

Daylight & Sunlight Assessments of a Residential Development at Elmfield, Ninth Lock Road, Clondalkin, Co. Dublin.

Document 1 of 2

Applicant: Thornmeadow Developments Limited

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1. Introduction

1.1 Executive Summary

This project is a proposed large scale development at lands on Oakfield Rd, Clondalkin, Co. Dublin. This report assesses the impact of the proposed development for Daylight and Sunlight on the neighbouring buildings and the quality of daylight and sunlight within the proposed development. This analysis is carried out based on the drawings of O'Mahony Pike Architects.

This report has been prepared by Ann Canning, an architect with a masters in energy retrofit technologies and a member of the Royal Institute of Architects of Ireland. Ann is an architect with in excess of 20 year experience, and a daylight and sunlight consultant for 7 years. She has worked on an extensive list of projects over the years varying in scale and location from restricted city sites to rural areas, throughout Ireland.

1.2 Assessment of Potential Impact to Daylight and Sunlight Availability on Neighbouring Properties

1.2.1 Daylight to Neighbouring Properties

Analysis demonstrated in Section 3 shows that there will be a minor to negligible reduction in daylight in neighbouring properties. The proposed development meets the recommendations for daylight in the BRE guidelines BR209:2022.

1.2.2 Sunlight to Neighbouring Properties

Analysis demonstrated in Section 4 shows that there will be a negligible reduction in sunlight in neighbouring dwellings. Analysis demonstrated in Section 5 shows that there will be a negligible reduction in sunlight in neighbouring amenity spaces. The proposed development meets the recommendations for sunlight in the BRE guidelines BR209:2022.

1.3 Assessment of the Quality of Daylight and Sunlight within the Proposed Development

The residential units were designed in line with the recommendations of the BRE guidelines BR209:2022. The guidelines clearly state that the targets are recommendations only and flexibility is required when setting and interpreting the targets.

The BRE guidelines BR209:2022 recommends assessment methods set out in BS EN 17037 for daylight provision. BS EN 17037 contains a National Annex which sets out minimum daylight levels to be achieved in the UK and Channel Islands. Ireland has a similar latitude and climate to the UK. The UK annex to BS EN 17037 states that the target values set out in EN 17037 Table A1 may be hard to achieve in the UK, it sets alternative minimum values for rooms to dwellings. The minimum illuminance levels set out in BS EN17037:2018+A1:2021 are: Kitchens and living spaces containing a kitchen 200lux (1.3%DF). Living rooms 150lux (1%DF) and bedrooms 100lux (DF0.7%).

The levels set out in the UK annex are used in this assessment, as the primary results to be achieved, because these are referenced in the BRE guidelines BR209:2022, as recommended by the local authority. The BRE guidelines BR209:2022 deals with daylight and sunlight to neighbouring properties and defers to BS EN17037:2018+A1:2021 for daylight and sunlight within the proposed development and allows for a complete assessment of the proposed development and its surroundings. The BRE guidelines BR209:2022 presents a discussion on aspects of daylight and sunlight and interpreting the results of these assessments.

IS EN17037:2018 does not set out any guidance for assessing the impact to daylight and sunlight from a proposed development on neighbouring buildings nor is there any Irish governmental guidance on interpreting results and percentages of units to achieve the target results in multi unit developments. IS EN17037:2018 does not set out room use specific targets but instead designates a Minimum and Target lux level to be achieved in all rooms regardless of use. The function of a room historically has been the key factor in informing the design of a building and the window sizes to allow adequate daylight levels for the task typical to that room to be achieved. The lack of variance in target levels for the tasks typical to a room can lead to substantially oversized windows in rooms with a lower requirement for daylight levels, for example bedrooms. The aim to achieve the minimum target lux level to all rooms in a multi unit residential building is not practical and could lead to overheating of units that have greater access to the sky and sunlight. This could also lead to higher energy usage due to oversized windows and a balance needs to be met.

The results for the Minimum and Target levels set out in Table A1 in IS EN17037:2018 are presented in the assessment as supplementary for completeness, however, conclusions can not be made due to lack of clear guidance on interpenetration of results.

1.3.1 Assessment of Daylight in Accordance with BR209:2022 and BS EN 17037:2018+A1:2021

99.9% of the habitable rooms within the proposed development achieve the target values set out in BS EN 17037:2018+A1:2021 Table NA1. These are the minimum values, per specified use, to be achieved in habitable rooms and meets the recommendations of the BRE guidelines BR209:2022.

In the 951 no. habitable rooms assessed, one LKD falls marginally below the recommended 50% sDA, at 46.6%. Compensatory measures are itemised in Section 1.5 below.

1.3.2 Sunlight within the Proposed Development

This scheme is well designed for sunlight, with This scheme is well designed for sunlight, with 76.2% of units meeting the minimum recommended 1.5 direct sunlight hours. This is in line with the BRE guideline example for an apartment layout where 4 in 5 achieves the target sunlight hours.

This are a variety of public and communal open spaces provided in this development. There is a large central area of public open space. It's position is constrained by route of electrical supply cables and pylons. The north side of the central access road provides a cycle route and pedestrian connection to the existing neighbouring housing estate. The area weighted average to these areas meets the recommendations of the BRE guidelines BR209:2022.

While there are some areas which in themselves do not have high levels of sunlight, each block has an area of communal open space with high levels of sunlight. Overall, the proposed development meets the recommendations for sunlight in the BRE guidelines BR209:2022.

1.4 Supplementary Information - Assessment of Daylight in Accordance with IS EN 17037:2018+A1:2021

To date there is no guidance from governmental bodies on the use or interpretation of IS EN 17037:2018+A1:2021. National policy documents and local authorities guidelines refer to the BRE guidelines BR209 2022, which in turn references BS EN 17037.

BS EN 17037:2018 is the same as IS EN 17037:2018; the difference is in the annex. The UK annex gives room specific values for dwellings. The assessment against IS EN 17037:2018+A1:2021 is included as supplementary information only; the levels are for any type of building; they do not take into account room use or make allowance for rooms that have a lesser requirement for daylight. Due to this limitation, it is considered the recommendations made in the BRE guidelines BR209:2022 and are more appropriate.

