldg D - B1_Office 27	NO (-29%)	NO
Bldg D - B1_Office 28	NO (-37%)	NO
Bldg D - B1_Office 29	NO (-31%)	NO
Bldg D - B1_Office 30	NO (-15%)	NO
Bldg D - B1_Office 31	NO (-73%)	NO
Bldg D - B1_Office 32	NO (-8%)	NO
Bldg D - B1_Office 33	YES (+1%)	NO
Bldg D - B1_Office 34	YES (+1%)	NO
Bldg D - B1_Office 35	NO (-29%)	NO
Bldg D - B1_Office 36	NO (-36%)	NO
Bldg D - B1_Office 37	NO (-31%)	NO
Bldg D - B1_Office 38	NO (-15%)	NO
Bldg D - B1_Office 39	NO (-73%)	NO
Bldg D - B1_Office 40	NO (-8%)	NO
Bldg D - B1_Office 41	YES (+1%)	NO
Bldg D - B1_Office 42	YES (+1%)	NO
Bldg D - B1_Office 43	NO (-29%)	NO
Bldg D - B1_Office 44	NO (-34%)	NO
Bldg D - B1_Office 45	NO (-31%)	NO
Bldg D - B1_Office 46	NO (-15%)	NO
Bldg D - B1_Office 47	NO (-72%)	NO
Bldg D - B1_Office 48	NO (-8%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
Bldg D - B1_Office 49	YES (+1%)	NO
Bldg D - B1_Office 50	YES (+1%)	NO
Bldg D - B1_Office 51	NO (-28%)	NO
Bldg D - B1_Office 52	NO (-32%)	NO
Bldg D - B1_Office 53	NO (-31%)	NO
Bldg D - B1_Office 54	NO (-15%)	NO
Bldg D - B1_Office 55	NO (-72%)	NO
Bldg D - B1_Office 56	NO (-8%)	NO
Bldg D - B1_Office 57	NO (-15%)	NO
Bldg D - B1_Office 58	NO (-30%)	NO
Bldg D - B1_Office 59	NO (-29%)	NO
Bldg D - B1_Office 60	NO (-28%)	NO
Bldg D - B1_Office 61	YES (+2%)	NO
Bldg D - B1_Office 62	YES (+1%)	NO
Bldg D - B1_Office 63	NO (-71%)	NO
Bldg D - B1_Office 64	NO (-8%)	NO
Bldg D - B1_Office 65	YES (+1%)	NO
Bldg D - B1_Office 66	YES (+2%)	NO
Bldg D - B1_Office 67	NO (-27%)	NO
Bldg D - B1_Office 68	NO (-27%)	NO
Bldg D - B1_Office 69	NO (-30%)	NO
Bldg D - B1_Office 70	NO (-15%)	NO
Bldg D - B1_Office 71	NO (-70%)	NO
Bldg D - B1_Office 72	NO (-8%)	NO
Bldg D - B1_Office 73	YES (+1%)	NO
Bldg D - B1_Office 74	YES (+2%)	NO
Bldg D - B1_Office 75	NO (-27%)	NO
Bldg D - B1_Office 76	NO (-26%)	NO
Bldg D - B1_Office 77	NO (-29%)	NO
Bldg D - B1_Office 78	NO (-15%)	NO
Bldg D - B1_Office 79	NO (-69%)	NO
Bldg D - B1_Office 80	NO (-8%)	NO
Bldg D - B1_Office 81	YES (+1%)	NO
Bldg D - B1_Office 82	YES (+2%)	NO
Bldg D - B1_Office 83	NO (-26%)	NO
Bldg D - B1_Office 84	NO (-25%)	NO
Bldg D - B1_Office 85	NO (-28%)	NO
Bldg D - B1_Office 86	NO (-15%)	NO
Bldg D - B1_Office 87	NO (-68%)	NO
Bldg D - B1_Office 88	NO (-7%)	NO
Bldg D - B1_Office 89	YES (+1%)	NO
Bldg D - B1_Office 90	YES (+2%)	NO
Bldg D - B1_Office 91	NO (-25%)	NO
Bldg D - B1_Office 92	NO (-24%)	NO
Bldg D - B1_Office 93	NO (-27%)	NO
Bldg D - B1_Office 94	NO (-15%)	NO
Bldg D - B1_Office 95	NO (-68%)	NO
Bldg D - B1_Office 96	NO (-8%)	NO
Bldg D - B1_Office 97	YES (+2%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
Bldg D - B1_Office 98	YES (+2%)	NO
Bldg D - B1_Office 99	NO (-19%)	NO
Bldg D - B1_Office 100	NO (-32%)	NO
Bldg A - B1_Office 101	NO (-12%)	NO
Bldg A - B1_Office 102	NO (-27%)	NO
Bldg A - B1_Office 103	NO (-22%)	NO
Bldg A - B1_Office 104	NO (-54%)	NO
Bldg A - B1_Office 105	NO (-65%)	NO
Bldg A - B1_Office 106	YES (+4%)	NO
Bldg A - B1_Office 107	NO (-16%)	NO
Bldg A - B1_Office 108	NO (-16%)	NO
Bldg A - B1_Office 109	NO (-36%)	NO
Bldg A - B1_Office 110	NO (-32%)	NO
Bldg A - B1_Office 111	NO (-29%)	NO
Bldg A - B1_Office 112	NO (-14%)	NO
Bldg A - B1_Office 113	NO (-20%)	NO
Bldg A - B1_Office 114	YES (+18%)	NO
Bldg A - B1_Office 115	NO (-66%)	NO
Bldg A - B1_Office 116	NO (-56%)	NO
Bldg A - B1_Office 117	YES (+7%)	NO
Bldg A - B1_Office 118	NO (-28%)	NO
Bldg A - B1_Office 119	NO (-23%)	NO
Bldg A - B1_Office 120	NO (-27%)	NO
Bldg A - B1_Office 121	NO (-12%)	NO
Bldg A - B1_Office 122	NO (-28%)	NO
Bldg A - B1_Office 123	NO (-6%)	NO
Bldg A - B1_Office 124	NO (-24%)	NO
Bldg A - B1_Office 125	NO (-19%)	NO
Bldg A - B1_Office 126	NO (-54%)	NO
Bldg A - B1_Office 127	NO (-64%)	NO
Bldg A - B1_Office 128	YES (+7%)	NO
Bldg A - B1_Office 129	NO (-14%)	NO
Bldg A - B1_Office 130	NO (-11%)	NO
Bldg A - B1_Office 131	NO (-32%)	NO
Bldg A - B1_Office 132	NO (-27%)	NO
Bldg A - B1_Office 133	NO (-27%)	NO
Bldg A - B1_Office 134	NO (-13%)	NO
Bldg A - B1_Office 135	NO (-20%)	NO
Bldg A - B1_Office 136	YES (+18%)	NO
Bldg A - B1_Office 137	NO (-62%)	NO
Bldg A - B1_Office 138	NO (-55%)	NO
Bldg A - B1_Office 139	YES (+9%)	NO
Bldg A - B1_Office 140	NO (-12%)	NO
Bldg A - B1_Office 141	NO (-8%)	NO
Bldg A - B1_Office 142	NO (-30%)	NO
Bldg A - B1_Office 143	NO (-26%)	NO
Bldg A - B1_Office 144	NO (-27%)	NO
Bldg A - B1_Office 145	NO (-12%)	NO
Bldg A - B1_Office 146	NO (-20%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
Bldg A - B1_Office 147	YES (+18%)	NO
Bldg A - B1_Office 148	NO (-59%)	NO
Bldg A - B1_Office 149	NO (-55%)	NO
Bldg A - B1_Office 150	YES (+11%)	NO
Bldg A - B1_Office 151	NO (-10%)	NO
Bldg A - B1_Office 152	NO (-4%)	NO
Bldg A - B1_Office 153	NO (-28%)	NO
Bldg A - B1_Office 154	NO (-25%)	NO
Bldg A - B1_Office 155	NO (-27%)	NO
Bldg A - B1_Office 156	NO (-12%)	NO
Bldg A - B1_Office 157	NO (-20%)	NO
Bldg A - B1_Office 158	YES (+18%)	NO
Bldg A - B1_Office 159	NO (-57%)	NO
Bldg A - B1_Office 160	NO (-55%)	NO
Bldg B - B1_Office 101	NO (-31%)	NO
Bldg B - B1_Office 102	NO (-59%)	NO
Bldg B - B1_Office 103	YES (+3%)	NO
Bldg B - B1_Office 104	NO (-26%)	NO
Bldg B - B1_Office 105	NO (-26%)	NO
Bldg B - B1_Office 106	NO (-67%)	NO
Bldg B - B1_Office 107	NO (-18%)	NO
Bldg B - B1_Office 108	NO (-12%)	NO
Bldg B - B1_Office 109	NO (-12%)	NO
Bldg B - B1_Office 110	NO (-62%)	NO
Bldg B - B1_Office 111	NO (-13%)	NO
Bldg B - B1_Office 112	NO (-15%)	NO
Bldg B - B1_Office 113	NO (-35%)	NO
Bldg B - B1_Office 114	NO (-80%)	NO
Bldg B - B1_Office 115	NO (-47%)	NO
Bldg B - B1_Office 116	NO (-44%)	NO
Bldg B - B1_Office 117	YES (+3%)	NO
Bldg B - B1_Office 118	NO (-30%)	NO
Bldg B - B1_Office 119	NO (-26%)	NO
Bldg B - B1_Office 120	NO (-12%)	NO
Bldg B - B1_Office 121	NO (-24%)	NO
Bldg B - B1_Office 122	NO (-69%)	NO
Bldg B - B1_Office 123	NO (-10%)	NO
Bldg B - B1_Office 124	NO (-12%)	NO
Bldg B - B1_Office 125	NO (-11%)	NO
Bldg B - B1_Office 126	NO (-62%)	NO
Bldg B - B1_Office 127	NO (-11%)	NO
Bldg B - B1_Office 128	NO (-15%)	NO
Bldg B - B1_Office 129	NO (-33%)	NO
Bldg B - B1_Office 130	NO (-80%)	NO
Bldg B - B1_Office 131	NO (-46%)	NO
Bldg B - B1_Office 132	NO (-44%)	NO
Bldg B - B1_Office 133	NO (-27%)	NO
Bldg B - B1_Office 134	NO (-21%)	NO
Bldg B - B1_Office 135	NO (-65%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
Bldg B - B1_Office 136	NO (-2%)	NO
Bldg B - B1_Office 137	NO (-9%)	NO
Bldg B - B1_Office 138	NO (-10%)	NO
Bldg B - B1_Office 139	NO (-61%)	NO
Bldg B - B1_Office 140	YES (+20%)	NO
Bldg B - B1_Office 141	NO (-13%)	NO
Bldg B - B1_Office 142	NO (-15%)	NO
Bldg B - B1_Office 143	NO (-31%)	NO
Bldg B - B1_Office 144	NO (-79%)	NO
Bldg B - B1_Office 145	NO (-43%)	NO
Bldg B - B1_Office 146	NO (-42%)	NO
Bldg B - B1_Office 147	NO (-27%)	NO
Bldg B - B1_Office 148	NO (-20%)	NO
Bldg B - B1_Office 149	NO (-63%)	NO
Bldg B - B1_Office 150	NO (-3%)	NO
Bldg B - B1_Office 151	NO (-8%)	NO
Bldg B - B1_Office 152	NO (-7%)	NO
Bldg B - B1_Office 153	NO (-9%)	NO
Bldg B - B1_Office 154	NO (-54%)	NO
Bldg B - B1_Office 155	NO (-27%)	NO
Bldg B - B1_Office 156	NO (-20%)	NO
Bldg B - B1_Office 157	NO (-62%)	NO
Bldg B - B1_Office 158	NO (-2%)	NO
Bldg B - B1_Office 159	NO (-8%)	NO
Bldg B - B1_Office 160	NO (-6%)	NO
Bldg B - B1_Office 161	NO (-7%)	NO
Bldg B - B1_Office 162	NO (-53%)	NO
Bldg B - B1_Office 163	NO (-27%)	NO
Bldg B - B1_Office 164	NO (-20%)	NO
Bldg B - B1_Office 165	NO (-62%)	NO
Bldg B - B1_Office 166	NO (-2%)	NO
Bldg B - B1_Office 167	NO (-8%)	NO
Bldg B - B1_Office 168	NO (-6%)	NO
Bldg B - B1_Office 169	NO (-7%)	NO
Bldg B - B1_Office 170	NO (-53%)	NO
Bldg B - B1_Office 171	NO (-27%)	NO
Bldg B - B1_Office 172	NO (-20%)	NO
Bldg B - B1_Office 173	NO (-62%)	NO
Bldg B - B1_Office 174	NO (-2%)	NO
Bldg B - B1_Office 175	NO (-8%)	NO
Bldg B - B1_Office 176	NO (-5%)	NO
Bldg B - B1_Office 177	NO (-6%)	NO
Bldg B - B1_Office 178	NO (-52%)	NO
Bldg C - B1_Office 101	NO (-34%)	NO
Bldg C - B1_Office 102	NO (-29%)	NO
Bldg C - B1_Office 103	NO (-7%)	NO
Bldg C - B1_Office 104	NO (-31%)	NO
Bldg C - B1_Office 105	NO (-33%)	NO
Bldg C - B1_Office 106	NO (-11%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
Bldg C - B1_Office 107	NO (-60%)	NO
Bldg C - B1_Office 108	NO (-15%)	NO
Bldg C - B1_Office 109	NO (-14%)	NO
Bldg C - B1_Office 110	NO (-62%)	NO
Bldg C - B1_Office 111	NO (-12%)	NO
Bldg C - B1_Office 112	NO (-16%)	NO
Bldg C - B1_Office 113	NO (-63%)	NO
Bldg C - B1_Office 114	NO (-35%)	NO
Bldg C - B1_Office 115	NO (-82%)	NO
Bldg C - B1_Office 116	NO (-47%)	NO
Bldg C - B1_Office 117	NO (-45%)	NO
Bldg C - B1_Office 118	NO (-29%)	NO
Bldg C - B1_Office 119	NO (-70%)	NO
Bldg C - B1_Office 120	NO (-31%)	NO
Bldg C - B1_Office 121	NO (-27%)	NO
Bldg C - B1_Office 122	NO (-2%)	NO
Bldg C - B1_Office 123	NO (-30%)	NO
Bldg C - B1_Office 124	NO (-33%)	NO
Bldg C - B1_Office 125	NO (-8%)	NO
Bldg C - B1_Office 126	NO (-60%)	NO
Bldg C - B1_Office 127	NO (-11%)	NO
Bldg C - B1_Office 128	NO (-15%)	NO
Bldg C - B1_Office 129	NO (-61%)	NO
Bldg C - B1_Office 130	NO (-11%)	NO
Bldg C - B1_Office 131	NO (-16%)	NO
Bldg C - B1_Office 132	NO (-63%)	NO
Bldg C - B1_Office 133	NO (-34%)	NO
Bldg C - B1_Office 134	NO (-82%)	NO
Bldg C - B1_Office 135	NO (-44%)	NO
Bldg C - B1_Office 136	NO (-47%)	NO
Bldg C - B1_Office 137	NO (-23%)	NO
Bldg C - B1_Office 138	NO (-71%)	NO
Bldg C - B1_Office 139	NO (-27%)	NO
Bldg C - B1_Office 140	NO (-31%)	NO
Bldg C - B1_Office 141	NO (-9%)	NO
Bldg C - B1_Office 142	NO (-14%)	NO
Bldg C - B1_Office 143	NO (-60%)	NO
Bldg C - B1_Office 144	NO (-9%)	NO
Bldg C - B1_Office 145	NO (-16%)	NO
Bldg C - B1_Office 146	NO (-63%)	NO
Bldg C - B1_Office 147	NO (-32%)	NO
Bldg C - B1_Office 148	NO (-82%)	NO
Bldg C - B1_Office 149	NO (-44%)	NO
Bldg C - B1_Office 150	NO (-47%)	NO
Bldg C - B1_Office 151	NO (-15%)	NO
Bldg C - B1_Office 152	NO (-69%)	NO
Bldg C - B1_Office 153	NO (-26%)	NO
Bldg C - B1_Office 154	NO (-28%)	NO
Bldg C - B1_Office 155	NO (-9%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
Bldg C - B1_Office 156	NO (-13%)	NO
Bldg C - B1_Office 157	NO (-61%)	NO
Bldg C - B1_Office 158	YES (+28%)	NO
Bldg C - B1_Office 159	NO (-14%)	NO
Bldg C - B1_Office 160	NO (-16%)	NO
Bldg C - B1_Office 161	NO (-61%)	NO
Bldg C - B1_Office 162	NO (-27%)	NO
Bldg C - B1_Office 163	NO (-81%)	NO
Bldg C - B1_Office 164	NO (-41%)	NO
Bldg C - B1_Office 165	NO (-43%)	NO
Bldg C - B1_Office 166	NO (-8%)	NO
Bldg C - B1_Office 167	NO (-66%)	NO
Bldg C - B1_Office 168	NO (-24%)	NO
Bldg C - B1_Office 169	NO (-27%)	NO
Bldg C - B1_Office 170	NO (-7%)	NO
Bldg C - B1_Office 171	NO (-9%)	NO
Bldg C - B1_Office 172	NO (-55%)	NO
Bldg C - B1_Office 173	NO (-10%)	NO
Bldg C - B1_Office 174	NO (-6%)	NO
Bldg C - B1_Office 175	NO (-63%)	NO
Bldg C - B1_Office 176	NO (-22%)	NO
Bldg C - B1_Office 177	NO (-26%)	NO
Bldg C - B1_Office 178	NO (-7%)	NO
Bldg C - B1_Office 179	NO (-8%)	NO
Bldg C - B1_Office 180	NO (-8%)	NO
Bldg C - B1_Office 181	NO (-55%)	NO
Bldg C - B1_Office 182	NO (-6%)	NO
Bldg C - B1_Office 183	NO (-62%)	NO
Bldg C - B1_Office 184	NO (-21%)	NO
Bldg C - B1_Office 185	NO (-25%)	NO
Bldg C - B1_Office 186	NO (-7%)	NO
Bldg C - B1_Office 187	NO (-8%)	NO
Bldg C - B1_Office 188	NO (-7%)	NO
Bldg C - B1_Office 189	NO (-55%)	NO
Bldg C - B1_Office 190	NO (-21%)	NO
Bldg C - B1_Office 191	NO (-62%)	NO
Bldg C - B1_Office 192	NO (-5%)	NO
Bldg C - B1_Office 193	NO (-25%)	NO
Bldg C - B1_Office 194	NO (-7%)	NO
Bldg C - B1_Office 195	NO (-8%)	NO
Bldg C - B1_Office 196	NO (-5%)	NO
Bldg C - B1_Office 197	NO (-55%)	NO
Bldg C - B1_Office 198	NO (-4%)	NO
Bldg C - B1_Office 199	NO (-62%)	NO
Bldg C - B1_Office 200	NO (-21%)	NO
Bldg C - B1_Office 201	NO (-25%)	NO
Bldg D - B1_Office 101	NO (-12%)	NO
Bldg D - B1_Office 102	NO (-60%)	NO
Bldg D - B1_Office 103	YES (+2%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
Bldg D - B1_Office 104	YES (+2%)	NO
Bldg D - B1_Office 105	NO (-19%)	NO
Bldg D - B1_Office 106	NO (-31%)	NO
Bldg D - B1_Office 107	NO (-13%)	NO
Bldg D - B1_Office 108	NO (-61%)	NO
Bldg D - B1_Office 109	YES (+2%)	NO
Bldg D - B1_Office 110	YES (+2%)	NO
Bldg D - B1_Office 111	NO (-19%)	NO
Bldg D - B1_Office 112	NO (-31%)	NO
Bldg D - B1_Office 113	NO (-13%)	NO
Bldg D - B1_Office 114	NO (-61%)	NO
Bldg D - B1_Office 115	YES (+2%)	NO
Bldg D - B1_Office 116	YES (+2%)	NO
Bldg D - B1_Office 117	NO (-19%)	NO
Bldg D - B1_Office 118	NO (-31%)	NO
Bldg D - B1_Office 119	NO (-13%)	NO
Bldg D - B1_Office 120	NO (-61%)	NO
Bldg D - B1_Office 121	YES (+2%)	NO
Bldg D - B1_Office 122	YES (+2%)	NO
Bldg D - B1_Office 123	NO (-19%)	NO
Bldg D - B1_Office 124	NO (-31%)	NO
Bldg D - B1_Office 125	NO (-13%)	NO
Bldg D - B1_Office 126	NO (-61%)	NO
Bldg D - B1_Office 127	YES (+2%)	NO
Bldg D - B1_Office 128	YES (+2%)	NO
Bldg D - B1_Office 129	NO (-19%)	NO
Bldg D - B1_Office 130	NO (-31%)	NO
Bldg D - B1_Office 131	NO (-13%)	NO
Bldg D - B1_Office 132	NO (-61%)	NO
Bldg D - B1_Office 133	YES (+2%)	NO
Bldg D - B1_Office 134	YES (+2%)	NO
Bldg D - B1_Office 135	NO (-19%)	NO
Bldg D - B1_Office 136	NO (-31%)	NO
Bldg D - B1_Office 137	NO (-13%)	NO
Bldg D - B1_Office 138	NO (-61%)	NO
Bldg D - B1_Office 139	YES (+2%)	NO
Bldg D - B1_Office 140	YES (+2%)	NO
Bldg D - B1_Office 141	NO (-19%)	NO
Bldg D - B1_Office 142	NO (-31%)	NO
Bldg D - B1_Office 143	NO (-13%)	NO
Bldg D - B1_Office 144	NO (-61%)	NO
Bldg D - B1_Office 145	YES (+2%)	NO
Bldg D - B1_Office 146	YES (+2%)	NO
Bldg D - B1_Office 147	NO (-19%)	NO
Bldg D - B1_Office 148	NO (-31%)	NO
Bldg D - B1_Office 149	NO (-13%)	NO
Bldg D - B1_Office 150	NO (-61%)	NO
Bldg D - B1_Office 151	YES (+2%)	NO
Bldg D - B1_Office 152	YES (+2%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
Bldg D - B1_Office 153	NO (-19%)	NO
Bldg D - B1_Office 154	NO (-31%)	NO
Bldg D - B1_Office 155	NO (-13%)	NO
Bldg D - B1_Office 156	NO (-61%)	NO
Bldg D - B1_Office 157	YES (+2%)	NO
Bldg D - B1_Office 158	YES (+2%)	NO
Bldg D - B1_Office 159	NO (-19%)	NO
Bldg D - B1_Office 160	NO (-30%)	NO
Bldg D - B1_Office 161	NO (-12%)	NO
Bldg D - B1_Office 162	NO (-61%)	NO