IS EN 17037:2018+A1:2021 sets out values for target illuminance, minimum target illuminance and fractions of reference plane to be achieved. The results of this assessment indicate a high level of daylight provision, with 98.3% of rooms achieving Minimum Illuminance and 89.6% achieving Target Illuminance. The rooms will be bright and pleasant spaces. Appendix B identifies any rooms which do not achieve minimum illuminance and target illuminance levels.

1.5 Conclusions & Compensatory Measures

Overall the design team worked in response to the context to ensure the proposed development performs with regards to achieving the best possible daylight and sunlight quality. 99.9% of habitable rooms meet the minimum standard for daylight provision as per BS EN 17037:2018+A1:2021 as referred to in the BRE guidelines BR209:2022. In the 951 no. habitable rooms assessed, one LKD falls marginally below the recommended 50% sDA, at 46.6%. It is noted that where a scheme cannot fully meet all of the daylight / sunlight recommendations, that a degree of flexibility is allowed for, as recognised in Section 3.2 of the Urban Development and Building Heights: Guidelines for Planning Authorities (2018) which states:

“Where a proposal may not be able to fully meet all the requirements of the daylight provisions above, this must be clearly identified and a rationale for any alternative, compensatory design solutions must be set out, in respect of which the planning authority or An Bord Pleanála should apply their discretion, having regard to local factors including specific site constraints and the balancing of that assessment against the desirability of achieving wider planning objectives. Such objectives might include securing comprehensive urban regeneration and or an effective urban design and streetscape solution.”

The Sustainable Residential Development and Compact Settlements Guidelines for Planning Authorities identify that the provision of acceptable levels of daylight in new residential developments is an important planning consideration. They also acknowledge that consideration of acceptable levels of daylight on scheme may need to be considered in the context of other important development considerations at a site, in particular achieving increased scales of development in urban locations. It states:

“In drawing conclusions in relation to daylight performance, planning authorities must weigh up the overall quality of the design and layout of the scheme and the measures proposed to maximise daylight provision, against the location of the site and the general presumption in favour of increased scales of urban residential development. Poor performance may arise due to design constraints associated with the site or location and there is a need to balance that assessment against the desirability of achieving wider planning objectives. Such objectives might include securing comprehensive urban regeneration and or an effective urban design and streetscape solution.”

Compensatory Measures				
Block 2B	Room Use	Daylight Provision	Target	Compensatory Measures
2B-00-06.1	LKD	46.6%	50%	This apartment is larger, at 46.3 sq.m than the minimum floor area required (43sq.m), as set out in the Apartment Guidelines. It will provide an improved living space for future residents.
				The floor-to-ceiling height is significantly higher (3m) than the minimum (2.7m) thus providing a more inviting and comfortable living space and sense of “air”.

Table 1: Unit Specific Compensatory Measures

Across the whole development, it should be noted that the Communal Open Space provided is above the minimum area required. Overall, this is a centrally located urban brownfield site and the design seeks to provide appropriate density, to make best use of a zoned and serviced town centre site, while still providing high-quality apartments.

The site has some constraints as a town centre and brownfield urban infill site. There are existing overhead power lines, which must be retained and require a 46 metre set-back on either side, which limits the flexibility of design on the site.

The design has had regard to the recently adopted Clondalkin Local Planning Framework in terms of permeability and location of green spaces.

2. Methodology

2.1 Standards and Guidelines

Ministerial guidance is provided in Sustainable Residential Development and Compact Settlements: Guidelines for Planning Authorities (2024) Section 5.3.7(b).

"In cases where a technical assessment of daylight performance is considered by the planning authority to be necessary regard should be had to quantitative performance approaches to daylight provision outlined in guides like A New European Standard for Daylighting in Buildings IS EN17037:2018, UK National Annex BS EN17037:2019 and the associated BRE Guide 209 2022 Edition (June 2022), or any relevant future standards or guidance specific to the Irish context."

The Daylight and Sunlight assessments included in this report demonstrates the level of compliance with these three documents:

- BR209:2022 Site Layout Planning for Daylight and Sunlight (third edition), also referred to as the BRE guidelines.
- BS EN 17037:2018+A1:2021 Daylight in Buildings, also referred to as the UK Annex.
- IS EN 17037:2018+A1:2021 Daylight in Buildings.

2.2 BRE Guidance Document BR209:2022 Site Layout Planning for Daylight and Sunlight (third edition)

In its opening summary, the BRE guidelines BR209:2022 states that the report *"is purely advisory and the numerical target values within it may be varied to meet the needs of the development and its location."* The recommendations of the BRE guidelines BR209:2022 are not suitable for rigid application to all developments in all contexts. This is of particular importance in the context of national and local policies for the consolidation and densification of urban areas.

The BRE guidelines BR209:2022 sets out the assessment metrics to be applied when assessing the potential impact of a development on the daylight and sunlight of neighbouring properties. This is broadly in line with the previous version of the BRE guidelines (2011). The metrics for assessing impact to neighbouring buildings for Daylight is the Vertical Sky Component (VSC) and Sunlight is the Annual Probable Sunlight Hours (APSH). Sunlight to neighbouring amenity space is assessed through the measurement of sunlight availability on the 21st March and the plotting of shadow diagrams.

When assessing the quality of interior spaces in proposed developments, the BRE guidelines BR209:2022 Appendix C states; *"The guidance contained in this publication is intended to be used with BS EN 17037 and its UK National Annex."* The BRE guidelines BR209:2022 also states in Section 1.7 that *"The guidance here is intended for use in the United Kingdom and in the Republic of Ireland, though recommendations in the Irish Standard IS EN 17037 may vary from those in BS EN17037."*

2.3 Daylight in Buildings EN 17037:2018

EN 17037 is a unified daylighting standard published by the European Committee for Standardization (CEN) in 2018. It is applicable across all countries within the EU including Ireland, with the Irish edition IS EN17037:2018. The standard is enacted in Britain under BS EN 17037:2018+A1:2021 with a UK National Annex for regional assessments. The daylight and sunlight assessment methods for internal daylight and sunlight provision are common to both the Irish standard and the UK version. The EN17037:2018 standard deals exclusively with new developments and does not give guidance or metrics on loss of light or sunlight to existing properties.

The UK National Annex (NA) provides further recommendations for daylight provision in the UK and Channel Islands. The annex states that the daylight target levels in EN 17037:2018 Clause A.2 may be hard to achieve in buildings in the UK, in particular dwellings in urban areas with significant obstructions or tall trees outside. The UK annex sets out minimum daylight provision to be achieved in UK dwellings. Table NA.1 sets out room specific minimum values to be achieved in the UK and Channel Islands. All the rooms achieve the minimum DF factor levels set out in A1 for Bedrooms (DF0.7%), Living Rooms (1%DF) and Kitchens and Living Spaces containing a Kitchen(1.3%). The Daylight Factor percentage values are derived from minimum room specific illuminance levels set out in NA+1 and the Median External Diffuse Illuminance ($E_{v,d,med}$) for Dublin from Table A.3 EN17037:2018. The illuminance levels and corresponding DF% are given in Table 5 below.

2.4 Daylight to Existing Buildings

BRE guidelines BR209:2022 Section 2.2.2 sets out which rooms need to be assessed for daylight.

"The guidelines here are intended for use for rooms in adjoining dwellings where daylight is required, including living rooms, kitchens and bedrooms. Windows to bathrooms, toilets, storerooms, circulation areas and garages need not be analysed. The guidelines may also be applied to any existing non-domestic building where the occupants have a reasonable expectation of daylight; this would normally include schools, hospitals, hotels and hostels, small workshops and some offices."

A proposed development could potentially have a negative effect on the level of daylight that a neighbouring property receives, if the obstructing building is large in relation to its distance from the existing dwelling. BRE guidelines BR209:2022 Section 2.2.4 states that *"Loss of light to existing windows need not be assessed if the distance of each part of the new development from the existing window is three or more times its height above the centre of the existing window."* In this report, we refer to this as the 'zone of influence'.

BRE guidelines BR209:2022 Section 2.2.23 states; *“If any part of a new building or extension, measured in a vertical section perpendicular to a main window wall of an existing building, from the centre of the lowest window, subtends an angle of more than 25° to the horizontal, then the diffuse daylighting of the existing building may be adversely affected.”*

If a window falls within a 45° angle both in plan and elevation with a new development in place, the window may be affected and should be assessed.

For loss of daylight the BRE guidelines BR209:2022 recommends calculation of the Vertical Sky Component. VSC can be defined as the amount of skylight that falls on a vertical window. It is the ratio of direct sky illuminance falling on the outside window, to the simultaneous horizontal illuminance under an unobstructed sky. The standard CIE Overcast Sky is used; the ratio is usually expressed as a percentage. The maximum value is just under 40% for a completely unobstructed vertical wall. The VSC of a window is a good measure of the amount of daylight entering it.

The BRE guidelines BR209:2022 recommend one of two criteria is met when assessing for the Vertical Sky Component;

- a) Where the Vertical Sky Component at the centre of the existing window exceeds 27% with the new development in place then enough sky light should still be reached by the existing window.
- b) Where the Vertical Sky Component with the new development in place is both less than 27% and less than 0.8 times its former value, then the area lit by the window is likely to appear more gloomy, and electric light will be needed more of the time.

The BRE guidelines BR209:2022 state that if the VSC is:

- At least 27%, then conventional window design will usually give reasonable results;
- Between 15% and 27%, then special measures (larger windows, changes to room layout) are usually needed to provide adequate daylight;
- Between 5% and 15%, then it is very difficult to prove adequate daylight unless very large windows are used;
- Less than 5%, then it is often impossible to achieve reasonable daylight, even if the whole window wall is glazed

This report assesses the percentage of direct sky illuminance that falls on the centre point of neighbouring windows that could be affected by the proposed development through the Vertical Sky Component (VSC) as per the methodologies contained in the BRE guidelines BR209:2022.

2.5 Sunlight to Existing Buildings

The BRE guidelines BR209:2022 recommend assessing the main living rooms and conservatories if they have a window wall facing within 90° of due south. Kitchens and bedrooms are less important but care should be taken not to block too much sun. If the proposed development is fully north of the existing window then sunlight need not be assessed.

The Annual Probable Sunlight Hours (APSH) is used to assess the quantity of sunlight for a given location. This is the total amount of sunshine for a given location on an unobstructed horizontal surface taking cloud cover into account. Statistical data from the Irish Meteorological Service is used to assess the APSH and the Winter Probable Sunlight Hours (taken to fall between the 21st of September and the 21st of March).

Table 2 below shows the average sunlight hours for each month and the maximum possible without any cloud cover. This gives the factor of possible sunlight hours for each month.

Met Éireann Sunlight Hours Data Set 1991-2020													
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Average Sunlight Hours/ Day	1:54	2:54	3:42	5:24	6:24	6:00	5:17	5:00	4:24	3:24	2:24	1:42	
Average Sunlight Hours/ Month	58:54	81:12	114:42	162:00	198:24	180:00	163:47	155:00	132:00	105:24	72:00	52:42	1449.1
Total Available Sunlight Hours	252	265	358	412	483	485	496	451	375	320	250	236	4383
Probable Sunlight Hours Ratio	23.4%	30.6%	32.9%	39.3%	41.1%	37.1%	33.0%	34.4%	35.2%	32.9%	16.8%	22.3%	33.1%

Table 2: Average monthly sunlight hours recorded at Dublin Airport - Data set 1991-2020

The BRE guidelines BR209:2022 recommend that the centre of a window or 1.6m above ground for a door be assessed and it should receive at least 25% of the APSH and it should receive at least 5% WPSH. If the available APSH is less than this, then it should not be reduced below 0.8 times its former value or noticeable loss of sunlight may occur.

2.6 Sunlight to Gardens and Open Spaces

For calculations of sunlight analysis it is general practice to use March 21st. The BRE guidelines BR209:2022 states:

“It is recommended that for it to appear adequately sunlit throughout the year, at least half of a garden or amenity area should receive at least two hours of sunlight on 21 March. If as a result of new development an existing garden or amenity area does not meet the above, and the area which can receive two hours of sun on 21 March is less than 0.8 times its former value, then the loss of sunlight is likely to be noticeable. If a detailed calculation cannot be carried out, it is recommended that the centre of the area should receive at least two hours of sunlight on 21 March.”