Criterion 4: The performance of the building, as built, should be consistent with the calculated BER

Separate submission

Criterion 5: The necessary provisions for enabling energy-efficient operation of the building should be in place

Separate submission

EPBD (Recast): Consideration of 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
Area [m^2]	86542	86542
External area [m^2]	56689	56689
Weather	SWI	SWI
Infiltration [m^3/hm^2@ 50Pa]	3	3
Average conductance [W/K]	34028	28935
Average U-value [W/m^2K]	0.6	0.51
Alpha value* [%]	39.9	39.9

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

Building Use

% Area	Building Type
	A1/A2 Retail/Financial and Professional services
	A3/A4/A5 Restaurants and Cafes/Drinking Est./Takeaways
100	**B1 Offices and Workshop businesses**
	B2 to B7 General Industrial and Special Industrial Groups
	B8 Storage or Distribution
	C1 Hotels
	C2 Residential Institutions: Hospitals and Care Homes
	C2 Residential Institutions: Residential schools
	C2 Residential Institutions: Universities and colleges
	C2A Secure Residential Institutions
	Residential spaces
	D1 Non-residential Institutions: Community/Day Centre
	D1 Non-residential Institutions: Libraries, Museums, and Galleries
	D1 Non-residential Institutions: Education
	D1 Non-residential Institutions: Primary Health Care Building
	D1 Non-residential Institutions: Crown and County Courts
	D2 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/m^2]

	Actual	Notional
Heating	2.72	2.71
Cooling	8.26	9.31
Auxiliary	14.71	10.25
Lighting	12.39	19.58
Hot water	3.27	2.73
Equipment*	39.72	39.72
TOTAL**	**41.04**	**44.57**

* 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/m^2]

	Actual	Notional
Photovoltaic systems	0	0
Wind turbines	0	0
CHP generators	0.3	0
Solar thermal systems	0	0

Energy & CO_2 Emissions Summary

	Actual	Notional
Heating + cooling demand [MJ/m^2]	115.78	135.4
Primary energy* [kWh/m^2]	112.2	123.77
Total emissions [kg/m^2]	19	21

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

HVAC Systems Performance

System Type		Heat dem MJ/m2	Cool dem MJ/m2	Heat con kWh/m2	Cool con kWh/m2	Aux con kWh/m2	Heat SSEEF	Cool SSEER	Heat gen SEFF	Cool gen SEER
[ST] Fan coil systems, [HS] LTHW boiler, [HFT] Natural Gas, [CFT] Electricity										
	Actual	7.8	124.7	2.6	10.1	17.3	0.85	3.42	0.89	3.6
	Notional	6	147.9	2	11.4	11.9	0.82	3.6	----	----
[ST] Central heating using water: radiators, [HS] LTHW boiler, [HFT] Natural Gas, [CFT] Electricity										
	Actual	12.2	0	4	0	1.1	0.85	0	0.89	0
	Notional	18.8	0	6.4	0	1.1	0.82	0	----	----
[ST] Central heating using water: radiators, [HS] LTHW boiler, [HFT] Natural Gas, [CFT] Electricity										
	Actual	18.6	0	6.1	0	14.4	0.85	0	0.89	0
	Notional	43	0	14.6	0	11.7	0.82	0	----	----
[ST] Central heating using water: radiators, [HS] LTHW boiler, [HFT] Natural Gas, [CFT] Electricity										
	Actual	19.8	0	6.5	0	7.7	0.85	0	0.89	0
	Notional	18.1	0	6.2	0	6.4	0.82	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

Key Features

The Building Control Body is advised to give particular attention to items whose specifications are better than typically expected.

Building fabric

Element	$U_{i\text{-}Typ}$	$U_{i\text{-}Min}$	Surface where the minimum value occurs*
Wall	0.23	0.14	External Wall
Floor	0.2	0.14	Exposed Floor
Roof	0.15	0.15	Roof
Windows, roof windows, and rooflights	1.5	1.21	External Wall (70% Glazed)
Personnel doors	1.5	-	No personal doors in project
Vehicle access & similar large doors	1.5	-	No vehicle doors in project
High usage entrance doors	1.5	-	No high usage entrance doors in project

$U_{i\text{-}Typ}$ = Typical individual element U-values [W/(m²K)] $U_{i\text{-}Min}$ = Minimum individual element U-values [W/(m²K)]

* There might be more than one surface where the minimum U-value occurs.

Air Permeability	Typical value	This building
m³/(h.m²) at 50 Pa	5	3

Appendix 5
Green Scheme BRUKL

BRUKL Output Document

HM Government

Compliance with England Building Regulations Part L 2013

Project name

Reading Station Park - Green Scheme

As designed

Date: Mon Feb 10 21:46:16 2020

Administrative information

Building Details

Address: Reading Station Park, Reading, RG1 8BA

Certification tool

Calculation engine: TAS

Calculation engine version: "v9.5.0"

Interface to calculation engine: TAS

Interface to calculation engine version: v9.5.0

BRUKL compliance check version: v5.6.a.1

Owner Details

Name: Aviva Investors

Telephone number: 02078096367

Address: Saint Helen's, 1 Undershaft, London, EC3P 3DQ

Certifier details

Name: Scott Hedges

Telephone number: 01932753739

Address: 51 Staines Road West, Sunbury-on-Thames, TW16 7AH

Criterion 1: The calculated CO_2 emission rate for the building must not exceed the target

CO_2 emission rate from the notional building, $kgCO_2/m^2.annum$	20.7
Target CO_2 emission rate (TER), $kgCO_2/m^2.annum$	20.7
Building CO_2 emission rate (BER), $kgCO_2/m^2.annum$	16.6
Are emissions from the building less than or equal to the target?	BER =< TER
Are as built details the same as used in the BER calculations?	Separate submission

Criterion 2: The performance of the building fabric and fixed building services should achieve reasonable overall standards of energy efficiency

Values which do not achieve the standards in the Non-Domestic Building Services Compliance Guide and Part L are displayed in red.

Building fabric

Element	$U_{a\text{-}Limit}$	$U_{a\text{-}Calc}$	$U_{i\text{-}Calc}$	Surface where the maximum value occurs*
Wall**	0.35	0.14	0.14	External Wall
Floor	0.25	0.14	0.14	Ground Floor
Roof	0.25	0.15	0.15	Roof
Windows***, roof windows, and rooflights	2.2	1.21	1.21	External Wall (70% Glazed)
Personnel doors	2.2	-	-	No personal doors in project
Vehicle access & similar large doors	1.5	-	-	No vehicle doors in project
High usage entrance doors	3.5	-	-	No high usage entrance doors in project

$U_{a\text{-}Limit}$ = Limiting area-weighted average U-values [$W/(m^2K)$]
$U_{a\text{-}Calc}$ = Calculated area-weighted average U-values [$W/(m^2K)$]
$U_{i\text{-}Calc}$ = Calculated maximum individual element U-values [$W/(m^2K)$]

* There might be more than one surface where the maximum U-value occurs.
** 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.
N.B.: Neither roof ventilators (inc. smoke vents) nor swimming pool basins are modelled or checked against the limiting standards by the tool.

Air Permeability	Worst acceptable standard	This building
$m^3/(h.m^2)$ at 50 Pa	10	3

Building services

The standard values listed below are minimum values for efficiencies and maximum values for SFPs. Refer to the Non-Domestic Building Services Compliance Guide for details.

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

1- Office (700 Zones)

	Heating efficiency	Cooling efficiency	Radiant efficiency	SFP [W/(l/s)]	HR efficiency
This system	6	5.6	-	1.9	0.7
Standard value	2.5*	2.6	N/A	1.6^	0.65
Automatic monitoring & targeting with alarms for out-of-range values for this HVAC system					YES

* Standard shown is for all types >12 kW output, except absorption and gas engine heat pumps. For types <=12 kW output, refer to EN 14825 for limiting standards.

^ Limiting SFP may be extended by the amounts specified in the Non-Domestic Building Services Compliance Guide if the system includes additional components as listed in the Guide.

2- Circulation

	Heating efficiency	Cooling efficiency	Radiant efficiency	SFP [W/(l/s)]	HR efficiency
This system	6	-	-	-	-
Standard value	2.5*	N/A	N/A	N/A	N/A
Automatic monitoring & targeting with alarms for out-of-range values for this HVAC system					YES

* Standard shown is for all types >12 kW output, except absorption and gas engine heat pumps. For types <=12 kW output, refer to EN 14825 for limiting standards.

3- Toilet (164 Zones)

	Heating efficiency	Cooling efficiency	Radiant efficiency	SFP [W/(l/s)]	HR efficiency
This system	6	-	-	-	-
Standard value	2.5*	N/A	N/A	N/A	N/A
Automatic monitoring & targeting with alarms for out-of-range values for this HVAC system					YES

* Standard shown is for all types >12 kW output, except absorption and gas engine heat pumps. For types <=12 kW output, refer to EN 14825 for limiting standards.

4- Refuse (4 Zones)

	Heating efficiency	Cooling efficiency	Radiant efficiency	SFP [W/(l/s)]	HR efficiency
This system	6	-	-	-	-
Standard value	2.5*	N/A	N/A	N/A	N/A
Automatic monitoring & targeting with alarms for out-of-range values for this HVAC system					YES

* Standard shown is for all types >12 kW output, except absorption and gas engine heat pumps. For types <=12 kW output, refer to EN 14825 for limiting standards.

1- New HWS Circuit

	Water heating efficiency	Storage loss factor [kWh/litre per day]
This building	6	0
Standard value	0.9*	N/A

* Standard shown is for gas boilers >30 kW output. For boilers <=30 kW output, limiting efficiency is 0.73.

"No zones in project where local mechanical ventilation, exhaust, or terminal unit is applicable"

General lighting and display lighting	**Luminous efficacy [lm/W]**			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg A - B1_Office 1	100	-	-	543

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg A - B1_Office 2	100	-	-	967
Bldg A - B1_Office 3	100	-	-	205
Bldg A - B1_Office 4	100	-	-	611
Bldg A - B1_Office 5	100	-	-	197
Bldg A - B1_Office 6	100	-	-	725
Bldg A - B1_Office 7	100	-	-	616
Bldg A - B1_Office 8	100	-	-	471
Bldg A - B1_Office 9	100	-	-	3577
Bldg A - B1_Office 10	100	-	-	159
Bldg A - B1_Office 11	100	-	-	198
Bldg A - B1_Office 12	100	-	-	445
Bldg A - B1_Office 13	100	-	-	1072
Bldg A - B1_Office 14	100	-	-	967
Bldg A - B1_Office 15	100	-	-	205
Bldg A - B1_Office 16	100	-	-	155
Bldg A - B1_Office 17	100	-	-	171
Bldg A - B1_Office 18	100	-	-	197
Bldg A - B1_Office 19	100	-	-	725
Bldg A - B1_Office 20	100	-	-	616
Bldg A - B1_Office 21	100	-	-	191
Bldg A - B1_Office 22	100	-	-	4709
Bldg A - B1_Office 23	100	-	-	159
Bldg A - B1_Office 24	100	-	-	198
Bldg A - B1_Office 25	100	-	-	445
Bldg A - B1_Office 26	100	-	-	1072
Bldg A - B1_Office 27	100	-	-	967
Bldg A - B1_Office 28	100	-	-	205
Bldg A - B1_Office 29	100	-	-	155
Bldg A - B1_Office 30	100	-	-	171
Bldg A - B1_Office 31	100	-	-	197
Bldg A - B1_Office 32	100	-	-	725
Bldg A - B1_Office 33	100	-	-	616
Bldg A - B1_Office 34	100	-	-	191
Bldg A - B1_Office 35	100	-	-	4709
Bldg A - B1_Office 36	100	-	-	159
Bldg A - B1_Office 37	100	-	-	198
Bldg A - B1_Office 38	100	-	-	445
Bldg A - B1_Office 39	100	-	-	1072
Bldg A - B1_Office 40	100	-	-	507
Bldg A - B1_Office 41	100	-	-	460
Bldg A - B1_Office 42	100	-	-	205
Bldg A - B1_Office 43	100	-	-	155
Bldg A - B1_Office 44	100	-	-	171