2.7 BRE guidelines BR209:2022 Appendix G: Calculations of Trees & Hedges

Trees are not usually included in the assessments of impact on neighbouring properties, unless specified otherwise. In relation to the effects of trees and hedges the BRE guidelines BR209:2022 Section G1.2 states;

“It is generally more difficult to calculate the effects of trees on daylight because of their irregular shape and because some light will generally penetrate through the crown. Where the effects of a new building on existing buildings nearby is being analysed, it is usual to ignore the effects of existing trees. This is because daylight is at its scarcest and most valuable in winter when most trees will not be in leaf.”

The BRE guidelines BR209:2022 recommends that sometimes trees should be taken into account for the proposed development where the new development is proposed near large existing trees. This needs to be done by modelling a representative of the existing trees. Reflectance and transparency should be taken into account. Table G1 in BR209:2022 gives values for transparencies of tree crowns in summer and winter for deciduous trees, dense evergreen can be assessed as opaque. Table G2 gives general reflectance values for shades of trees.

2.8 BRE guidelines BR209:2022 Appendix H: Environmental Impact Assessment

The BRE guidelines sets out criteria for classification for assessment of impact where a new development affects a number of existing buildings or open spaces in relation to an Environmental Impact Assessment. The guide does not give a specific range or percentages but sets out parameters as set out below.

“Where the loss of skylight or sunlight fully meets the guidelines in this book, the impact is assessed as negligible or minor adverse. Where the loss of light is well within the guidelines, or only a small number of windows or limited area of open space lose light (within the guidelines), a classification of negligible impact is more appropriate. Where the loss of light is only just within the guidelines, and a larger number of windows or open space area are affected, a minor adverse impact would be more appropriate, especially if there is a particularly strong requirement for daylight and sunlight in the affected building or open space.

Where the loss of skylight or sunlight does not meet the guidelines in this book, the impact is assessed as minor, moderate or major adverse. Factors tending towards a minor adverse impact include:

- *only a small number of windows or limited area of open space are affected*
- *the loss of light is only marginally outside the guidelines*
- *an affected room has other sources of skylight or sunlight*
- *the affected building or open space only has a low level requirement for skylight or sunlight*
- *there are particular reasons why an alternative, less stringent, guideline should be applied.*

Factors tending towards a major adverse impact include:

- *a large number of windows or large area of open space are affected*
- *the loss of light is substantially outside the guidelines*
- *all the windows in a particular property are affected*
- *the affected indoor or outdoor spaces have a particularly strong requirement for skylight or sunlight, e.g. a living room in a dwelling or a children's playground.*

Beneficial impacts occur when there is a significant increase in the amount of skylight and sunlight reaching an existing building where it is required, or in the amount of sunlight reaching an open space. Beneficial impacts should be worked out using the same principles as adverse impacts. Thus a tiny increase in light would be classified as a negligible impact, not a minor beneficial impact.”

The BRE guidelines does not set out a specific value range for the different classification of impact level of Minor, Moderate and Major to each window. For the purpose of this report one of five classification levels will be applied:

Imperceptible:	There is no reduction in the VSC levels or where the levels are 95% of the existing value.
Negligible:	A reduction in the VSC level but it retains a VSC >27% or <27% but >80% of the existing value.
Minor reduction:	VSC below 27% but greater than 20%, or ratio greater than 65% of the existing value.
Moderate reduction:	VSC below 20% but greater than 10%, or ratio greater than 50% of the existing value.
Major reduction:	VSC below 10% or ratio less than 50% of the existing value.

A flexible approach should be taken when assessing the impact with daylight and sunlight being one of many factors that influence the environment when planning a new development. The evaluation of the impact should be considered in conjunction with other factors when determining the overall impact level to a property.

2.9 Assessment Model Parameters

The BRE guidelines BR209:2022 recommends surface reflectances should represent real conditions and where reflectance values have not been measured or specified default values are set out in Table C4 of the guidance document. The surface reflectances have been specified and are set out in Table 3 below. This table also shows the input values for material used and additional assessment model input parameters.

Input Values for Assessment Model			
Surface Reflectance			
Element	Reflectance	Transmittance	Material Description
Internal walls	80%	0%	White Painted Walls
Internal ceiling	80%	0%	White Painted Ceiling
Floor - light wood	40%	0%	Light wood Flooring
External walls - proposed development	50%	0%	Brick
External walls - outside site	50%	0%	CIBSE
External ground	20%	0%	CIBSE
Glass		68%	Triple glazed clear glass
Maintenance Factor for Glass		Assessment Plane	
Suburban Vertical no overhang	0.96	Sensor Grid spacing	0.3m
Suburban Vertical sheltered by balcony or overhang	0.88	Sensor grid inset	0.35m
Framing Factor: Patio Doors	0.77	Minimum inset	0.3m
		Work plane offset	0.85m

Table 3: Surface reflectance parameters and input values for model calculations

2.10 Daylight in the Proposed Development.

The BRE guidelines BR209:2022 Appendix C sets out interior daylight recommendations, it states; “BS EN 17037 supersedes BS8206 Part 2 ‘Code of practice for daylighting’.

BS EN 17037 sets out two methods for assessing daylight provision in proposed buildings. One method is called the **Illuminance method**. This is based on Target illuminances for daylight to be achieved across specified fractions of a reference plane at working plane height (0.85m) for half the daylight hours in a year. The Illuminance Method requires the use of a suitable weather file with local climate conditions and takes into account the orientation of the space.

The alternative method is called the **Daylight Factor Method**. This method is based on calculating the daylight factors achieved over specific fractions of a reference plane. The Daylight factor is the illuminance at a point on a reference plane in a space, divided by the illuminance on an unobstructed horizontal surface outdoors. This method uses an overcast sky for calculation and the assessment of the space is orientation independent. BS EN 17037 gives the Median External Diffuse Illuminance ($E_{v,d,med}$) for the capital cities throughout Europe to account for external local illuminance levels.

The UK committee formed the opinion that the Target Illuminance recommendations in Clause A.2 of BS EN 17037 may not be achievable for some buildings, particularly dwellings. The UK committee believes this could be the case for dwellings with basement rooms or those with significant external obstructions. In BS EN 17037:2018+A1:2021, the UK National Annex (NA) sets out additional minimum room specific Target Daylight Factor values for the UK. Clause NA.2 sets out illuminance values to be exceeded over at least 50% of the points on a reference plane 0.85m above the floor for at least half the daylight hours.