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg A - B1_Office 45	100	-	-	197
Bldg A - B1_Office 46	100	-	-	442
Bldg A - B1_Office 47	100	-	-	284
Bldg A - B1_Office 48	100	-	-	616
Bldg A - B1_Office 49	100	-	-	191
Bldg A - B1_Office 50	100	-	-	4709
Bldg A - B1_Office 51	100	-	-	159
Bldg A - B1_Office 52	100	-	-	198
Bldg A - B1_Office 53	100	-	-	268
Bldg A - B1_Office 54	100	-	-	199
Bldg A - B1_Office 55	100	-	-	588
Bldg A - B1_Office 56	100	-	-	197
Bldg A - B1_Office 57	100	-	-	265
Bldg A - B1_Office 58	100	-	-	197
Bldg A - B1_Office 59	100	-	-	191
Bldg A - B1_Office 60	100	-	-	257
Bldg A - B1_Office 61	100	-	-	214
Bldg A - B1_Office 62	100	-	-	171
Bldg A - B1_Office 63	100	-	-	197
Bldg A - B1_Office 64	100	-	-	253
Bldg A - B1_Office 65	100	-	-	188
Bldg A - B1_Office 66	100	-	-	540
Bldg A - B1_Office 67	100	-	-	196
Bldg A - B1_Office 68	100	-	-	264
Bldg A - B1_Office 69	100	-	-	205
Bldg A - B1_Office 70	100	-	-	155
Bldg A - B1_Office 71	100	-	-	220
Bldg A - B1_Office 72	100	-	-	199
Bldg A - B1_Office 73	100	-	-	159
Bldg A - B1_Office 74	100	-	-	198
Bldg A - B1_Office 75	100	-	-	268
Bldg A - B1_Office 76	100	-	-	199
Bldg A - B1_Office 77	100	-	-	588
Bldg A - B1_Office 78	100	-	-	197
Bldg A - B1_Office 79	100	-	-	265
Bldg A - B1_Office 80	100	-	-	197
Bldg A - B1_Office 81	100	-	-	191
Bldg A - B1_Office 82	100	-	-	214
Bldg A - B1_Office 83	100	-	-	257
Bldg A - B1_Office 84	100	-	-	171
Bldg A - B1_Office 85	100	-	-	197
Bldg A - B1_Office 86	100	-	-	253
Bldg A - B1_Office 87	100	-	-	188

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg A - B1_Office 88	100	-	-	540
Bldg A - B1_Office 89	100	-	-	196
Bldg A - B1_Office 90	100	-	-	264
Bldg A - B1_Office 91	100	-	-	205
Bldg A - B1_Office 92	100	-	-	155
Bldg A - B1_Office 93	100	-	-	220
Bldg A - B1_Office 94	100	-	-	199
Bldg A - B1_Office 95	100	-	-	159
Bldg A - B1_Office 96	100	-	-	198
Bldg A - B1_Office 97	100	-	-	268
Bldg A - B1_Office 98	100	-	-	199
Bldg A - B1_Office 99	100	-	-	588
Bldg A - B1_Office 100	100	-	-	197
Bldg B - B1_Office 1	100	-	-	368
Bldg B - B1_Office 2	100	-	-	632
Bldg B - B1_Office 3	100	-	-	786
Bldg B - B1_Office 4	100	-	-	627
Bldg B - B1_Office 5	100	-	-	599
Bldg B - B1_Office 6	100	-	-	1728
Bldg B - B1_Office 7	100	-	-	244
Bldg B - B1_Office 8	100	-	-	391
Bldg B - B1_Office 9	100	-	-	550
Bldg B - B1_Office 10	100	-	-	526
Bldg B - B1_Office 11	100	-	-	547
Bldg B - B1_Office 12	100	-	-	393
Bldg B - B1_Office 13	100	-	-	1657
Bldg B - B1_Office 14	100	-	-	187
Bldg B - B1_Office 15	100	-	-	632
Bldg B - B1_Office 16	100	-	-	244
Bldg B - B1_Office 17	100	-	-	786
Bldg B - B1_Office 18	100	-	-	627
Bldg B - B1_Office 19	100	-	-	1277
Bldg B - B1_Office 20	100	-	-	290
Bldg B - B1_Office 21	100	-	-	547
Bldg B - B1_Office 22	100	-	-	526
Bldg B - B1_Office 23	100	-	-	550
Bldg B - B1_Office 24	100	-	-	1155
Bldg B - B1_Office 25	100	-	-	2159
Bldg B - B1_Office 26	100	-	-	781
Bldg B - B1_Office 27	100	-	-	483
Bldg B - B1_Office 28	100	-	-	547
Bldg B - B1_Office 29	100	-	-	540
Bldg B - B1_Office 30	100	-	-	2215

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg B - B1_Office 31	100	-	-	187
Bldg B - B1_Office 32	100	-	-	632
Bldg B - B1_Office 33	100	-	-	244
Bldg B - B1_Office 34	100	-	-	786
Bldg B - B1_Office 35	100	-	-	627
Bldg B - B1_Office 36	100	-	-	1277
Bldg B - B1_Office 37	100	-	-	290
Bldg B - B1_Office 38	100	-	-	547
Bldg B - B1_Office 39	100	-	-	526
Bldg B - B1_Office 40	100	-	-	550
Bldg B - B1_Office 41	100	-	-	1155
Bldg B - B1_Office 42	100	-	-	2159
Bldg B - B1_Office 43	100	-	-	781
Bldg B - B1_Office 44	100	-	-	540
Bldg B - B1_Office 45	100	-	-	547
Bldg B - B1_Office 46	100	-	-	483
Bldg B - B1_Office 47	100	-	-	2215
Bldg B - B1_Office 48	100	-	-	187
Bldg B - B1_Office 49	100	-	-	632
Bldg B - B1_Office 50	100	-	-	244
Bldg B - B1_Office 51	100	-	-	786
Bldg B - B1_Office 52	100	-	-	627
Bldg B - B1_Office 53	100	-	-	1277
Bldg B - B1_Office 54	100	-	-	290
Bldg B - B1_Office 55	100	-	-	547
Bldg B - B1_Office 56	100	-	-	526
Bldg B - B1_Office 57	100	-	-	550
Bldg B - B1_Office 58	100	-	-	1155
Bldg B - B1_Office 59	100	-	-	1289
Bldg B - B1_Office 60	100	-	-	781
Bldg B - B1_Office 61	100	-	-	327
Bldg B - B1_Office 62	100	-	-	483
Bldg B - B1_Office 63	100	-	-	542
Bldg B - B1_Office 64	100	-	-	547
Bldg B - B1_Office 65	100	-	-	540
Bldg B - B1_Office 66	100	-	-	2215
Bldg B - B1_Office 67	100	-	-	289
Bldg B - B1_Office 68	100	-	-	550
Bldg B - B1_Office 69	100	-	-	1155
Bldg B - B1_Office 70	100	-	-	998
Bldg B - B1_Office 71	100	-	-	777
Bldg B - B1_Office 72	100	-	-	187
Bldg B - B1_Office 73	100	-	-	632

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg B - B1_Office 74	100	-	-	244
Bldg B - B1_Office 75	100	-	-	786
Bldg B - B1_Office 76	100	-	-	627
Bldg B - B1_Office 77	100	-	-	1277
Bldg B - B1_Office 78	100	-	-	2140
Bldg B - B1_Office 79	100	-	-	540
Bldg B - B1_Office 80	100	-	-	621
Bldg B - B1_Office 81	100	-	-	290
Bldg B - B1_Office 82	100	-	-	547
Bldg B - B1_Office 83	100	-	-	289
Bldg B - B1_Office 84	100	-	-	254
Bldg B - B1_Office 85	100	-	-	289
Bldg B - B1_Office 86	100	-	-	550
Bldg B - B1_Office 87	100	-	-	1155
Bldg B - B1_Office 88	100	-	-	998
Bldg B - B1_Office 89	100	-	-	777
Bldg B - B1_Office 90	100	-	-	187
Bldg B - B1_Office 91	100	-	-	632
Bldg B - B1_Office 92	100	-	-	244
Bldg B - B1_Office 93	100	-	-	786
Bldg B - B1_Office 94	100	-	-	627
Bldg B - B1_Office 95	100	-	-	1277
Bldg B - B1_Office 96	100	-	-	2140
Bldg B - B1_Office 97	100	-	-	540
Bldg B - B1_Office 98	100	-	-	621
Bldg B - B1_Office 99	100	-	-	290
Bldg B - B1_Office 100	100	-	-	547
Bldg C - B1_Office 1	100	-	-	192
Bldg C - B1_Office 2	100	-	-	603
Bldg C - B1_Office 3	100	-	-	206
Bldg C - B1_Office 4	100	-	-	837
Bldg C - B1_Office 5	100	-	-	603
Bldg C - B1_Office 6	100	-	-	158
Bldg C - B1_Office 7	100	-	-	2315
Bldg C - B1_Office 9	100	-	-	570
Bldg C - B1_Office 10	100	-	-	1488
Bldg C - B1_Office 11	100	-	-	542
Bldg C - B1_Office 12	100	-	-	569
Bldg C - B1_Office 13	100	-	-	379
Bldg C - B1_Office 14	100	-	-	192
Bldg C - B1_Office 15	100	-	-	603
Bldg C - B1_Office 16	100	-	-	206
Bldg C - B1_Office 17	100	-	-	837

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg C - B1_Office 18	100	-	-	603
Bldg C - B1_Office 19	100	-	-	158
Bldg C - B1_Office 20	100	-	-	1678
Bldg C - B1_Office 21	100	-	-	1517
Bldg C - B1_Office 22	100	-	-	651
Bldg C - B1_Office 23	100	-	-	549
Bldg C - B1_Office 24	100	-	-	770
Bldg C - B1_Office 25	100	-	-	2070
Bldg C - B1_Office 26	100	-	-	1113
Bldg C - B1_Office 27	100	-	-	569
Bldg C - B1_Office 28	100	-	-	542
Bldg C - B1_Office 29	100	-	-	462
Bldg C - B1_Office 30	100	-	-	570
Bldg C - B1_Office 31	100	-	-	372
Bldg C - B1_Office 32	100	-	-	192
Bldg C - B1_Office 33	100	-	-	603
Bldg C - B1_Office 34	100	-	-	206
Bldg C - B1_Office 35	100	-	-	837
Bldg C - B1_Office 36	100	-	-	603
Bldg C - B1_Office 37	100	-	-	158
Bldg C - B1_Office 38	100	-	-	1678
Bldg C - B1_Office 39	100	-	-	1517
Bldg C - B1_Office 40	100	-	-	549
Bldg C - B1_Office 41	100	-	-	652
Bldg C - B1_Office 42	100	-	-	770
Bldg C - B1_Office 43	100	-	-	2070
Bldg C - B1_Office 44	100	-	-	1113
Bldg C - B1_Office 45	100	-	-	569
Bldg C - B1_Office 46	100	-	-	542
Bldg C - B1_Office 47	100	-	-	461
Bldg C - B1_Office 48	100	-	-	570
Bldg C - B1_Office 49	100	-	-	372
Bldg C - B1_Office 50	100	-	-	192
Bldg C - B1_Office 51	100	-	-	603
Bldg C - B1_Office 52	100	-	-	206
Bldg C - B1_Office 53	100	-	-	837
Bldg C - B1_Office 54	100	-	-	603
Bldg C - B1_Office 55	100	-	-	158
Bldg C - B1_Office 56	100	-	-	1678
Bldg C - B1_Office 57	100	-	-	1517
Bldg C - B1_Office 58	100	-	-	549
Bldg C - B1_Office 59	100	-	-	653
Bldg C - B1_Office 60	100	-	-	770

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg C - B1_Office 61	100	-	-	1312
Bldg C - B1_Office 62	100	-	-	1113
Bldg C - B1_Office 63	100	-	-	569
Bldg C - B1_Office 64	100	-	-	542
Bldg C - B1_Office 65	100	-	-	312
Bldg C - B1_Office 66	100	-	-	462
Bldg C - B1_Office 67	100	-	-	570
Bldg C - B1_Office 68	100	-	-	446
Bldg C - B1_Office 69	100	-	-	372
Bldg C - B1_Office 70	100	-	-	192
Bldg C - B1_Office 71	100	-	-	603
Bldg C - B1_Office 72	100	-	-	206
Bldg C - B1_Office 73	100	-	-	837
Bldg C - B1_Office 74	100	-	-	603
Bldg C - B1_Office 75	100	-	-	158
Bldg C - B1_Office 76	100	-	-	1678
Bldg C - B1_Office 77	100	-	-	1526
Bldg C - B1_Office 78	100	-	-	540
Bldg C - B1_Office 79	100	-	-	666
Bldg C - B1_Office 80	100	-	-	766
Bldg C - B1_Office 81	100	-	-	1031
Bldg C - B1_Office 82	100	-	-	1113
Bldg C - B1_Office 83	100	-	-	569
Bldg C - B1_Office 84	100	-	-	280
Bldg C - B1_Office 85	100	-	-	570
Bldg C - B1_Office 86	100	-	-	289
Bldg C - B1_Office 87	100	-	-	157
Bldg C - B1_Office 88	100	-	-	372
Bldg C - B1_Office 89	100	-	-	192
Bldg C - B1_Office 90	100	-	-	603
Bldg C - B1_Office 91	100	-	-	206
Bldg C - B1_Office 92	100	-	-	837
Bldg C - B1_Office 93	100	-	-	603
Bldg C - B1_Office 94	100	-	-	158
Bldg C - B1_Office 95	100	-	-	1678
Bldg C - B1_Office 96	100	-	-	1526
Bldg C - B1_Office 97	100	-	-	666
Bldg C - B1_Office 98	100	-	-	540
Bldg C - B1_Office 99	100	-	-	766
Bldg C - B1_Office 100	100	-	-	1031
Bldg D - B1_Office 1	100	-	-	321
Bldg D - B1_Office 2	100	-	-	345
Bldg D - B1_Office 3	100	-	-	989

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg D - B1_Office 4	100	-	-	267
Bldg D - B1_Office 5	100	-	-	997
Bldg D - B1_Office 6	100	-	-	375
Bldg D - B1_Office 7	100	-	-	302
Bldg D - B1_Office 8	100	-	-	2070
Bldg D - B1_Office 9	100	-	-	321
Bldg D - B1_Office 10	100	-	-	345
Bldg D - B1_Office 11	100	-	-	1063
Bldg D - B1_Office 12	100	-	-	1070
Bldg D - B1_Office 13	100	-	-	375
Bldg D - B1_Office 14	100	-	-	302
Bldg D - B1_Office 15	100	-	-	2638
Bldg D - B1_Office 16	100	-	-	942
Bldg D - B1_Office 17	100	-	-	321
Bldg D - B1_Office 18	100	-	-	345
Bldg D - B1_Office 19	100	-	-	1063
Bldg D - B1_Office 20	100	-	-	1070
Bldg D - B1_Office 21	100	-	-	375
Bldg D - B1_Office 22	100	-	-	302
Bldg D - B1_Office 23	100	-	-	2638
Bldg D - B1_Office 24	100	-	-	942
Bldg D - B1_Office 25	100	-	-	321
Bldg D - B1_Office 26	100	-	-	345
Bldg D - B1_Office 27	100	-	-	1063
Bldg D - B1_Office 28	100	-	-	1070
Bldg D - B1_Office 29	100	-	-	375
Bldg D - B1_Office 30	100	-	-	302
Bldg D - B1_Office 31	100	-	-	2638
Bldg D - B1_Office 32	100	-	-	942
Bldg D - B1_Office 33	100	-	-	321
Bldg D - B1_Office 34	100	-	-	345
Bldg D - B1_Office 35	100	-	-	1063
Bldg D - B1_Office 36	100	-	-	1070
Bldg D - B1_Office 37	100	-	-	375
Bldg D - B1_Office 38	100	-	-	302
Bldg D - B1_Office 39	100	-	-	2638
Bldg D - B1_Office 40	100	-	-	942
Bldg D - B1_Office 41	100	-	-	321
Bldg D - B1_Office 42	100	-	-	345
Bldg D - B1_Office 43	100	-	-	1063
Bldg D - B1_Office 44	100	-	-	1070
Bldg D - B1_Office 45	100	-	-	375
Bldg D - B1_Office 46	100	-	-	302

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg D - B1_Office 47	100	-	-	2638
Bldg D - B1_Office 48	100	-	-	942
Bldg D - B1_Office 49	100	-	-	321
Bldg D - B1_Office 50	100	-	-	345
Bldg D - B1_Office 51	100	-	-	1063
Bldg D - B1_Office 52	100	-	-	1070
Bldg D - B1_Office 53	100	-	-	375
Bldg D - B1_Office 54	100	-	-	302
Bldg D - B1_Office 55	100	-	-	2638
Bldg D - B1_Office 56	100	-	-	942
Bldg D - B1_Office 57	100	-	-	302
Bldg D - B1_Office 58	100	-	-	375
Bldg D - B1_Office 59	100	-	-	1070
Bldg D - B1_Office 60	100	-	-	1063
Bldg D - B1_Office 61	100	-	-	345
Bldg D - B1_Office 62	100	-	-	321
Bldg D - B1_Office 63	100	-	-	2638
Bldg D - B1_Office 64	100	-	-	942
Bldg D - B1_Office 65	100	-	-	321
Bldg D - B1_Office 66	100	-	-	345
Bldg D - B1_Office 67	100	-	-	1063
Bldg D - B1_Office 68	100	-	-	1070
Bldg D - B1_Office 69	100	-	-	375
Bldg D - B1_Office 70	100	-	-	302
Bldg D - B1_Office 71	100	-	-	2638
Bldg D - B1_Office 72	100	-	-	942
Bldg D - B1_Office 73	100	-	-	321
Bldg D - B1_Office 74	100	-	-	345
Bldg D - B1_Office 75	100	-	-	1063
Bldg D - B1_Office 76	100	-	-	1070
Bldg D - B1_Office 77	100	-	-	375
Bldg D - B1_Office 78	100	-	-	302
Bldg D - B1_Office 79	100	-	-	2638
Bldg D - B1_Office 80	100	-	-	942
Bldg D - B1_Office 81	100	-	-	321
Bldg D - B1_Office 82	100	-	-	345
Bldg D - B1_Office 83	100	-	-	1063
Bldg D - B1_Office 84	100	-	-	1070
Bldg D - B1_Office 85	100	-	-	375
Bldg D - B1_Office 86	100	-	-	302
Bldg D - B1_Office 87	100	-	-	2638
Bldg D - B1_Office 88	100	-	-	942
Bldg D - B1_Office 89	100	-	-	321

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg D - B1_Office 90	100	-	-	345
Bldg D - B1_Office 91	100	-	-	1063
Bldg D - B1_Office 92	100	-	-	1070
Bldg D - B1_Office 93	100	-	-	375
Bldg D - B1_Office 94	100	-	-	302
Bldg D - B1_Office 95	100	-	-	2638
Bldg D - B1_Office 96	100	-	-	940
Bldg D - B1_Office 97	100	-	-	321
Bldg D - B1_Office 98	100	-	-	345
Bldg D - B1_Office 99	100	-	-	886
Bldg D - B1_Office 100	100	-	-	656
Bldg A - B1_Office 101	100	-	-	265
Bldg A - B1_Office 102	100	-	-	197
Bldg A - B1_Office 103	100	-	-	191
Bldg A - B1_Office 104	100	-	-	214
Bldg A - B1_Office 105	100	-	-	257
Bldg A - B1_Office 106	100	-	-	171
Bldg A - B1_Office 107	100	-	-	197
Bldg A - B1_Office 108	100	-	-	253
Bldg A - B1_Office 109	100	-	-	188
Bldg A - B1_Office 110	100	-	-	540
Bldg A - B1_Office 111	100	-	-	196
Bldg A - B1_Office 112	100	-	-	264
Bldg A - B1_Office 113	100	-	-	205
Bldg A - B1_Office 114	100	-	-	155
Bldg A - B1_Office 115	100	-	-	220
Bldg A - B1_Office 116	100	-	-	199
Bldg A - B1_Office 117	100	-	-	159
Bldg A - B1_Office 118	100	-	-	198
Bldg A - B1_Office 119	100	-	-	268
Bldg A - B1_Office 120	100	-	-	199
Bldg A - B1_Office 121	100	-	-	588
Bldg A - B1_Office 122	100	-	-	197
Bldg A - B1_Office 123	100	-	-	265
Bldg A - B1_Office 124	100	-	-	197
Bldg A - B1_Office 125	100	-	-	191
Bldg A - B1_Office 126	100	-	-	214
Bldg A - B1_Office 127	100	-	-	257
Bldg A - B1_Office 128	100	-	-	171
Bldg A - B1_Office 129	100	-	-	197
Bldg A - B1_Office 130	100	-	-	253
Bldg A - B1_Office 131	100	-	-	188
Bldg A - B1_Office 132	100	-	-	540

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg A - B1_Office 133	100	-	-	196
Bldg A - B1_Office 134	100	-	-	264
Bldg A - B1_Office 135	100	-	-	205
Bldg A - B1_Office 136	100	-	-	155
Bldg A - B1_Office 137	100	-	-	220
Bldg A - B1_Office 138	100	-	-	199
Bldg A - B1_Office 139	100	-	-	171
Bldg A - B1_Office 140	100	-	-	197
Bldg A - B1_Office 141	100	-	-	253
Bldg A - B1_Office 142	100	-	-	188
Bldg A - B1_Office 143	100	-	-	540
Bldg A - B1_Office 144	100	-	-	196
Bldg A - B1_Office 145	100	-	-	264
Bldg A - B1_Office 146	100	-	-	205
Bldg A - B1_Office 147	100	-	-	155
Bldg A - B1_Office 148	100	-	-	220
Bldg A - B1_Office 149	100	-	-	199
Bldg A - B1_Office 150	100	-	-	171
Bldg A - B1_Office 151	100	-	-	197
Bldg A - B1_Office 152	100	-	-	253
Bldg A - B1_Office 153	100	-	-	188
Bldg A - B1_Office 154	100	-	-	540
Bldg A - B1_Office 155	100	-	-	196
Bldg A - B1_Office 156	100	-	-	264
Bldg A - B1_Office 157	100	-	-	205
Bldg A - B1_Office 158	100	-	-	155
Bldg A - B1_Office 159	100	-	-	220
Bldg A - B1_Office 160	100	-	-	199
Bldg B - B1_Office 101	100	-	-	289
Bldg B - B1_Office 102	100	-	-	254
Bldg B - B1_Office 103	100	-	-	289
Bldg B - B1_Office 104	100	-	-	550
Bldg B - B1_Office 105	100	-	-	1155
Bldg B - B1_Office 106	100	-	-	998
Bldg B - B1_Office 107	100	-	-	777
Bldg B - B1_Office 108	100	-	-	187
Bldg B - B1_Office 109	100	-	-	632
Bldg B - B1_Office 110	100	-	-	244
Bldg B - B1_Office 111	100	-	-	786
Bldg B - B1_Office 112	100	-	-	627
Bldg B - B1_Office 113	100	-	-	1277
Bldg B - B1_Office 114	100	-	-	2140
Bldg B - B1_Office 115	100	-	-	540

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg B - B1_Office 116	100	-	-	621
Bldg B - B1_Office 117	100	-	-	290
Bldg B - B1_Office 118	100	-	-	547
Bldg B - B1_Office 119	100	-	-	289
Bldg B - B1_Office 120	100	-	-	507
Bldg B - B1_Office 121	100	-	-	674
Bldg B - B1_Office 122	100	-	-	678
Bldg B - B1_Office 123	100	-	-	777
Bldg B - B1_Office 124	100	-	-	187
Bldg B - B1_Office 125	100	-	-	632
Bldg B - B1_Office 126	100	-	-	244
Bldg B - B1_Office 127	100	-	-	786
Bldg B - B1_Office 128	100	-	-	627
Bldg B - B1_Office 129	100	-	-	1277
Bldg B - B1_Office 130	100	-	-	2140
Bldg B - B1_Office 131	100	-	-	540
Bldg B - B1_Office 132	100	-	-	621
Bldg B - B1_Office 133	100	-	-	255
Bldg B - B1_Office 134	100	-	-	674
Bldg B - B1_Office 135	100	-	-	678
Bldg B - B1_Office 136	100	-	-	777
Bldg B - B1_Office 137	100	-	-	187
Bldg B - B1_Office 138	100	-	-	632
Bldg B - B1_Office 139	100	-	-	244
Bldg B - B1_Office 140	100	-	-	144
Bldg B - B1_Office 141	100	-	-	642
Bldg B - B1_Office 142	100	-	-	627
Bldg B - B1_Office 143	100	-	-	1277
Bldg B - B1_Office 144	100	-	-	2140
Bldg B - B1_Office 145	100	-	-	540
Bldg B - B1_Office 146	100	-	-	621
Bldg B - B1_Office 147	100	-	-	255
Bldg B - B1_Office 148	100	-	-	674
Bldg B - B1_Office 149	100	-	-	678
Bldg B - B1_Office 150	100	-	-	778
Bldg B - B1_Office 151	100	-	-	187
Bldg B - B1_Office 152	100	-	-	632
Bldg B - B1_Office 153	100	-	-	150
Bldg B - B1_Office 154	100	-	-	244
Bldg B - B1_Office 155	100	-	-	255
Bldg B - B1_Office 156	100	-	-	674
Bldg B - B1_Office 157	100	-	-	678
Bldg B - B1_Office 158	100	-	-	778

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg B - B1_Office 159	100	-	-	187
Bldg B - B1_Office 160	100	-	-	632
Bldg B - B1_Office 161	100	-	-	150
Bldg B - B1_Office 162	100	-	-	244
Bldg B - B1_Office 163	100	-	-	255
Bldg B - B1_Office 164	100	-	-	674
Bldg B - B1_Office 165	100	-	-	678
Bldg B - B1_Office 166	100	-	-	778
Bldg B - B1_Office 167	100	-	-	187
Bldg B - B1_Office 168	100	-	-	632
Bldg B - B1_Office 169	100	-	-	150
Bldg B - B1_Office 170	100	-	-	244
Bldg B - B1_Office 171	100	-	-	255
Bldg B - B1_Office 172	100	-	-	674
Bldg B - B1_Office 173	100	-	-	678
Bldg B - B1_Office 174	100	-	-	778
Bldg B - B1_Office 175	100	-	-	187
Bldg B - B1_Office 176	100	-	-	632
Bldg B - B1_Office 177	100	-	-	150
Bldg B - B1_Office 178	100	-	-	244
Bldg C - B1_Office 101	100	-	-	1113
Bldg C - B1_Office 102	100	-	-	569
Bldg C - B1_Office 103	100	-	-	280
Bldg C - B1_Office 104	100	-	-	289
Bldg C - B1_Office 105	100	-	-	570
Bldg C - B1_Office 106	100	-	-	372
Bldg C - B1_Office 107	100	-	-	157
Bldg C - B1_Office 108	100	-	-	603
Bldg C - B1_Office 109	100	-	-	192
Bldg C - B1_Office 110	100	-	-	206
Bldg C - B1_Office 111	100	-	-	837
Bldg C - B1_Office 112	100	-	-	603
Bldg C - B1_Office 113	100	-	-	158
Bldg C - B1_Office 114	100	-	-	1678
Bldg C - B1_Office 115	100	-	-	1526
Bldg C - B1_Office 116	100	-	-	540
Bldg C - B1_Office 117	100	-	-	666
Bldg C - B1_Office 118	100	-	-	766
Bldg C - B1_Office 119	100	-	-	1031
Bldg C - B1_Office 120	100	-	-	1113
Bldg C - B1_Office 121	100	-	-	569
Bldg C - B1_Office 122	100	-	-	280
Bldg C - B1_Office 123	100	-	-	289

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg C - B1_Office 124	100	-	-	570
Bldg C - B1_Office 125	100	-	-	372
Bldg C - B1_Office 126	100	-	-	157
Bldg C - B1_Office 127	100	-	-	192
Bldg C - B1_Office 128	100	-	-	603
Bldg C - B1_Office 129	100	-	-	206
Bldg C - B1_Office 130	100	-	-	837
Bldg C - B1_Office 131	100	-	-	603
Bldg C - B1_Office 132	100	-	-	158
Bldg C - B1_Office 133	100	-	-	1678
Bldg C - B1_Office 134	100	-	-	1526
Bldg C - B1_Office 135	100	-	-	666
Bldg C - B1_Office 136	100	-	-	540
Bldg C - B1_Office 137	100	-	-	766
Bldg C - B1_Office 138	100	-	-	682
Bldg C - B1_Office 139	100	-	-	609
Bldg C - B1_Office 140	100	-	-	317
Bldg C - B1_Office 141	100	-	-	192
Bldg C - B1_Office 142	100	-	-	603
Bldg C - B1_Office 143	100	-	-	206
Bldg C - B1_Office 144	100	-	-	837
Bldg C - B1_Office 145	100	-	-	603
Bldg C - B1_Office 146	100	-	-	158
Bldg C - B1_Office 147	100	-	-	1678
Bldg C - B1_Office 148	100	-	-	1526
Bldg C - B1_Office 149	100	-	-	666
Bldg C - B1_Office 150	100	-	-	540
Bldg C - B1_Office 151	100	-	-	766
Bldg C - B1_Office 152	100	-	-	682
Bldg C - B1_Office 153	100	-	-	609
Bldg C - B1_Office 154	100	-	-	317
Bldg C - B1_Office 155	100	-	-	192
Bldg C - B1_Office 156	100	-	-	603
Bldg C - B1_Office 157	100	-	-	206
Bldg C - B1_Office 158	100	-	-	178
Bldg C - B1_Office 159	100	-	-	659
Bldg C - B1_Office 160	100	-	-	603
Bldg C - B1_Office 161	100	-	-	158
Bldg C - B1_Office 162	100	-	-	1678
Bldg C - B1_Office 163	100	-	-	1526
Bldg C - B1_Office 164	100	-	-	666
Bldg C - B1_Office 165	100	-	-	540
Bldg C - B1_Office 166	100	-	-	766

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg C - B1_Office 167	100	-	-	682
Bldg C - B1_Office 168	100	-	-	609
Bldg C - B1_Office 169	100	-	-	317
Bldg C - B1_Office 170	100	-	-	192
Bldg C - B1_Office 171	100	-	-	603
Bldg C - B1_Office 172	100	-	-	206
Bldg C - B1_Office 173	100	-	-	178
Bldg C - B1_Office 174	100	-	-	767
Bldg C - B1_Office 175	100	-	-	682
Bldg C - B1_Office 176	100	-	-	609
Bldg C - B1_Office 177	100	-	-	317
Bldg C - B1_Office 178	100	-	-	192
Bldg C - B1_Office 179	100	-	-	603
Bldg C - B1_Office 180	100	-	-	178
Bldg C - B1_Office 181	100	-	-	206
Bldg C - B1_Office 182	100	-	-	767
Bldg C - B1_Office 183	100	-	-	682
Bldg C - B1_Office 184	100	-	-	609
Bldg C - B1_Office 185	100	-	-	317
Bldg C - B1_Office 186	100	-	-	192
Bldg C - B1_Office 187	100	-	-	603
Bldg C - B1_Office 188	100	-	-	178
Bldg C - B1_Office 189	100	-	-	206
Bldg C - B1_Office 190	100	-	-	609
Bldg C - B1_Office 191	100	-	-	682
Bldg C - B1_Office 192	100	-	-	767
Bldg C - B1_Office 193	100	-	-	317
Bldg C - B1_Office 194	100	-	-	192
Bldg C - B1_Office 195	100	-	-	603
Bldg C - B1_Office 196	100	-	-	178
Bldg C - B1_Office 197	100	-	-	206
Bldg C - B1_Office 198	100	-	-	767
Bldg C - B1_Office 199	100	-	-	682
Bldg C - B1_Office 200	100	-	-	609
Bldg C - B1_Office 201	100	-	-	317
Bldg D - B1_Office 101	100	-	-	545
Bldg D - B1_Office 102	100	-	-	1051
Bldg D - B1_Office 103	100	-	-	321
Bldg D - B1_Office 104	100	-	-	345
Bldg D - B1_Office 105	100	-	-	886
Bldg D - B1_Office 106	100	-	-	656
Bldg D - B1_Office 107	100	-	-	545
Bldg D - B1_Office 108	100	-	-	1051

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg D - B1_Office 109	100	-	-	321
Bldg D - B1_Office 110	100	-	-	345
Bldg D - B1_Office 111	100	-	-	886
Bldg D - B1_Office 112	100	-	-	656
Bldg D - B1_Office 113	100	-	-	545
Bldg D - B1_Office 114	100	-	-	1051
Bldg D - B1_Office 115	100	-	-	321
Bldg D - B1_Office 116	100	-	-	345
Bldg D - B1_Office 117	100	-	-	886
Bldg D - B1_Office 118	100	-	-	656
Bldg D - B1_Office 119	100	-	-	545
Bldg D - B1_Office 120	100	-	-	1051
Bldg D - B1_Office 121	100	-	-	321
Bldg D - B1_Office 122	100	-	-	345
Bldg D - B1_Office 123	100	-	-	886
Bldg D - B1_Office 124	100	-	-	656
Bldg D - B1_Office 125	100	-	-	545
Bldg D - B1_Office 126	100	-	-	1051
Bldg D - B1_Office 127	100	-	-	321
Bldg D - B1_Office 128	100	-	-	345
Bldg D - B1_Office 129	100	-	-	886
Bldg D - B1_Office 130	100	-	-	656
Bldg D - B1_Office 131	100	-	-	545
Bldg D - B1_Office 132	100	-	-	1051
Bldg D - B1_Office 133	100	-	-	321
Bldg D - B1_Office 134	100	-	-	345
Bldg D - B1_Office 135	100	-	-	886
Bldg D - B1_Office 136	100	-	-	656
Bldg D - B1_Office 137	100	-	-	545
Bldg D - B1_Office 138	100	-	-	1051
Bldg D - B1_Office 139	100	-	-	321
Bldg D - B1_Office 140	100	-	-	345
Bldg D - B1_Office 141	100	-	-	886
Bldg D - B1_Office 142	100	-	-	656
Bldg D - B1_Office 143	100	-	-	545
Bldg D - B1_Office 144	100	-	-	1051
Bldg D - B1_Office 145	100	-	-	321
Bldg D - B1_Office 146	100	-	-	345
Bldg D - B1_Office 147	100	-	-	886
Bldg D - B1_Office 148	100	-	-	656
Bldg D - B1_Office 149	100	-	-	545
Bldg D - B1_Office 150	100	-	-	1051
Bldg D - B1_Office 151	100	-	-	321