EN 17037:2018 sets out values for Minimum and Target levels to be achieved with a minimum, medium and high compliance level for each. The guideline recommends that the minimum level should be achieved for both target levels but it does not give guidance on the number of units or fraction within a multiple residential unit development that should achieve these values. Additionally it does not differentiate between room use and weighted targets for rooms which would have a lesser requirement. The UK annex sets out factors for UK specific settings where it is difficult to achieve natural daylighting.

The compliance calculation is based on an annual, climate-based simulation of interior illuminance distributions. The BRE guidelines BR209:2022 refers to this method as the Illuminance Method. For each hour of the year, the percentage of the floor area achieving minimum and target illuminance thresholds are measured on a room-by-room basis. Two target types are set with the following criteria:

- Target Illuminance: 300 lux over 50% of floor area for at least 50% of daylight hours.
- Minimum Illuminance: 100 lux over 95% of floor area for at least 50% of daylight hours.

BS EN 17037 gives three levels of recommendation for daylight provision in an interior space: Minimum, Medium and High. The BRE guidelines BR209:2022 (C3) recommends for compliance with the standard, a space should achieve the Minimum level.

Daylight hours are defined as the 4380 hours with the most diffuse horizontal illuminance in the weather file. In addition to this baseline (Minimum) requirement, rooms can achieve Medium and High levels of compliance by meeting higher illuminance thresholds, as outlined in the table below:

Target Illuminance Over At Least Half The Daylight Hours		
Level of recommendation	Target illuminance $E_T(lx)$ for half of the assessment grid	Minimum illuminance $E_{TM}(lx)$ for 95% of the assessment grid
Minimum	300 lux	100 lux
Medium	500 lux	300 lux
High	750 lux	500 lux

Table 4: EN 17037:2018 (both IS & BS) Target Illuminance over at least half the daylight hours

Target Daylight Factor for Dublin*		
Level of recommendation	Target daylight factor D for half of the assessment grid	Minimum daylight factor D for 95% of the assessment grid
Minimum	2%	0.7%
Medium	3.5%	2%
High	5%	3.5%

Table 5: EN 17037:2018 (both IS & BS) Target Daylight Factor (D) for Dublin

Target Minimum Daylight Factor for Dublin* based on UK National Annex		
Room Type	Target illuminance $E_T(lx)$ for half of the assessment grid	Target daylight factor D from Table A.3 EN17037 $E_{v,d,med}$ for Dublin -14,900
Bedroom	100 lux	0.7%
Living Room	150 lux	1%
Kitchen	200 lux	1.3%

* EN17037 uses the latitude of the capital city of each European country to set individual values for daylight and sunlight metrics for use in setting the target levels to be achieved in a particular country

Table 6: BS EN 17037:2018+A1:2021 Target Illuminance levels and Daylight Factor for Dublin

2.11 Sunlight within Proposed Developments

The BRE guidelines BR209:2022 Section 3.1.7 states:

“that for large residential developments the overall sunlight potential can be initially assessed by counting the number of windows facing south, east and west and the aim should be to minimise the number of living rooms facing solely north, north-east or north-west unless there is some compensating factor such as an appealing view to the north.”

The BRE guidelines BR209:2022 acknowledges that it may not be possible to have every living room facing within 90° of south in large developments, however, it recommends maximising the number of units with a southerly aspect.

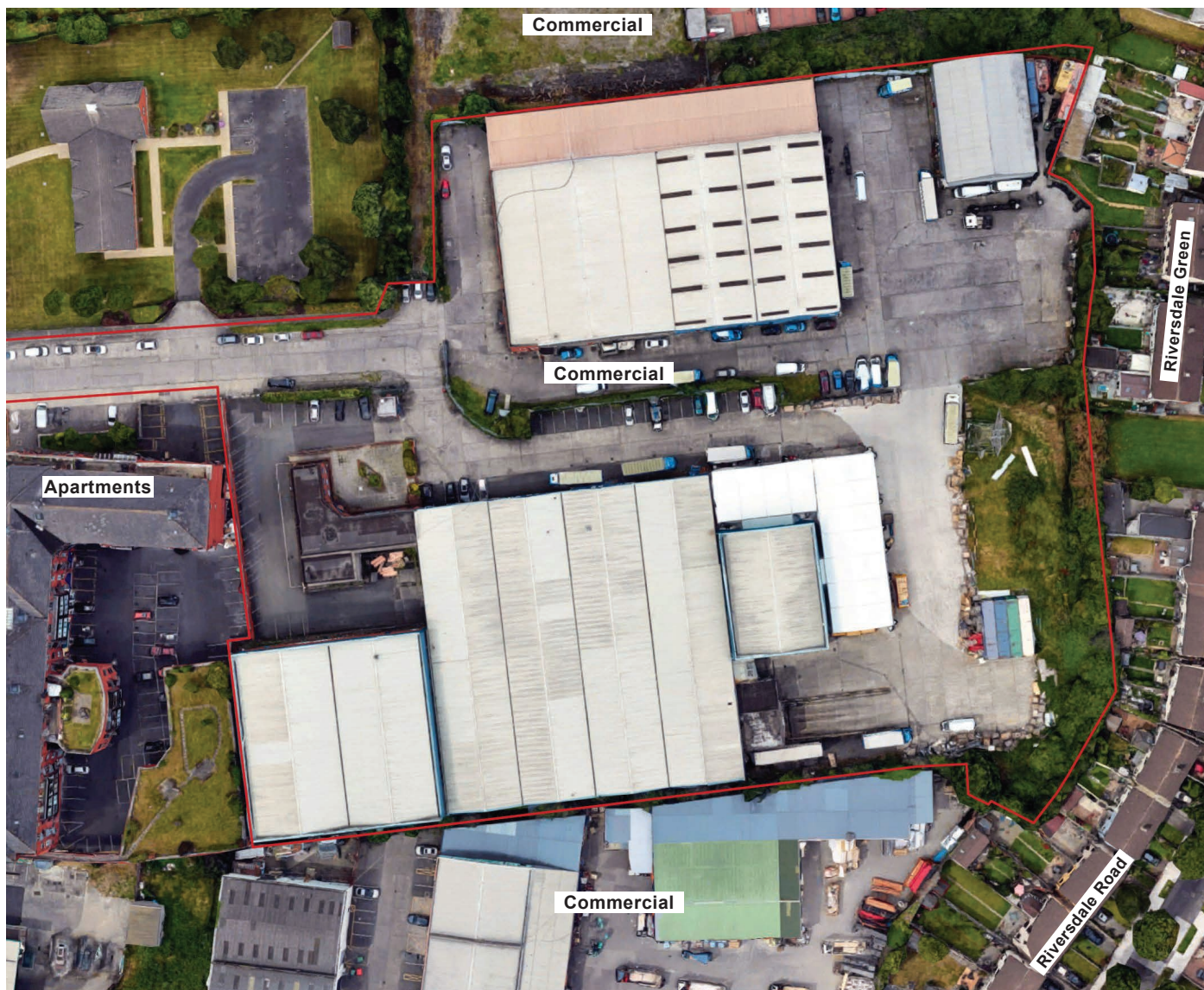
The BRE guidelines BR209:2022 recommends that BS EN 17037 should be used to assess for interior access to direct sunlight. BS EN 17037 Table A.6 sets recommendations for access to sunlight and notes three levels of achievement; Minimum, Medium and High. In dwellings at least one habitable room, preferably a living room, should achieve the Minimum of 1.5 direct hours on a specified date between 1st February and 21st March, with a cloudless sky. This assessment uses the 21st March. The guidelines recommend a time step of 5 minutes or less for the assessment interval. The Minimum level to achieve is 1.5, the Medium level is 3 hours and the High level is 4 hours direct sunlight.