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg D - B1_Office 152	100	-	-	345
Bldg D - B1_Office 153	100	-	-	886
Bldg D - B1_Office 154	100	-	-	656
Bldg D - B1_Office 155	100	-	-	545
Bldg D - B1_Office 156	100	-	-	1051
Bldg D - B1_Office 157	100	-	-	321
Bldg D - B1_Office 158	100	-	-	345
Bldg D - B1_Office 159	100	-	-	886
Bldg D - B1_Office 160	100	-	-	656
Bldg D - B1_Office 161	100	-	-	545
Bldg D - B1_Office 162	100	-	-	1051
Bldg A - B1_Circulation 1 (Stairs)	-	100	-	336
Bldg A - B1_Circulation 2 (Stairs)	-	100	-	266
Bldg A - B1_Circulation 3	-	100	-	35
Bldg A - B1_Circulation 4	-	100	-	36
Bldg A - B1_Circulation 5	-	100	-	46
Bldg A - B1_Circulation 6	-	100	-	35
Bldg A - B1_Circulation 7	-	100	-	36
Bldg A - B1_Circulation 8	-	100	-	44
Bldg A - B1_Circulation 9	-	100	-	46
Bldg A - B1_Circulation 10	-	100	-	35
Bldg A - B1_Circulation 11	-	100	-	36
Bldg A - B1_Circulation 12	-	100	-	44
Bldg A - B1_Circulation 13	-	100	-	46
Bldg A - B1_Circulation 14	-	100	-	35
Bldg A - B1_Circulation 15	-	100	-	36
Bldg A - B1_Circulation 16	-	100	-	44
Bldg A - B1_Circulation 17	-	100	-	46
Bldg A - B1_Circulation 18	-	100	-	35
Bldg A - B1_Circulation 19	-	100	-	36
Bldg A - B1_Circulation 20	-	100	-	44
Bldg A - B1_Circulation 21	-	100	-	46
Bldg A - B1_Circulation 22	-	100	-	35
Bldg A - B1_Circulation 23	-	100	-	36
Bldg A - B1_Circulation 24	-	100	-	90
Bldg A - B1_Circulation 25	-	100	-	35
Bldg A - B1_Circulation 26	-	100	-	36
Bldg A - B1_Circulation 27	-	100	-	44
Bldg A - B1_Circulation 28	-	100	-	46
Bldg A - B1_Circulation 29	-	100	-	35
Bldg A - B1_Circulation 30	-	100	-	36
Bldg A - B1_Circulation 31	-	100	-	44
Bldg A - B1_Circulation 32	-	100	-	46

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg A - B1_Circulation 33	-	100	-	35
Bldg A - B1_Circulation 34	-	100	-	46
Bldg A - B1_Circulation 35	-	100	-	35
Bldg B - B1_Circulation 1 (Stairs)	-	100	-	467
Bldg B - B1_Circulation 2 (Stairs)	-	100	-	491
Bldg B - B1_Circulation 3 (Stairs)	-	100	-	356
Bldg B - B1_Circulation 4 (Stairs)	-	100	-	343
Bldg B - B1_Circulation 5	-	100	-	87
Bldg B - B1_Circulation 6	-	100	-	13
Bldg B - B1_Circulation 7	-	100	-	15
Bldg B - B1_Circulation 8	-	100	-	15
Bldg B - B1_Circulation 9	-	100	-	15
Bldg B - B1_Circulation 10	-	100	-	15
Bldg B - B1_Circulation 11	-	100	-	87
Bldg B - B1_Circulation 12	-	100	-	13
Bldg B - B1_Circulation 13	-	100	-	15
Bldg B - B1_Circulation 14	-	100	-	15
Bldg B - B1_Circulation 15	-	100	-	47
Bldg B - B1_Circulation 16	-	100	-	15
Bldg B - B1_Circulation 17	-	100	-	87
Bldg B - B1_Circulation 18	-	100	-	15
Bldg B - B1_Circulation 19	-	100	-	13
Bldg B - B1_Circulation 20	-	100	-	15
Bldg B - B1_Circulation 21	-	100	-	47
Bldg B - B1_Circulation 22	-	100	-	15
Bldg B - B1_Circulation 23	-	100	-	87
Bldg B - B1_Circulation 24	-	100	-	15
Bldg B - B1_Circulation 25	-	100	-	13
Bldg B - B1_Circulation 26	-	100	-	15
Bldg B - B1_Circulation 27	-	100	-	47
Bldg B - B1_Circulation 28	-	100	-	15
Bldg B - B1_Circulation 29	-	100	-	87
Bldg B - B1_Circulation 30	-	100	-	15
Bldg B - B1_Circulation 31	-	100	-	13
Bldg B - B1_Circulation 32	-	100	-	15
Bldg B - B1_Circulation 33	-	100	-	47
Bldg B - B1_Circulation 34	-	100	-	15
Bldg B - B1_Circulation 35	-	100	-	87
Bldg B - B1_Circulation 36	-	100	-	15
Bldg B - B1_Circulation 37	-	100	-	13
Bldg B - B1_Circulation 38	-	100	-	15
Bldg B - B1_Circulation 39	-	100	-	47
Bldg B - B1_Circulation 40	-	100	-	15

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg B - B1_Circulation 41	-	100	-	87
Bldg B - B1_Circulation 42	-	100	-	15
Bldg B - B1_Circulation 43	-	100	-	13
Bldg B - B1_Circulation 44	-	100	-	15
Bldg B - B1_Circulation 45	-	100	-	46
Bldg B - B1_Circulation 46	-	100	-	15
Bldg B - B1_Circulation 47	-	100	-	87
Bldg B - B1_Circulation 48	-	100	-	15
Bldg B - B1_Circulation 49	-	100	-	13
Bldg B - B1_Circulation 50	-	100	-	15
Bldg B - B1_Circulation 51	-	100	-	46
Bldg B - B1_Circulation 52	-	100	-	15
Bldg B - B1_Circulation 53	-	100	-	88
Bldg B - B1_Circulation 54	-	100	-	15
Bldg B - B1_Circulation 55	-	100	-	13
Bldg B - B1_Circulation 56	-	100	-	15
Bldg B - B1_Circulation 57	-	100	-	88
Bldg B - B1_Circulation 58	-	100	-	15
Bldg B - B1_Circulation 59	-	100	-	13
Bldg B - B1_Circulation 60	-	100	-	15
Bldg B - B1_Circulation 61	-	100	-	88
Bldg B - B1_Circulation 62	-	100	-	15
Bldg B - B1_Circulation 63	-	100	-	13
Bldg B - B1_Circulation 64	-	100	-	15
Bldg B - B1_Circulation 65	-	100	-	88
Bldg B - B1_Circulation 66	-	100	-	15
Bldg B - B1_Circulation 67	-	100	-	13
Bldg B - B1_Circulation 68	-	100	-	102
Bldg C - B1_Circulation 1 (Stairs)	-	100	-	522
Bldg C - B1_Circulation 2 (Stairs)	-	100	-	509
Bldg C - B1_Circulation 3 (Stairs)	-	100	-	392
Bldg C - B1_Circulation 4 (Stairs)	-	100	-	387
Bldg C - B1_Circulation 5	-	100	-	89
Bldg C - B1_Circulation 6	-	100	-	14
Bldg C - B1_Circulation 7	-	100	-	13
Bldg C - B1_Circulation 8	-	100	-	15
Bldg C - B1_Circulation 9	-	100	-	14
Bldg C - B1_Circulation 10	-	100	-	15
Bldg C - B1_Circulation 11	-	100	-	89
Bldg C - B1_Circulation 12	-	100	-	14
Bldg C - B1_Circulation 13	-	100	-	13
Bldg C - B1_Circulation 14	-	100	-	15
Bldg C - B1_Circulation 15	-	100	-	13

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg C - B1_Circulation 16	-	100	-	37
Bldg C - B1_Circulation 17	-	100	-	15
Bldg C - B1_Circulation 18	-	100	-	89
Bldg C - B1_Circulation 19	-	100	-	14
Bldg C - B1_Circulation 20	-	100	-	13
Bldg C - B1_Circulation 21	-	100	-	15
Bldg C - B1_Circulation 22	-	100	-	13
Bldg C - B1_Circulation 23	-	100	-	37
Bldg C - B1_Circulation 24	-	100	-	15
Bldg C - B1_Circulation 25	-	100	-	89
Bldg C - B1_Circulation 26	-	100	-	14
Bldg C - B1_Circulation 27	-	100	-	13
Bldg C - B1_Circulation 28	-	100	-	15
Bldg C - B1_Circulation 29	-	100	-	13
Bldg C - B1_Circulation 30	-	100	-	37
Bldg C - B1_Circulation 31	-	100	-	15
Bldg C - B1_Circulation 32	-	100	-	89
Bldg C - B1_Circulation 33	-	100	-	14
Bldg C - B1_Circulation 34	-	100	-	13
Bldg C - B1_Circulation 35	-	100	-	15
Bldg C - B1_Circulation 36	-	100	-	13
Bldg C - B1_Circulation 37	-	100	-	37
Bldg C - B1_Circulation 38	-	100	-	15
Bldg C - B1_Circulation 39	-	100	-	89
Bldg C - B1_Circulation 40	-	100	-	14
Bldg C - B1_Circulation 41	-	100	-	13
Bldg C - B1_Circulation 42	-	100	-	15
Bldg C - B1_Circulation 43	-	100	-	13
Bldg C - B1_Circulation 44	-	100	-	37
Bldg C - B1_Circulation 45	-	100	-	15
Bldg C - B1_Circulation 46	-	100	-	89
Bldg C - B1_Circulation 47	-	100	-	14
Bldg C - B1_Circulation 48	-	100	-	13
Bldg C - B1_Circulation 49	-	100	-	15
Bldg C - B1_Circulation 50	-	100	-	13
Bldg C - B1_Circulation 51	-	100	-	37
Bldg C - B1_Circulation 52	-	100	-	15
Bldg C - B1_Circulation 53	-	100	-	89
Bldg C - B1_Circulation 54	-	100	-	14
Bldg C - B1_Circulation 55	-	100	-	13
Bldg C - B1_Circulation 56	-	100	-	15
Bldg C - B1_Circulation 57	-	100	-	12
Bldg C - B1_Circulation 58	-	100	-	37

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg C - B1_Circulation 59	-	100	-	15
Bldg C - B1_Circulation 60	-	100	-	89
Bldg C - B1_Circulation 61	-	100	-	14
Bldg C - B1_Circulation 62	-	100	-	13
Bldg C - B1_Circulation 63	-	100	-	15
Bldg C - B1_Circulation 64	-	100	-	12
Bldg C - B1_Circulation 65	-	100	-	37
Bldg C - B1_Circulation 66	-	100	-	15
Bldg C - B1_Circulation 67	-	100	-	89
Bldg C - B1_Circulation 68	-	100	-	14
Bldg C - B1_Circulation 69	-	100	-	13
Bldg C - B1_Circulation 70	-	100	-	15
Bldg C - B1_Circulation 71	-	100	-	12
Bldg C - B1_Circulation 72	-	100	-	37
Bldg C - B1_Circulation 73	-	100	-	15
Bldg C - B1_Circulation 74	-	100	-	88
Bldg C - B1_Circulation 75	-	100	-	14
Bldg C - B1_Circulation 76	-	100	-	13
Bldg C - B1_Circulation 77	-	100	-	15
Bldg C - B1_Circulation 78	-	100	-	88
Bldg C - B1_Circulation 79	-	100	-	14
Bldg C - B1_Circulation 80	-	100	-	13
Bldg C - B1_Circulation 81	-	100	-	15
Bldg C - B1_Circulation 82	-	100	-	88
Bldg C - B1_Circulation 83	-	100	-	14
Bldg C - B1_Circulation 84	-	100	-	13
Bldg C - B1_Circulation 85	-	100	-	15
Bldg C - B1_Circulation 86	-	100	-	88
Bldg C - B1_Circulation 87	-	100	-	14
Bldg C - B1_Circulation 88	-	100	-	13
Bldg C - B1_Circulation 89	-	100	-	15
Bldg D - B1_Circulation 1 (Stairs)	-	100	-	743
Bldg D - B1_Circulation 2 (Stairs)	-	100	-	426
Bldg D - B1_Circulation 3	-	100	-	76
Bldg D - B1_Circulation 4	-	100	-	13
Bldg D - B1_Circulation 5	-	100	-	30
Bldg D - B1_Circulation 6	-	100	-	76
Bldg D - B1_Circulation 7	-	100	-	13
Bldg D - B1_Circulation 8	-	100	-	29
Bldg D - B1_Circulation 9	-	100	-	30
Bldg D - B1_Circulation 10	-	100	-	76
Bldg D - B1_Circulation 11	-	100	-	13
Bldg D - B1_Circulation 12	-	100	-	29

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg D - B1_Circulation 13	-	100	-	30
Bldg D - B1_Circulation 14	-	100	-	76
Bldg D - B1_Circulation 15	-	100	-	13
Bldg D - B1_Circulation 16	-	100	-	29
Bldg D - B1_Circulation 17	-	100	-	30
Bldg D - B1_Circulation 18	-	100	-	76
Bldg D - B1_Circulation 19	-	100	-	13
Bldg D - B1_Circulation 20	-	100	-	29
Bldg D - B1_Circulation 21	-	100	-	30
Bldg D - B1_Circulation 22	-	100	-	76
Bldg D - B1_Circulation 23	-	100	-	13
Bldg D - B1_Circulation 24	-	100	-	29
Bldg D - B1_Circulation 25	-	100	-	30
Bldg D - B1_Circulation 26	-	100	-	76
Bldg D - B1_Circulation 27	-	100	-	13
Bldg D - B1_Circulation 28	-	100	-	29
Bldg D - B1_Circulation 29	-	100	-	30
Bldg D - B1_Circulation 30	-	100	-	76
Bldg D - B1_Circulation 31	-	100	-	13
Bldg D - B1_Circulation 32	-	100	-	29
Bldg D - B1_Circulation 33	-	100	-	30
Bldg D - B1_Circulation 34	-	100	-	76
Bldg D - B1_Circulation 35	-	100	-	13
Bldg D - B1_Circulation 36	-	100	-	29
Bldg D - B1_Circulation 37	-	100	-	30
Bldg D - B1_Circulation 38	-	100	-	76
Bldg D - B1_Circulation 39	-	100	-	13
Bldg D - B1_Circulation 40	-	100	-	29
Bldg D - B1_Circulation 41	-	100	-	30
Bldg D - B1_Circulation 42	-	100	-	76
Bldg D - B1_Circulation 43	-	100	-	13
Bldg D - B1_Circulation 44	-	100	-	29
Bldg D - B1_Circulation 45	-	100	-	30
Bldg D - B1_Circulation 46	-	100	-	76
Bldg D - B1_Circulation 47	-	100	-	13
Bldg D - B1_Circulation 48	-	100	-	29
Bldg D - B1_Circulation 49	-	100	-	30
Bldg D - B1_Circulation 50	-	100	-	76
Bldg D - B1_Circulation 51	-	100	-	13
Bldg D - B1_Circulation 52	-	100	-	29
Bldg D - B1_Circulation 53	-	100	-	76
Bldg D - B1_Circulation 54	-	100	-	13
Bldg D - B1_Circulation 55	-	100	-	29

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg D - B1_Circulation 56	-	100	-	76
Bldg D - B1_Circulation 57	-	100	-	13
Bldg D - B1_Circulation 58	-	100	-	29
Bldg D - B1_Circulation 59	-	100	-	76
Bldg D - B1_Circulation 60	-	100	-	13
Bldg D - B1_Circulation 61	-	100	-	29
Bldg D - B1_Circulation 62	-	100	-	76
Bldg D - B1_Circulation 63	-	100	-	13
Bldg D - B1_Circulation 64	-	100	-	29
Bldg D - B1_Circulation 65	-	100	-	76
Bldg D - B1_Circulation 66	-	100	-	13
Bldg D - B1_Circulation 67	-	100	-	29
Bldg D - B1_Circulation 68	-	100	-	76
Bldg D - B1_Circulation 69	-	100	-	13
Bldg D - B1_Circulation 70	-	100	-	29
Bldg D - B1_Circulation 71	-	100	-	76
Bldg D - B1_Circulation 72	-	100	-	13
Bldg D - B1_Circulation 73	-	100	-	29
Bldg D - B1_Circulation 74	-	100	-	76
Bldg D - B1_Circulation 75	-	100	-	13
Bldg D - B1_Circulation 76	-	100	-	29
Bldg D - B1_Circulation 77	-	100	-	76
Bldg D - B1_Circulation 78	-	100	-	13
Bldg D - B1_Circulation 79	-	100	-	29
Bldg D - B1_Circulation 80	-	100	-	76
Bldg D - B1_Circulation 81	-	100	-	13
Bldg D - B1_Circulation 82	-	100	-	29
Bldg A - B1_Toilet 1	-	100	-	44
Bldg A - B1_Toilet 2	-	100	-	43
Bldg A - B1_Toilet 3	-	100	-	44
Bldg A - B1_Toilet 4	-	100	-	43
Bldg A - B1_Toilet 5	-	100	-	44
Bldg A - B1_Toilet 6	-	100	-	43
Bldg A - B1_Toilet 7	-	100	-	44
Bldg A - B1_Toilet 8	-	100	-	43
Bldg A - B1_Toilet 9	-	100	-	44
Bldg A - B1_Toilet 10	-	100	-	43
Bldg A - B1_Toilet 11	-	100	-	44
Bldg A - B1_Toilet 12	-	100	-	43
Bldg A - B1_Toilet 13	-	100	-	44
Bldg A - B1_Toilet 14	-	100	-	43
Bldg A - B1_Toilet 15	-	100	-	44
Bldg A - B1_Toilet 16	-	100	-	44

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg B - B1_Toilet 1	-	100	-	57
Bldg B - B1_Toilet 2	-	100	-	54
Bldg B - B1_Toilet 3	-	100	-	90
Bldg B - B1_Toilet 4	-	100	-	61
Bldg B - B1_Toilet 5	-	100	-	57
Bldg B - B1_Toilet 6	-	100	-	54
Bldg B - B1_Toilet 7	-	100	-	90
Bldg B - B1_Toilet 8	-	100	-	61
Bldg B - B1_Toilet 9	-	100	-	57
Bldg B - B1_Toilet 10	-	100	-	54
Bldg B - B1_Toilet 11	-	100	-	90
Bldg B - B1_Toilet 12	-	100	-	61
Bldg B - B1_Toilet 13	-	100	-	57
Bldg B - B1_Toilet 14	-	100	-	54
Bldg B - B1_Toilet 15	-	100	-	90
Bldg B - B1_Toilet 16	-	100	-	61
Bldg B - B1_Toilet 17	-	100	-	57
Bldg B - B1_Toilet 18	-	100	-	54
Bldg B - B1_Toilet 19	-	100	-	90
Bldg B - B1_Toilet 20	-	100	-	61
Bldg B - B1_Toilet 21	-	100	-	57
Bldg B - B1_Toilet 22	-	100	-	54
Bldg B - B1_Toilet 23	-	100	-	90
Bldg B - B1_Toilet 24	-	100	-	61
Bldg B - B1_Toilet 25	-	100	-	57
Bldg B - B1_Toilet 26	-	100	-	54
Bldg B - B1_Toilet 27	-	100	-	90
Bldg B - B1_Toilet 28	-	100	-	61
Bldg B - B1_Toilet 29	-	100	-	57
Bldg B - B1_Toilet 30	-	100	-	54
Bldg B - B1_Toilet 31	-	100	-	90
Bldg B - B1_Toilet 32	-	100	-	61
Bldg B - B1_Toilet 33	-	100	-	57
Bldg B - B1_Toilet 34	-	100	-	54
Bldg B - B1_Toilet 35	-	100	-	90
Bldg B - B1_Toilet 36	-	100	-	57
Bldg B - B1_Toilet 37	-	100	-	54
Bldg B - B1_Toilet 38	-	100	-	90
Bldg B - B1_Toilet 39	-	100	-	57
Bldg B - B1_Toilet 40	-	100	-	54
Bldg C - B1_Toilet 1	-	100	-	61
Bldg C - B1_Toilet 2	-	100	-	56
Bldg C - B1_Toilet 3	-	100	-	91

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg C - B1_Toilet 4	-	100	-	63
Bldg C - B1_Toilet 5	-	100	-	61
Bldg C - B1_Toilet 6	-	100	-	56
Bldg C - B1_Toilet 7	-	100	-	91
Bldg C - B1_Toilet 8	-	100	-	63
Bldg C - B1_Toilet 9	-	100	-	61
Bldg C - B1_Toilet 10	-	100	-	56
Bldg C - B1_Toilet 11	-	100	-	91
Bldg C - B1_Toilet 12	-	100	-	63
Bldg C - B1_Toilet 13	-	100	-	61
Bldg C - B1_Toilet 14	-	100	-	56
Bldg C - B1_Toilet 15	-	100	-	91
Bldg C - B1_Toilet 16	-	100	-	63
Bldg C - B1_Toilet 17	-	100	-	61
Bldg C - B1_Toilet 18	-	100	-	56
Bldg C - B1_Toilet 19	-	100	-	91
Bldg C - B1_Toilet 20	-	100	-	63
Bldg C - B1_Toilet 21	-	100	-	61
Bldg C - B1_Toilet 22	-	100	-	56
Bldg C - B1_Toilet 23	-	100	-	91
Bldg C - B1_Toilet 24	-	100	-	63
Bldg C - B1_Toilet 25	-	100	-	61
Bldg C - B1_Toilet 26	-	100	-	56
Bldg C - B1_Toilet 27	-	100	-	91
Bldg C - B1_Toilet 28	-	100	-	63
Bldg C - B1_Toilet 29	-	100	-	61
Bldg C - B1_Toilet 30	-	100	-	56
Bldg C - B1_Toilet 31	-	100	-	91
Bldg C - B1_Toilet 32	-	100	-	63
Bldg C - B1_Toilet 33	-	100	-	61
Bldg C - B1_Toilet 34	-	100	-	56
Bldg C - B1_Toilet 35	-	100	-	91
Bldg C - B1_Toilet 36	-	100	-	63
Bldg C - B1_Toilet 37	-	100	-	61
Bldg C - B1_Toilet 38	-	100	-	56
Bldg C - B1_Toilet 39	-	100	-	91
Bldg C - B1_Toilet 40	-	100	-	61
Bldg D - B1_Toilet 1	-	100	-	72
Bldg D - B1_Toilet 2	-	100	-	67
Bldg D - B1_Toilet 3	-	100	-	76
Bldg D - B1_Toilet 4	-	100	-	72
Bldg D - B1_Toilet 5	-	100	-	67
Bldg D - B1_Toilet 6	-	100	-	76

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg D - B1_Toilet 7	-	100	-	72
Bldg D - B1_Toilet 8	-	100	-	67
Bldg D - B1_Toilet 9	-	100	-	76
Bldg D - B1_Toilet 10	-	100	-	72
Bldg D - B1_Toilet 11	-	100	-	67
Bldg D - B1_Toilet 12	-	100	-	76
Bldg D - B1_Toilet 13	-	100	-	72
Bldg D - B1_Toilet 14	-	100	-	67
Bldg D - B1_Toilet 15	-	100	-	76
Bldg D - B1_Toilet 16	-	100	-	72
Bldg D - B1_Toilet 17	-	100	-	67
Bldg D - B1_Toilet 18	-	100	-	76
Bldg D - B1_Toilet 19	-	100	-	72
Bldg D - B1_Toilet 20	-	100	-	67
Bldg D - B1_Toilet 21	-	100	-	76
Bldg D - B1_Toilet 22	-	100	-	72
Bldg D - B1_Toilet 23	-	100	-	67
Bldg D - B1_Toilet 24	-	100	-	76
Bldg D - B1_Toilet 25	-	100	-	72
Bldg D - B1_Toilet 26	-	100	-	67
Bldg D - B1_Toilet 27	-	100	-	76
Bldg D - B1_Toilet 28	-	100	-	72
Bldg D - B1_Toilet 29	-	100	-	67
Bldg D - B1_Toilet 30	-	100	-	76
Bldg D - B1_Toilet 31	-	100	-	72
Bldg D - B1_Toilet 32	-	100	-	67
Bldg D - B1_Toilet 33	-	100	-	76
Bldg D - B1_Toilet 34	-	100	-	72
Bldg D - B1_Toilet 35	-	100	-	67
Bldg D - B1_Toilet 36	-	100	-	76
Bldg D - B1_Toilet 37	-	100	-	67
Bldg D - B1_Toilet 38	-	100	-	76
Bldg D - B1_Toilet 39	-	100	-	67
Bldg D - B1_Toilet 40	-	100	-	76
Bldg B - B1_Toilet 41	-	100	-	90
Bldg B - B1_Toilet 42	-	100	-	57
Bldg B - B1_Toilet 43	-	100	-	54
Bldg B - B1_Toilet 44	-	100	-	90
Bldg B - B1_Circulation 101	-	100	-	15
Bldg B - B1_Circulation 102	-	100	-	13
Bldg B - B1_Circulation 103	-	100	-	15
Bldg B - B1_Circulation 104	-	100	-	47
Bldg B - B1_Circulation 105	-	100	-	15

General lighting and display lighting	Luminous efficacy [lm/W]			
Zone name	**Luminaire**	**Lamp**	**Display lamp**	**General lighting [W]**
Standard value	60	60	22	
Bldg C - B1_Toilet 41	-	100	-	56
Bldg C - B1_Toilet 42	-	100	-	91
Bldg C - B1_Toilet 43	-	100	-	61
Bldg C - B1_Toilet 44	-	100	-	56
Bldg C - B1_Toilet 45	-	100	-	91
Bldg C - B1_Toilet 46	-	100	-	61
Bldg C - B1_Toilet 47	-	100	-	56
Bldg C - B1_Toilet 48	-	100	-	91
Bldg D - B1_Toilet 41	-	100	-	67
Bldg D - B1_Toilet 42	-	100	-	76
Bldg D - B1_Toilet 43	-	100	-	67
Bldg D - B1_Toilet 44	-	100	-	76
Bldg D - B1_Toilet 45	-	100	-	67
Bldg D - B1_Toilet 46	-	100	-	76
Bldg D - B1_Toilet 47	-	100	-	67
Bldg D - B1_Toilet 48	-	100	-	76
Bldg D - B1_Toilet 49	-	100	-	67
Bldg D - B1_Toilet 50	-	100	-	76
Bldg D - B1_Toilet 51	-	100	-	67
Bldg D - B1_Toilet 52	-	100	-	76
Bldg D - B1_Toilet 53	-	100	-	67
Bldg D - B1_Toilet 54	-	100	-	76
Bldg D - B1_Toilet 55	-	100	-	67
Bldg D - B1_Toilet 56	-	100	-	76
Bldg A - B1_Store (Refuse) 1	100	-	-	82
Bldg B - B1_Store (Refuse) 1	100	-	-	131
Bldg C - B1_Store (Refuse) 1	100	-	-	127
Bldg D - B1_Store (Refuse) 1	100	-	-	128
Bldg A - B1_Plant 1	100	-	-	911
Bldg B - B1_Plant 1	100	-	-	234
Bldg B - B1_Plant 2	100	-	-	329
Bldg C - B1_Plant 1	100	-	-	334
Bldg C - B1_Plant 2	100	-	-	328
Bldg D - B1_Plant 1	100	-	-	1122

Criterion 3: The spaces in the building should have appropriate passive control measures to limit solar gains