3. Daylight in Neighbouring Buildings

3.1 Site Overview

The subject site is located in a cul de sac located east of the Ninth Lock Road which connects Clondalkin in the south to the Grand Canal in the north. The lands have been in industrial use previously and sit within the Town Centre as outlined within the SDCC Development Plan.

The neighbouring properties that require appraisal are the apartments in the Ninth Lock Road and the houses in Riversdale Green & Riversdale Road.



**Figure 1: Indicative view of the site, taken from Google Maps.
Please refer to architectural drawings for statutory boundaries.**

3.2 Preliminary Assessment of Neighbouring Buildings

The BRE guidelines BR209:2022 recommend that loss of light to existing windows need not be assessed if the distance of each part of the new development from the existing window is three or more times its height above the centre of the existing window. Planes perpendicular to the walls with windows in the relevant neighbouring properties are indicated in blue in Figure 2. The planes at locations A - G extend and if they intersect the proposed development, they are plotted for sectional analysis in Figure 3 below.

The BRE guidelines gives guidance on sectional analysis, stating that if part of a new building measured in a vertical section perpendicular to the main window wall of an existing building, from the centre of the lowest window, subtends an angle of more than 25° to the horizontal, then the diffuse light of the existing building may be adversely affected. If a window falls within a 45° angle both in plan and elevation with a new development in place then the window may be affected and should be assessed.

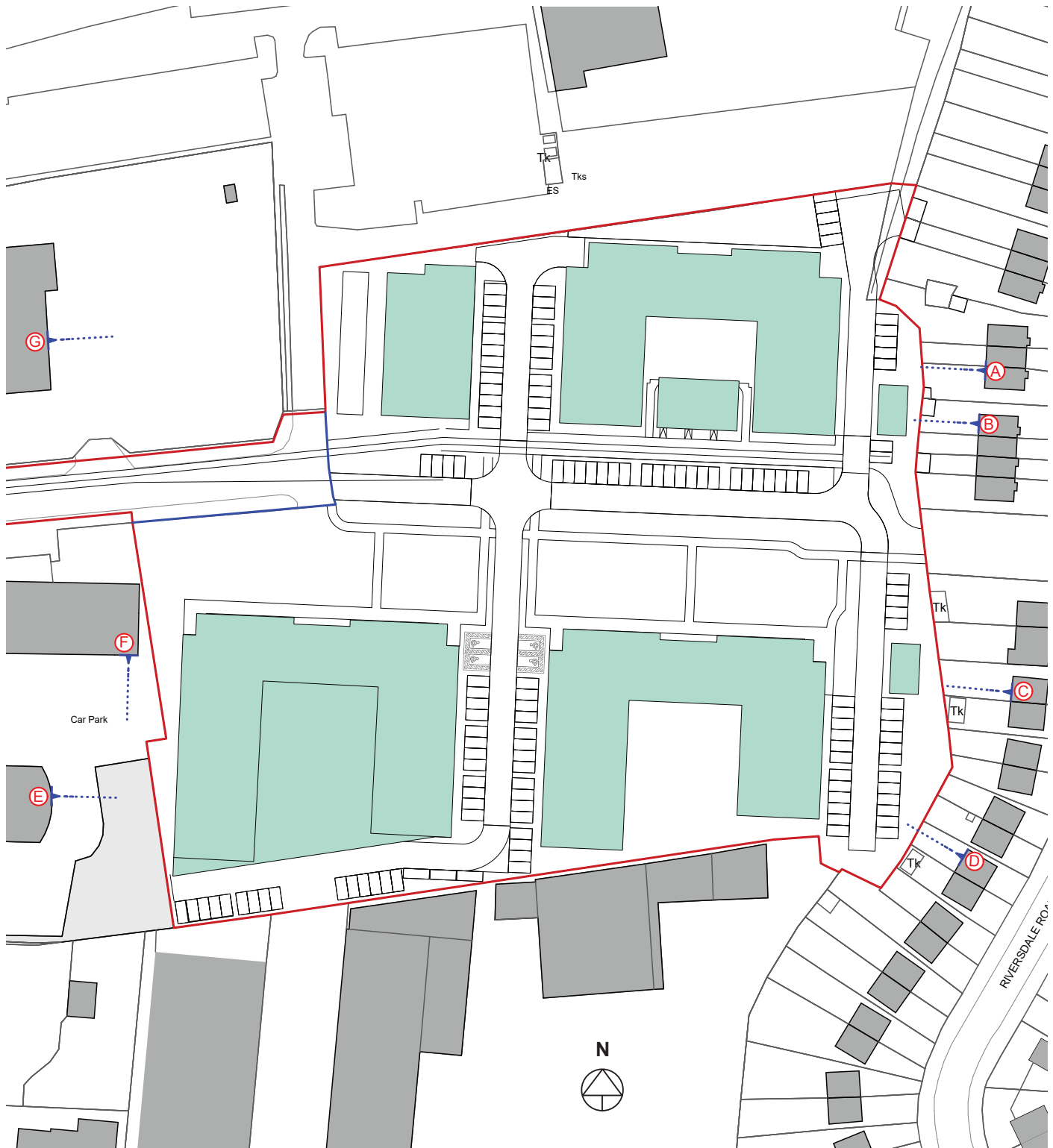
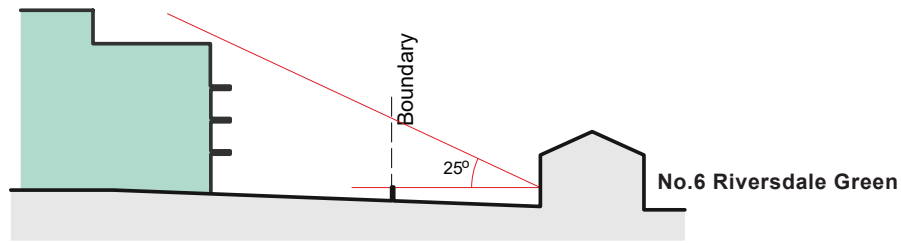
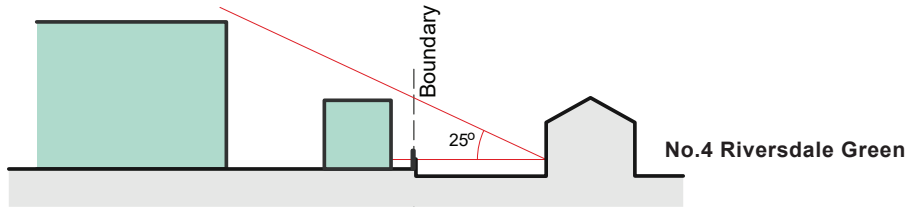