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
Bldg A - B1_Office 1	NO (-39%)	NO
Bldg A - B1_Office 2	NO (-24%)	NO
Bldg A - B1_Office 3	NO (-19%)	NO
Bldg A - B1_Office 4	YES (+2%)	NO
Bldg A - B1_Office 5	NO (-18%)	NO
Bldg A - B1_Office 6	NO (-36%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
Bldg A - B1_Office 7	NO (-32%)	NO
Bldg A - B1_Office 8	NO (-35%)	NO
Bldg A - B1_Office 9	NO (-84%)	NO
Bldg A - B1_Office 10	NO (-22%)	NO
Bldg A - B1_Office 11	NO (-39%)	NO
Bldg A - B1_Office 12	NO (-37%)	NO
Bldg A - B1_Office 13	NO (-42%)	NO
Bldg A - B1_Office 14	NO (-24%)	NO
Bldg A - B1_Office 15	NO (-21%)	NO
Bldg A - B1_Office 16	YES (+16%)	NO
Bldg A - B1_Office 17	YES (+2%)	NO
Bldg A - B1_Office 18	NO (-20%)	NO
Bldg A - B1_Office 19	NO (-35%)	NO
Bldg A - B1_Office 20	NO (-32%)	NO
Bldg A - B1_Office 21	NO (-38%)	NO
Bldg A - B1_Office 22	NO (-84%)	NO
Bldg A - B1_Office 23	NO (-21%)	NO
Bldg A - B1_Office 24	NO (-38%)	NO
Bldg A - B1_Office 25	NO (-34%)	NO
Bldg A - B1_Office 26	NO (-41%)	NO
Bldg A - B1_Office 27	NO (-25%)	NO
Bldg A - B1_Office 28	NO (-21%)	NO
Bldg A - B1_Office 29	YES (+16%)	NO
Bldg A - B1_Office 30	YES (+2%)	NO
Bldg A - B1_Office 31	NO (-20%)	NO
Bldg A - B1_Office 32	NO (-36%)	NO
Bldg A - B1_Office 33	NO (-31%)	NO
Bldg A - B1_Office 34	NO (-37%)	NO
Bldg A - B1_Office 35	NO (-83%)	NO
Bldg A - B1_Office 36	NO (-17%)	NO
Bldg A - B1_Office 37	NO (-36%)	NO
Bldg A - B1_Office 38	NO (-34%)	NO
Bldg A - B1_Office 39	NO (-41%)	NO
Bldg A - B1_Office 40	NO (-25%)	NO
Bldg A - B1_Office 41	NO (-22%)	NO
Bldg A - B1_Office 42	NO (-21%)	NO
Bldg A - B1_Office 43	YES (+16%)	NO
Bldg A - B1_Office 44	YES (+2%)	NO
Bldg A - B1_Office 45	NO (-19%)	NO
Bldg A - B1_Office 46	NO (-30%)	NO
Bldg A - B1_Office 47	NO (-37%)	NO
Bldg A - B1_Office 48	NO (-31%)	NO
Bldg A - B1_Office 49	NO (-36%)	NO
Bldg A - B1_Office 50	NO (-84%)	NO
Bldg A - B1_Office 51	NO (-8%)	NO
Bldg A - B1_Office 52	NO (-33%)	NO
Bldg A - B1_Office 53	NO (-24%)	NO
Bldg A - B1_Office 54	NO (-28%)	NO
Bldg A - B1_Office 55	NO (-17%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
Bldg A - B1_Office 56	NO (-36%)	NO
Bldg A - B1_Office 57	NO (-16%)	NO
Bldg A - B1_Office 58	NO (-33%)	NO
Bldg A - B1_Office 59	NO (-28%)	NO
Bldg A - B1_Office 60	NO (-66%)	NO
Bldg A - B1_Office 61	NO (-57%)	NO
Bldg A - B1_Office 62	YES (+4%)	NO
Bldg A - B1_Office 63	NO (-18%)	NO
Bldg A - B1_Office 64	NO (-22%)	NO
Bldg A - B1_Office 65	NO (-39%)	NO
Bldg A - B1_Office 66	NO (-34%)	NO
Bldg A - B1_Office 67	NO (-32%)	NO
Bldg A - B1_Office 68	NO (-15%)	NO
Bldg A - B1_Office 69	NO (-21%)	NO
Bldg A - B1_Office 70	YES (+18%)	NO
Bldg A - B1_Office 71	NO (-67%)	NO
Bldg A - B1_Office 72	NO (-56%)	NO
Bldg A - B1_Office 73	NO (-1%)	NO
Bldg A - B1_Office 74	NO (-31%)	NO
Bldg A - B1_Office 75	NO (-24%)	NO
Bldg A - B1_Office 76	NO (-27%)	NO
Bldg A - B1_Office 77	NO (-16%)	NO
Bldg A - B1_Office 78	NO (-35%)	NO
Bldg A - B1_Office 79	NO (-14%)	NO
Bldg A - B1_Office 80	NO (-31%)	NO
Bldg A - B1_Office 81	NO (-25%)	NO
Bldg A - B1_Office 82	NO (-56%)	NO
Bldg A - B1_Office 83	NO (-65%)	NO
Bldg A - B1_Office 84	YES (+4%)	NO
Bldg A - B1_Office 85	NO (-17%)	NO
Bldg A - B1_Office 86	NO (-19%)	NO
Bldg A - B1_Office 87	NO (-37%)	NO
Bldg A - B1_Office 88	NO (-33%)	NO
Bldg A - B1_Office 89	NO (-31%)	NO
Bldg A - B1_Office 90	NO (-15%)	NO
Bldg A - B1_Office 91	NO (-21%)	NO
Bldg A - B1_Office 92	YES (+18%)	NO
Bldg A - B1_Office 93	NO (-66%)	NO
Bldg A - B1_Office 94	NO (-56%)	NO
Bldg A - B1_Office 95	YES (+5%)	NO
Bldg A - B1_Office 96	NO (-29%)	NO
Bldg A - B1_Office 97	NO (-23%)	NO
Bldg A - B1_Office 98	NO (-27%)	NO
Bldg A - B1_Office 99	NO (-14%)	NO
Bldg A - B1_Office 100	NO (-33%)	NO
Bldg B - B1_Office 1	NO (-15%)	NO
Bldg B - B1_Office 2	NO (-14%)	NO
Bldg B - B1_Office 3	NO (-16%)	NO
Bldg B - B1_Office 4	NO (-15%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
Bldg B - B1_Office 5	NO (-52%)	NO
Bldg B - B1_Office 6	NO (-71%)	NO
Bldg B - B1_Office 7	NO (-65%)	NO
Bldg B - B1_Office 8	NO (-34%)	NO
Bldg B - B1_Office 9	NO (-36%)	NO
Bldg B - B1_Office 10	NO (-46%)	NO
Bldg B - B1_Office 11	NO (-36%)	NO
Bldg B - B1_Office 12	NO (-52%)	NO
Bldg B - B1_Office 13	NO (-49%)	NO
Bldg B - B1_Office 14	NO (-12%)	NO
Bldg B - B1_Office 15	NO (-14%)	NO
Bldg B - B1_Office 16	NO (-63%)	NO
Bldg B - B1_Office 17	NO (-15%)	NO
Bldg B - B1_Office 18	NO (-15%)	NO
Bldg B - B1_Office 19	NO (-40%)	NO
Bldg B - B1_Office 20	NO (-23%)	NO
Bldg B - B1_Office 21	NO (-36%)	NO
Bldg B - B1_Office 22	NO (-45%)	NO
Bldg B - B1_Office 23	NO (-36%)	NO
Bldg B - B1_Office 24	NO (-38%)	NO
Bldg B - B1_Office 25	NO (-73%)	NO
Bldg B - B1_Office 26	NO (-41%)	NO
Bldg B - B1_Office 27	NO (-46%)	NO
Bldg B - B1_Office 28	NO (-49%)	NO
Bldg B - B1_Office 29	NO (-51%)	NO
Bldg B - B1_Office 30	NO (-79%)	NO
Bldg B - B1_Office 31	NO (-12%)	NO
Bldg B - B1_Office 32	NO (-14%)	NO
Bldg B - B1_Office 33	NO (-63%)	NO
Bldg B - B1_Office 34	NO (-15%)	NO
Bldg B - B1_Office 35	NO (-15%)	NO
Bldg B - B1_Office 36	NO (-39%)	NO
Bldg B - B1_Office 37	NO (-21%)	NO
Bldg B - B1_Office 38	NO (-36%)	NO
Bldg B - B1_Office 39	NO (-46%)	NO
Bldg B - B1_Office 40	NO (-35%)	NO
Bldg B - B1_Office 41	NO (-35%)	NO
Bldg B - B1_Office 42	NO (-75%)	NO
Bldg B - B1_Office 43	NO (-38%)	NO
Bldg B - B1_Office 44	NO (-48%)	NO
Bldg B - B1_Office 45	NO (-49%)	NO
Bldg B - B1_Office 46	NO (-43%)	NO
Bldg B - B1_Office 47	NO (-80%)	NO
Bldg B - B1_Office 48	NO (-12%)	NO
Bldg B - B1_Office 49	NO (-14%)	NO
Bldg B - B1_Office 50	NO (-63%)	NO
Bldg B - B1_Office 51	NO (-15%)	NO
Bldg B - B1_Office 52	NO (-15%)	NO
Bldg B - B1_Office 53	NO (-39%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
Bldg B - B1_Office 54	NO (-16%)	NO
Bldg B - B1_Office 55	NO (-35%)	NO
Bldg B - B1_Office 56	NO (-45%)	NO
Bldg B - B1_Office 57	NO (-34%)	NO
Bldg B - B1_Office 58	NO (-34%)	NO
Bldg B - B1_Office 59	NO (-77%)	NO
Bldg B - B1_Office 60	NO (-37%)	NO
Bldg B - B1_Office 61	NO (-71%)	NO
Bldg B - B1_Office 62	NO (-40%)	NO
Bldg B - B1_Office 63	NO (-72%)	NO
Bldg B - B1_Office 64	NO (-49%)	NO
Bldg B - B1_Office 65	NO (-48%)	NO
Bldg B - B1_Office 66	NO (-80%)	NO
Bldg B - B1_Office 67	NO (-13%)	NO
Bldg B - B1_Office 68	NO (-31%)	NO
Bldg B - B1_Office 69	NO (-32%)	NO
Bldg B - B1_Office 70	NO (-74%)	NO
Bldg B - B1_Office 71	NO (-35%)	NO
Bldg B - B1_Office 72	NO (-12%)	NO
Bldg B - B1_Office 73	NO (-14%)	NO
Bldg B - B1_Office 74	NO (-63%)	NO
Bldg B - B1_Office 75	NO (-15%)	NO
Bldg B - B1_Office 76	NO (-15%)	NO
Bldg B - B1_Office 77	NO (-38%)	NO
Bldg B - B1_Office 78	NO (-80%)	NO
Bldg B - B1_Office 79	NO (-47%)	NO
Bldg B - B1_Office 80	NO (-47%)	NO
Bldg B - B1_Office 81	NO (-10%)	NO
Bldg B - B1_Office 82	NO (-32%)	NO
Bldg B - B1_Office 83	NO (-31%)	NO
Bldg B - B1_Office 84	NO (-61%)	NO
Bldg B - B1_Office 85	NO (-4%)	NO
Bldg B - B1_Office 86	NO (-28%)	NO
Bldg B - B1_Office 87	NO (-30%)	NO
Bldg B - B1_Office 88	NO (-72%)	NO
Bldg B - B1_Office 89	NO (-29%)	NO
Bldg B - B1_Office 90	NO (-12%)	NO
Bldg B - B1_Office 91	NO (-13%)	NO
Bldg B - B1_Office 92	NO (-63%)	NO
Bldg B - B1_Office 93	NO (-14%)	NO
Bldg B - B1_Office 94	NO (-15%)	NO
Bldg B - B1_Office 95	NO (-37%)	NO
Bldg B - B1_Office 96	NO (-80%)	NO
Bldg B - B1_Office 97	NO (-47%)	NO
Bldg B - B1_Office 98	NO (-45%)	NO
Bldg B - B1_Office 99	NO (-7%)	NO
Bldg B - B1_Office 100	NO (-32%)	NO
Bldg C - B1_Office 1	NO (-15%)	NO
Bldg C - B1_Office 2	NO (-14%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
Bldg C - B1_Office 3	NO (-64%)	NO
Bldg C - B1_Office 4	NO (-14%)	NO
Bldg C - B1_Office 5	NO (-15%)	NO
Bldg C - B1_Office 6	NO (-63%)	NO
Bldg C - B1_Office 7	NO (-51%)	NO
Bldg C - B1_Office 9	NO (-36%)	NO
Bldg C - B1_Office 10	NO (-50%)	NO
Bldg C - B1_Office 11	NO (-46%)	NO
Bldg C - B1_Office 12	NO (-36%)	NO
Bldg C - B1_Office 13	NO (-36%)	NO
Bldg C - B1_Office 14	NO (-14%)	NO
Bldg C - B1_Office 15	NO (-15%)	NO
Bldg C - B1_Office 16	NO (-63%)	NO
Bldg C - B1_Office 17	NO (-13%)	NO
Bldg C - B1_Office 18	NO (-16%)	NO
Bldg C - B1_Office 19	NO (-63%)	NO
Bldg C - B1_Office 20	NO (-36%)	NO
Bldg C - B1_Office 21	NO (-91%)	NO
Bldg C - B1_Office 22	NO (-98%)	NO
Bldg C - B1_Office 23	NO (-98%)	NO
Bldg C - B1_Office 24	NO (-96%)	NO
Bldg C - B1_Office 25	NO (-80%)	NO
Bldg C - B1_Office 26	NO (-43%)	NO
Bldg C - B1_Office 27	NO (-36%)	NO
Bldg C - B1_Office 28	NO (-46%)	NO
Bldg C - B1_Office 29	NO (-95%)	NO
Bldg C - B1_Office 30	NO (-36%)	NO
Bldg C - B1_Office 31	NO (-15%)	NO
Bldg C - B1_Office 32	NO (-14%)	NO
Bldg C - B1_Office 33	NO (-15%)	NO
Bldg C - B1_Office 34	NO (-63%)	NO
Bldg C - B1_Office 35	NO (-13%)	NO
Bldg C - B1_Office 36	NO (-16%)	NO
Bldg C - B1_Office 37	NO (-63%)	NO
Bldg C - B1_Office 38	NO (-36%)	NO
Bldg C - B1_Office 39	NO (-91%)	NO
Bldg C - B1_Office 40	NO (-98%)	NO
Bldg C - B1_Office 41	NO (-98%)	NO
Bldg C - B1_Office 42	NO (-97%)	NO
Bldg C - B1_Office 43	NO (-81%)	NO
Bldg C - B1_Office 44	NO (-41%)	NO
Bldg C - B1_Office 45	NO (-36%)	NO
Bldg C - B1_Office 46	NO (-47%)	NO
Bldg C - B1_Office 47	NO (-95%)	NO
Bldg C - B1_Office 48	NO (-36%)	NO
Bldg C - B1_Office 49	NO (-15%)	NO
Bldg C - B1_Office 50	NO (-14%)	NO
Bldg C - B1_Office 51	NO (-15%)	NO
Bldg C - B1_Office 52	NO (-63%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
Bldg C - B1_Office 53	NO (-13%)	NO
Bldg C - B1_Office 54	NO (-16%)	NO
Bldg C - B1_Office 55	NO (-63%)	NO
Bldg C - B1_Office 56	NO (-36%)	NO
Bldg C - B1_Office 57	NO (-91%)	NO
Bldg C - B1_Office 58	NO (-98%)	NO
Bldg C - B1_Office 59	NO (-98%)	NO
Bldg C - B1_Office 60	NO (-96%)	NO
Bldg C - B1_Office 61	NO (-82%)	NO
Bldg C - B1_Office 62	NO (-39%)	NO
Bldg C - B1_Office 63	NO (-34%)	NO
Bldg C - B1_Office 64	NO (-47%)	NO
Bldg C - B1_Office 65	NO (-85%)	NO
Bldg C - B1_Office 66	NO (-95%)	NO
Bldg C - B1_Office 67	NO (-36%)	NO
Bldg C - B1_Office 68	NO (-74%)	NO
Bldg C - B1_Office 69	NO (-14%)	NO
Bldg C - B1_Office 70	NO (-14%)	NO
Bldg C - B1_Office 71	NO (-15%)	NO
Bldg C - B1_Office 72	NO (-62%)	NO
Bldg C - B1_Office 73	NO (-12%)	NO
Bldg C - B1_Office 74	NO (-16%)	NO
Bldg C - B1_Office 75	NO (-63%)	NO
Bldg C - B1_Office 76	NO (-35%)	NO
Bldg C - B1_Office 77	NO (-82%)	NO
Bldg C - B1_Office 78	NO (-47%)	NO
Bldg C - B1_Office 79	NO (-45%)	NO
Bldg C - B1_Office 80	NO (-38%)	NO
Bldg C - B1_Office 81	NO (-74%)	NO
Bldg C - B1_Office 82	NO (-37%)	NO
Bldg C - B1_Office 83	NO (-31%)	NO
Bldg C - B1_Office 84	NO (-15%)	NO
Bldg C - B1_Office 85	NO (-34%)	NO
Bldg C - B1_Office 86	NO (-31%)	NO
Bldg C - B1_Office 87	NO (-60%)	NO
Bldg C - B1_Office 88	NO (-11%)	NO
Bldg C - B1_Office 89	NO (-14%)	NO
Bldg C - B1_Office 90	NO (-15%)	NO
Bldg C - B1_Office 91	NO (-62%)	NO
Bldg C - B1_Office 92	NO (-12%)	NO
Bldg C - B1_Office 93	NO (-16%)	NO
Bldg C - B1_Office 94	NO (-63%)	NO
Bldg C - B1_Office 95	NO (-35%)	NO
Bldg C - B1_Office 96	NO (-82%)	NO
Bldg C - B1_Office 97	NO (-45%)	NO
Bldg C - B1_Office 98	NO (-47%)	NO
Bldg C - B1_Office 99	NO (-34%)	NO
Bldg C - B1_Office 100	NO (-73%)	NO
Bldg D - B1_Office 1	YES (+2%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
Bldg D - B1_Office 2	YES (+1%)	NO
Bldg D - B1_Office 3	NO (-25%)	NO
Bldg D - B1_Office 4	NO (-46%)	NO
Bldg D - B1_Office 5	NO (-38%)	NO
Bldg D - B1_Office 6	NO (-32%)	NO
Bldg D - B1_Office 7	NO (-15%)	NO
Bldg D - B1_Office 8	NO (-77%)	NO
Bldg D - B1_Office 9	YES (+1%)	NO
Bldg D - B1_Office 10	YES (+2%)	NO
Bldg D - B1_Office 11	NO (-29%)	NO
Bldg D - B1_Office 12	NO (-40%)	NO
Bldg D - B1_Office 13	NO (-31%)	NO
Bldg D - B1_Office 14	NO (-15%)	NO
Bldg D - B1_Office 15	NO (-72%)	NO
Bldg D - B1_Office 16	NO (-9%)	NO
Bldg D - B1_Office 17	YES (+1%)	NO
Bldg D - B1_Office 18	YES (+1%)	NO
Bldg D - B1_Office 19	NO (-29%)	NO
Bldg D - B1_Office 20	NO (-38%)	NO
Bldg D - B1_Office 21	NO (-31%)	NO
Bldg D - B1_Office 22	NO (-15%)	NO
Bldg D - B1_Office 23	NO (-73%)	NO
Bldg D - B1_Office 24	NO (-8%)	NO
Bldg D - B1_Office 25	YES (+1%)	NO
Bldg D - B1_Office 26	YES (+1%)	NO
Bldg D - B1_Office 27	NO (-29%)	NO
Bldg D - B1_Office 28	NO (-37%)	NO
Bldg D - B1_Office 29	NO (-31%)	NO
Bldg D - B1_Office 30	NO (-15%)	NO
Bldg D - B1_Office 31	NO (-73%)	NO
Bldg D - B1_Office 32	NO (-8%)	NO
Bldg D - B1_Office 33	YES (+1%)	NO
Bldg D - B1_Office 34	YES (+1%)	NO
Bldg D - B1_Office 35	NO (-29%)	NO
Bldg D - B1_Office 36	NO (-36%)	NO
Bldg D - B1_Office 37	NO (-31%)	NO
Bldg D - B1_Office 38	NO (-15%)	NO
Bldg D - B1_Office 39	NO (-73%)	NO
Bldg D - B1_Office 40	NO (-8%)	NO
Bldg D - B1_Office 41	YES (+1%)	NO
Bldg D - B1_Office 42	YES (+1%)	NO
Bldg D - B1_Office 43	NO (-29%)	NO
Bldg D - B1_Office 44	NO (-34%)	NO
Bldg D - B1_Office 45	NO (-31%)	NO
Bldg D - B1_Office 46	NO (-15%)	NO
Bldg D - B1_Office 47	NO (-72%)	NO
Bldg D - B1_Office 48	NO (-8%)	NO
Bldg D - B1_Office 49	YES (+1%)	NO
Bldg D - B1_Office 50	YES (+1%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
Bldg D - B1_Office 51	NO (-28%)	NO
Bldg D - B1_Office 52	NO (-32%)	NO
Bldg D - B1_Office 53	NO (-31%)	NO
Bldg D - B1_Office 54	NO (-15%)	NO
Bldg D - B1_Office 55	NO (-72%)	NO
Bldg D - B1_Office 56	NO (-8%)	NO
Bldg D - B1_Office 57	NO (-15%)	NO
Bldg D - B1_Office 58	NO (-30%)	NO
Bldg D - B1_Office 59	NO (-29%)	NO
Bldg D - B1_Office 60	NO (-28%)	NO
Bldg D - B1_Office 61	YES (+2%)	NO
Bldg D - B1_Office 62	YES (+1%)	NO
Bldg D - B1_Office 63	NO (-71%)	NO
Bldg D - B1_Office 64	NO (-8%)	NO
Bldg D - B1_Office 65	YES (+1%)	NO
Bldg D - B1_Office 66	YES (+2%)	NO
Bldg D - B1_Office 67	NO (-27%)	NO
Bldg D - B1_Office 68	NO (-27%)	NO
Bldg D - B1_Office 69	NO (-30%)	NO
Bldg D - B1_Office 70	NO (-15%)	NO
Bldg D - B1_Office 71	NO (-70%)	NO
Bldg D - B1_Office 72	NO (-8%)	NO
Bldg D - B1_Office 73	YES (+1%)	NO
Bldg D - B1_Office 74	YES (+2%)	NO
Bldg D - B1_Office 75	NO (-27%)	NO
Bldg D - B1_Office 76	NO (-26%)	NO
Bldg D - B1_Office 77	NO (-29%)	NO
Bldg D - B1_Office 78	NO (-15%)	NO
Bldg D - B1_Office 79	NO (-69%)	NO
Bldg D - B1_Office 80	NO (-8%)	NO
Bldg D - B1_Office 81	YES (+1%)	NO
Bldg D - B1_Office 82	YES (+2%)	NO
Bldg D - B1_Office 83	NO (-26%)	NO
Bldg D - B1_Office 84	NO (-25%)	NO
Bldg D - B1_Office 85	NO (-28%)	NO
Bldg D - B1_Office 86	NO (-15%)	NO
Bldg D - B1_Office 87	NO (-68%)	NO
Bldg D - B1_Office 88	NO (-7%)	NO
Bldg D - B1_Office 89	YES (+1%)	NO
Bldg D - B1_Office 90	YES (+2%)	NO
Bldg D - B1_Office 91	NO (-25%)	NO
Bldg D - B1_Office 92	NO (-24%)	NO
Bldg D - B1_Office 93	NO (-27%)	NO
Bldg D - B1_Office 94	NO (-15%)	NO
Bldg D - B1_Office 95	NO (-68%)	NO
Bldg D - B1_Office 96	NO (-8%)	NO
Bldg D - B1_Office 97	YES (+2%)	NO
Bldg D - B1_Office 98	YES (+2%)	NO
Bldg D - B1_Office 99	NO (-19%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
Bldg D - B1_Office 100	NO (-32%)	NO
Bldg A - B1_Office 101	NO (-12%)	NO
Bldg A - B1_Office 102	NO (-27%)	NO
Bldg A - B1_Office 103	NO (-22%)	NO
Bldg A - B1_Office 104	NO (-54%)	NO
Bldg A - B1_Office 105	NO (-65%)	NO
Bldg A - B1_Office 106	YES (+4%)	NO
Bldg A - B1_Office 107	NO (-16%)	NO
Bldg A - B1_Office 108	NO (-16%)	NO
Bldg A - B1_Office 109	NO (-36%)	NO
Bldg A - B1_Office 110	NO (-32%)	NO
Bldg A - B1_Office 111	NO (-29%)	NO
Bldg A - B1_Office 112	NO (-14%)	NO
Bldg A - B1_Office 113	NO (-20%)	NO
Bldg A - B1_Office 114	YES (+18%)	NO
Bldg A - B1_Office 115	NO (-66%)	NO
Bldg A - B1_Office 116	NO (-56%)	NO
Bldg A - B1_Office 117	YES (+7%)	NO
Bldg A - B1_Office 118	NO (-28%)	NO
Bldg A - B1_Office 119	NO (-23%)	NO
Bldg A - B1_Office 120	NO (-27%)	NO
Bldg A - B1_Office 121	NO (-12%)	NO
Bldg A - B1_Office 122	NO (-28%)	NO
Bldg A - B1_Office 123	NO (-6%)	NO
Bldg A - B1_Office 124	NO (-24%)	NO
Bldg A - B1_Office 125	NO (-19%)	NO
Bldg A - B1_Office 126	NO (-54%)	NO
Bldg A - B1_Office 127	NO (-64%)	NO
Bldg A - B1_Office 128	YES (+7%)	NO
Bldg A - B1_Office 129	NO (-14%)	NO
Bldg A - B1_Office 130	NO (-11%)	NO
Bldg A - B1_Office 131	NO (-32%)	NO
Bldg A - B1_Office 132	NO (-27%)	NO
Bldg A - B1_Office 133	NO (-27%)	NO
Bldg A - B1_Office 134	NO (-13%)	NO
Bldg A - B1_Office 135	NO (-20%)	NO
Bldg A - B1_Office 136	YES (+18%)	NO
Bldg A - B1_Office 137	NO (-62%)	NO
Bldg A - B1_Office 138	NO (-55%)	NO
Bldg A - B1_Office 139	YES (+9%)	NO
Bldg A - B1_Office 140	NO (-12%)	NO
Bldg A - B1_Office 141	NO (-8%)	NO
Bldg A - B1_Office 142	NO (-30%)	NO
Bldg A - B1_Office 143	NO (-26%)	NO
Bldg A - B1_Office 144	NO (-27%)	NO
Bldg A - B1_Office 145	NO (-12%)	NO
Bldg A - B1_Office 146	NO (-20%)	NO
Bldg A - B1_Office 147	YES (+18%)	NO
Bldg A - B1_Office 148	NO (-59%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
Bldg A - B1_Office 149	NO (-55%)	NO
Bldg A - B1_Office 150	YES (+11%)	NO
Bldg A - B1_Office 151	NO (-10%)	NO
Bldg A - B1_Office 152	NO (-4%)	NO
Bldg A - B1_Office 153	NO (-28%)	NO
Bldg A - B1_Office 154	NO (-25%)	NO
Bldg A - B1_Office 155	NO (-27%)	NO
Bldg A - B1_Office 156	NO (-12%)	NO
Bldg A - B1_Office 157	NO (-20%)	NO
Bldg A - B1_Office 158	YES (+18%)	NO
Bldg A - B1_Office 159	NO (-57%)	NO
Bldg A - B1_Office 160	NO (-55%)	NO
Bldg B - B1_Office 101	NO (-31%)	NO
Bldg B - B1_Office 102	NO (-59%)	NO
Bldg B - B1_Office 103	YES (+3%)	NO
Bldg B - B1_Office 104	NO (-26%)	NO
Bldg B - B1_Office 105	NO (-26%)	NO
Bldg B - B1_Office 106	NO (-67%)	NO
Bldg B - B1_Office 107	NO (-18%)	NO
Bldg B - B1_Office 108	NO (-12%)	NO
Bldg B - B1_Office 109	NO (-12%)	NO
Bldg B - B1_Office 110	NO (-62%)	NO
Bldg B - B1_Office 111	NO (-13%)	NO
Bldg B - B1_Office 112	NO (-15%)	NO
Bldg B - B1_Office 113	NO (-35%)	NO
Bldg B - B1_Office 114	NO (-80%)	NO
Bldg B - B1_Office 115	NO (-47%)	NO
Bldg B - B1_Office 116	NO (-44%)	NO
Bldg B - B1_Office 117	YES (+3%)	NO
Bldg B - B1_Office 118	NO (-30%)	NO
Bldg B - B1_Office 119	NO (-26%)	NO
Bldg B - B1_Office 120	NO (-12%)	NO
Bldg B - B1_Office 121	NO (-24%)	NO
Bldg B - B1_Office 122	NO (-69%)	NO
Bldg B - B1_Office 123	NO (-10%)	NO
Bldg B - B1_Office 124	NO (-12%)	NO
Bldg B - B1_Office 125	NO (-11%)	NO
Bldg B - B1_Office 126	NO (-62%)	NO
Bldg B - B1_Office 127	NO (-11%)	NO
Bldg B - B1_Office 128	NO (-15%)	NO
Bldg B - B1_Office 129	NO (-33%)	NO
Bldg B - B1_Office 130	NO (-80%)	NO
Bldg B - B1_Office 131	NO (-46%)	NO
Bldg B - B1_Office 132	NO (-44%)	NO
Bldg B - B1_Office 133	NO (-27%)	NO
Bldg B - B1_Office 134	NO (-21%)	NO
Bldg B - B1_Office 135	NO (-65%)	NO
Bldg B - B1_Office 136	NO (-2%)	NO
Bldg B - B1_Office 137	NO (-9%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
Bldg B - B1_Office 138	NO (-10%)	NO
Bldg B - B1_Office 139	NO (-61%)	NO
Bldg B - B1_Office 140	YES (+20%)	NO
Bldg B - B1_Office 141	NO (-13%)	NO
Bldg B - B1_Office 142	NO (-15%)	NO
Bldg B - B1_Office 143	NO (-31%)	NO
Bldg B - B1_Office 144	NO (-79%)	NO
Bldg B - B1_Office 145	NO (-43%)	NO
Bldg B - B1_Office 146	NO (-42%)	NO
Bldg B - B1_Office 147	NO (-27%)	NO
Bldg B - B1_Office 148	NO (-20%)	NO
Bldg B - B1_Office 149	NO (-63%)	NO
Bldg B - B1_Office 150	NO (-3%)	NO
Bldg B - B1_Office 151	NO (-8%)	NO
Bldg B - B1_Office 152	NO (-7%)	NO
Bldg B - B1_Office 153	NO (-9%)	NO
Bldg B - B1_Office 154	NO (-54%)	NO
Bldg B - B1_Office 155	NO (-27%)	NO
Bldg B - B1_Office 156	NO (-20%)	NO
Bldg B - B1_Office 157	NO (-62%)	NO
Bldg B - B1_Office 158	NO (-2%)	NO
Bldg B - B1_Office 159	NO (-8%)	NO
Bldg B - B1_Office 160	NO (-6%)	NO
Bldg B - B1_Office 161	NO (-7%)	NO
Bldg B - B1_Office 162	NO (-53%)	NO
Bldg B - B1_Office 163	NO (-27%)	NO
Bldg B - B1_Office 164	NO (-20%)	NO
Bldg B - B1_Office 165	NO (-62%)	NO
Bldg B - B1_Office 166	NO (-2%)	NO
Bldg B - B1_Office 167	NO (-8%)	NO
Bldg B - B1_Office 168	NO (-6%)	NO
Bldg B - B1_Office 169	NO (-7%)	NO
Bldg B - B1_Office 170	NO (-53%)	NO
Bldg B - B1_Office 171	NO (-27%)	NO
Bldg B - B1_Office 172	NO (-20%)	NO
Bldg B - B1_Office 173	NO (-62%)	NO
Bldg B - B1_Office 174	NO (-2%)	NO
Bldg B - B1_Office 175	NO (-8%)	NO
Bldg B - B1_Office 176	NO (-5%)	NO
Bldg B - B1_Office 177	NO (-6%)	NO
Bldg B - B1_Office 178	NO (-52%)	NO
Bldg C - B1_Office 101	NO (-34%)	NO
Bldg C - B1_Office 102	NO (-29%)	NO
Bldg C - B1_Office 103	NO (-7%)	NO
Bldg C - B1_Office 104	NO (-31%)	NO
Bldg C - B1_Office 105	NO (-33%)	NO
Bldg C - B1_Office 106	NO (-11%)	NO
Bldg C - B1_Office 107	NO (-60%)	NO
Bldg C - B1_Office 108	NO (-15%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
Bldg C - B1_Office 109	NO (-14%)	NO
Bldg C - B1_Office 110	NO (-62%)	NO
Bldg C - B1_Office 111	NO (-12%)	NO
Bldg C - B1_Office 112	NO (-16%)	NO
Bldg C - B1_Office 113	NO (-63%)	NO
Bldg C - B1_Office 114	NO (-35%)	NO
Bldg C - B1_Office 115	NO (-82%)	NO
Bldg C - B1_Office 116	NO (-47%)	NO
Bldg C - B1_Office 117	NO (-45%)	NO
Bldg C - B1_Office 118	NO (-29%)	NO
Bldg C - B1_Office 119	NO (-70%)	NO
Bldg C - B1_Office 120	NO (-31%)	NO
Bldg C - B1_Office 121	NO (-27%)	NO
Bldg C - B1_Office 122	NO (-2%)	NO
Bldg C - B1_Office 123	NO (-30%)	NO
Bldg C - B1_Office 124	NO (-33%)	NO
Bldg C - B1_Office 125	NO (-8%)	NO
Bldg C - B1_Office 126	NO (-60%)	NO
Bldg C - B1_Office 127	NO (-11%)	NO
Bldg C - B1_Office 128	NO (-15%)	NO
Bldg C - B1_Office 129	NO (-61%)	NO
Bldg C - B1_Office 130	NO (-11%)	NO
Bldg C - B1_Office 131	NO (-16%)	NO
Bldg C - B1_Office 132	NO (-63%)	NO
Bldg C - B1_Office 133	NO (-34%)	NO
Bldg C - B1_Office 134	NO (-82%)	NO
Bldg C - B1_Office 135	NO (-44%)	NO
Bldg C - B1_Office 136	NO (-47%)	NO
Bldg C - B1_Office 137	NO (-23%)	NO
Bldg C - B1_Office 138	NO (-71%)	NO
Bldg C - B1_Office 139	NO (-27%)	NO
Bldg C - B1_Office 140	NO (-31%)	NO
Bldg C - B1_Office 141	NO (-9%)	NO
Bldg C - B1_Office 142	NO (-14%)	NO
Bldg C - B1_Office 143	NO (-60%)	NO
Bldg C - B1_Office 144	NO (-9%)	NO
Bldg C - B1_Office 145	NO (-16%)	NO
Bldg C - B1_Office 146	NO (-63%)	NO
Bldg C - B1_Office 147	NO (-32%)	NO
Bldg C - B1_Office 148	NO (-82%)	NO
Bldg C - B1_Office 149	NO (-44%)	NO
Bldg C - B1_Office 150	NO (-47%)	NO
Bldg C - B1_Office 151	NO (-15%)	NO
Bldg C - B1_Office 152	NO (-69%)	NO
Bldg C - B1_Office 153	NO (-26%)	NO
Bldg C - B1_Office 154	NO (-28%)	NO
Bldg C - B1_Office 155	NO (-9%)	NO
Bldg C - B1_Office 156	NO (-13%)	NO
Bldg C - B1_Office 157	NO (-61%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
Bldg C - B1_Office 158	YES (+28%)	NO
Bldg C - B1_Office 159	NO (-14%)	NO
Bldg C - B1_Office 160	NO (-16%)	NO
Bldg C - B1_Office 161	NO (-61%)	NO
Bldg C - B1_Office 162	NO (-27%)	NO
Bldg C - B1_Office 163	NO (-81%)	NO
Bldg C - B1_Office 164	NO (-41%)	NO
Bldg C - B1_Office 165	NO (-43%)	NO
Bldg C - B1_Office 166	NO (-8%)	NO
Bldg C - B1_Office 167	NO (-66%)	NO
Bldg C - B1_Office 168	NO (-24%)	NO
Bldg C - B1_Office 169	NO (-27%)	NO
Bldg C - B1_Office 170	NO (-7%)	NO
Bldg C - B1_Office 171	NO (-9%)	NO
Bldg C - B1_Office 172	NO (-55%)	NO
Bldg C - B1_Office 173	NO (-10%)	NO
Bldg C - B1_Office 174	NO (-6%)	NO
Bldg C - B1_Office 175	NO (-63%)	NO
Bldg C - B1_Office 176	NO (-22%)	NO
Bldg C - B1_Office 177	NO (-26%)	NO
Bldg C - B1_Office 178	NO (-7%)	NO
Bldg C - B1_Office 179	NO (-8%)	NO
Bldg C - B1_Office 180	NO (-8%)	NO
Bldg C - B1_Office 181	NO (-55%)	NO
Bldg C - B1_Office 182	NO (-6%)	NO
Bldg C - B1_Office 183	NO (-62%)	NO
Bldg C - B1_Office 184	NO (-21%)	NO
Bldg C - B1_Office 185	NO (-25%)	NO
Bldg C - B1_Office 186	NO (-7%)	NO
Bldg C - B1_Office 187	NO (-8%)	NO
Bldg C - B1_Office 188	NO (-7%)	NO
Bldg C - B1_Office 189	NO (-55%)	NO
Bldg C - B1_Office 190	NO (-21%)	NO
Bldg C - B1_Office 191	NO (-62%)	NO
Bldg C - B1_Office 192	NO (-5%)	NO
Bldg C - B1_Office 193	NO (-25%)	NO
Bldg C - B1_Office 194	NO (-7%)	NO
Bldg C - B1_Office 195	NO (-8%)	NO
Bldg C - B1_Office 196	NO (-5%)	NO
Bldg C - B1_Office 197	NO (-55%)	NO
Bldg C - B1_Office 198	NO (-4%)	NO
Bldg C - B1_Office 199	NO (-62%)	NO
Bldg C - B1_Office 200	NO (-21%)	NO
Bldg C - B1_Office 201	NO (-25%)	NO
Bldg D - B1_Office 101	NO (-12%)	NO
Bldg D - B1_Office 102	NO (-60%)	NO
Bldg D - B1_Office 103	YES (+2%)	NO
Bldg D - B1_Office 104	YES (+2%)	NO
Bldg D - B1_Office 105	NO (-19%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
Bldg D - B1_Office 106	NO (-31%)	NO
Bldg D - B1_Office 107	NO (-13%)	NO
Bldg D - B1_Office 108	NO (-61%)	NO
Bldg D - B1_Office 109	YES (+2%)	NO
Bldg D - B1_Office 110	YES (+2%)	NO
Bldg D - B1_Office 111	NO (-19%)	NO
Bldg D - B1_Office 112	NO (-31%)	NO
Bldg D - B1_Office 113	NO (-13%)	NO
Bldg D - B1_Office 114	NO (-61%)	NO
Bldg D - B1_Office 115	YES (+2%)	NO
Bldg D - B1_Office 116	YES (+2%)	NO
Bldg D - B1_Office 117	NO (-19%)	NO
Bldg D - B1_Office 118	NO (-31%)	NO
Bldg D - B1_Office 119	NO (-13%)	NO
Bldg D - B1_Office 120	NO (-61%)	NO
Bldg D - B1_Office 121	YES (+2%)	NO
Bldg D - B1_Office 122	YES (+2%)	NO
Bldg D - B1_Office 123	NO (-19%)	NO
Bldg D - B1_Office 124	NO (-31%)	NO
Bldg D - B1_Office 125	NO (-13%)	NO
Bldg D - B1_Office 126	NO (-61%)	NO
Bldg D - B1_Office 127	YES (+2%)	NO
Bldg D - B1_Office 128	YES (+2%)	NO
Bldg D - B1_Office 129	NO (-19%)	NO
Bldg D - B1_Office 130	NO (-31%)	NO
Bldg D - B1_Office 131	NO (-13%)	NO
Bldg D - B1_Office 132	NO (-61%)	NO
Bldg D - B1_Office 133	YES (+2%)	NO
Bldg D - B1_Office 134	YES (+2%)	NO
Bldg D - B1_Office 135	NO (-19%)	NO
Bldg D - B1_Office 136	NO (-31%)	NO
Bldg D - B1_Office 137	NO (-13%)	NO
Bldg D - B1_Office 138	NO (-61%)	NO
Bldg D - B1_Office 139	YES (+2%)	NO
Bldg D - B1_Office 140	YES (+2%)	NO
Bldg D - B1_Office 141	NO (-19%)	NO
Bldg D - B1_Office 142	NO (-31%)	NO
Bldg D - B1_Office 143	NO (-13%)	NO
Bldg D - B1_Office 144	NO (-61%)	NO
Bldg D - B1_Office 145	YES (+2%)	NO
Bldg D - B1_Office 146	YES (+2%)	NO
Bldg D - B1_Office 147	NO (-19%)	NO
Bldg D - B1_Office 148	NO (-31%)	NO
Bldg D - B1_Office 149	NO (-13%)	NO
Bldg D - B1_Office 150	NO (-61%)	NO
Bldg D - B1_Office 151	YES (+2%)	NO
Bldg D - B1_Office 152	YES (+2%)	NO
Bldg D - B1_Office 153	NO (-19%)	NO
Bldg D - B1_Office 154	NO (-31%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
Bldg D - B1_Office 155	NO (-13%)	NO
Bldg D - B1_Office 156	NO (-61%)	NO
Bldg D - B1_Office 157	YES (+2%)	NO
Bldg D - B1_Office 158	YES (+2%)	NO
Bldg D - B1_Office 159	NO (-19%)	NO
Bldg D - B1_Office 160	NO (-30%)	NO
Bldg D - B1_Office 161	NO (-12%)	NO
Bldg D - B1_Office 162	NO (-61%)	NO

Criterion 4: The performance of the building, as built, should be consistent with the calculated BER

Separate submission

Criterion 5: The necessary provisions for enabling energy-efficient operation of the building should be in place

Separate submission

EPBD (Recast): Consideration of 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