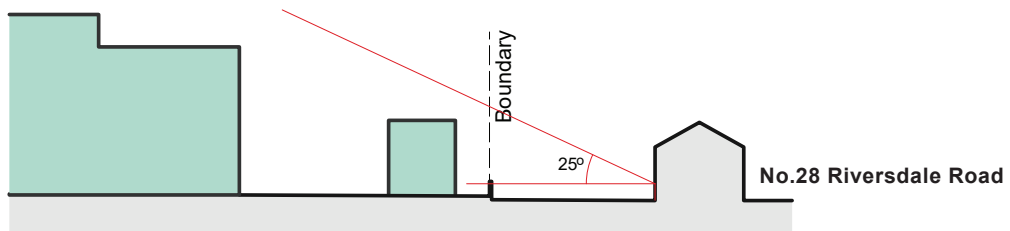
Figure 2: Proposed site plan showing the direction of the window wall of neighbouring residential properties.



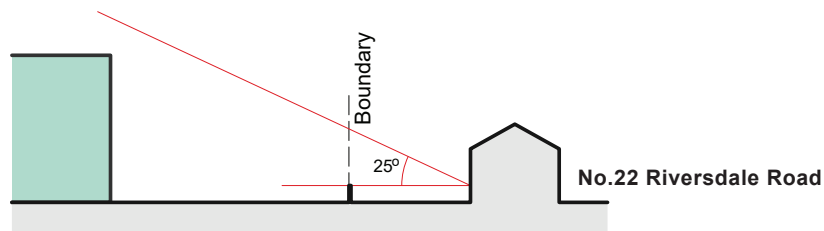
Section through window wall at location A



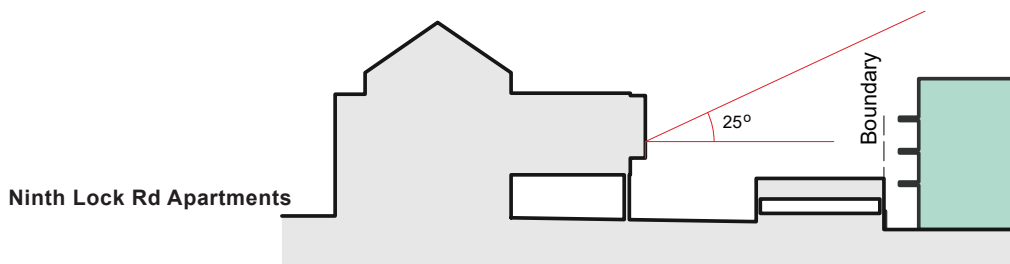
Section through window wall at location B



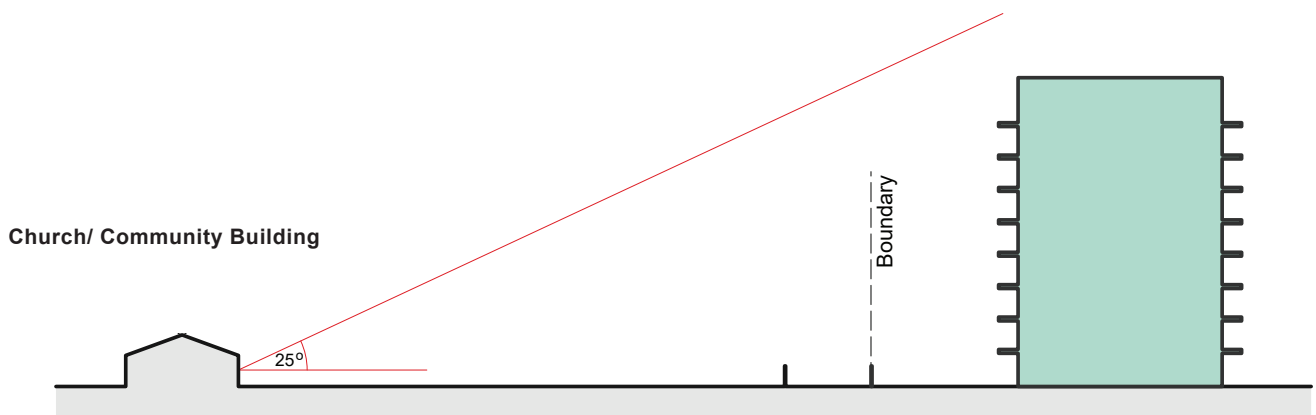
Section through window wall at location C



Section through window wall at location D



Section through window wall at location E



Section through window wall at location G

Figure 3: Sections perpendicular to window wall at locations indicated in Figure 2.

3.3 Comment on Preliminary Assessment

Location A - No.6 Riversdale Green. In Figure 3 above, a section cut through the ground floor window, the 25° line would not be subtended by the proposed development, any reduction in available daylight is likely to be negligible. However due to proximity these houses are selected for further assessment.

Location B - No.4 Riversdale Green. In Figure 3 above, a section cut through the ground floor window, the 25° line would not be subtended by the proposed development, any reduction in available daylight is likely to be negligible. However due to proximity these houses are selected for further assessment.

Location C - No.28 Riversdale Road. In Figure 3 above, a section cut through the ground floor window, the 25° line would not be subtended by the proposed development, any reduction in available daylight is likely to be negligible. However due to proximity these houses are selected for further assessment.

Location D - No.22 Riversdale Road. In Figure 3 above, a section cut through the ground floor window, the 25° line would not be subtended by the proposed development, any reduction in available daylight is likely to be negligible. However due to proximity these houses are selected for further assessment.

Location E - Ninth Lock Road Apartments. In Figure 3 above, a section cut through the lowest residential window, the 25° line would not be subtended by the proposed development, any reduction in available daylight is likely to be negligible, no further assessment is required.

Location F - Ninth Lock Road Apartments. In Figure 2 above it can be noted that the windows in habitable rooms do not look directly towards the proposed development, any reduction in available daylight is likely to be negligible. However due to proximity they are selected for further assessment.

Location G - The Church of the Latter Day Saints. In Figure 3 above, a section cut through the lowest residential window, the 25° line would not be subtended by the proposed development, any reduction in available daylight is likely to be negligible, no further assessment is required.

3.4 Detailed Assessment to Neighbouring Buildings

The BRE guidelines BR209:2022 recommend assessing the Vertical Sky Component (VSC) to neighbouring properties, where the layouts are not known. Annual Probable Sunlight Hours (APSH) will also be assessed, where that is relevant.

The BRE guidelines recommends that if a window retains a VSC in excess of 27% with the proposed development in place then it will still receive enough daylight. If the existing VSC is below 27% or is reduced below 27% and below 0.8 times its former value then the diffuse light maybe adversely affected.

Test points representing windows in the neighbouring buildings at locations identified in the preliminary analysis are indicated in Figures 4 - 6. The results are shown in Tables 7 - 9 below.

3.5 No.1 - 7 Riversdale Green



Figure 4: No.1 - 7 Riversdale Green - View of model locating VSC test points.

Vertical Sky Component					
Location	Vertical Sky Component Recommended Value > 27%		Ratio: Proposal to Existing Recommended > 80%	Meets criteria if >27% VSC or <27% but >80% existing value	Comment
	Existing %	Proposed %			
1	35.0	30.2	86.3%	Y	Negligible
2	33.4	29.5	88.2%	Y	Negligible
3	33.8	29.9	88.4%	Y	Negligible
4	30.6	27.3	89.4%	Y	Negligible
5	33.4	29.4	88.1%	Y	Negligible
6	32.6	28.6	87.9%	Y	Negligible
7	32.0	28.1	87.6%	Y	Negligible
8	34.8	30.4	87.4%	Y	Negligible
9	33.0	29.0	87.9%	Y	Negligible
10	33.4	29.4	87.9%	Y	Negligible
11	35.5	30.8	86.7%	Y	Negligible
12	32.1	26.7	83.3%	Y	Negligible
13	32.9	28.8	87.3%	Y	Negligible
14	33.0	28.3	85.9%	Y	Negligible
15	30.0	23.8	79.2%	N	Minor Reduction
16	33.1	26.4	79.6%	N	Minor Reduction
17	32.4	27.2	83.8%	Y	Negligible
18	32.8	27.6	84.1%	Y	Negligible
19	32.0	27.1	84.7%	Y	Negligible
20	31.3	25.3	80.8%	Y	Negligible
21	33.8	28.7	85.0%	Y	Negligible
22	31.6	26.7	84.5%	Y	Negligible
23	30.6	26.4	86.1%	Y	Negligible
24	30.0	24.6	81.8%	Y	Negligible
25	32.6	27.7	85.1%	Y	Negligible
26	31.0	26.5	85.4%	Y	Negligible

Table 7: Vertical Sky Component to No.1 - 7 Riversdale Green

3.5.1 Conclusion of Potential Impact to No.1 - 7 Riversdale Green

Two windows ID15 & 16 indicate a reduction in VSC marginally below the recommended 80%, both at above 79%. All other windows retain a VSC in excess of 27% or are not reduced below 80% of the existing VSC value. Any reduction in available daylight from the proposed development will be negligible and meets the recommendations of the BRE guidelines BR209:2022.

3.6 No.21 - 28 Riversdale Road



Figure 5: Riversdale Road - View of model locating VSC test points.

Vertical Sky Component					
Location	Vertical Sky Component Recommended Value > 27%		Ratio: Proposal to Existing Recommended > 80%	Meets criteria if >27% VSC or <27% but >80% existing value	Comment
	Existing %	Proposed %			
1	34.9	32.0	91.9%	Y	Negligible
2	33.5	30.3	90.3%	Y	Negligible
3	33.6	30.7	91.4%	Y	Negligible
4	35.3	32.4	91.7%	Y	Negligible
5	35.3	32.1	90.9%	Y	Negligible
6	33.9	30.3	89.4%	Y	Negligible
7	35.3	32.4	91.7%	Y	Negligible
8	33.6	30.6	91.3%	Y	Negligible
9	32.5	28.8	88.6%	Y	Negligible
10	33.2	30.1	90.7%	Y	Negligible
11	34.1	31.0	90.8%	Y	Negligible
12	34.2	31.0	90.7%	Y	Negligible
13	27.2	26.6	97.5%	Y	Negligible
14	29.1	26.1	89.7%	Y	Negligible
15	34.1	31.0	90.9%	Y	Negligible
16	33.2	30.1	90.6%	Y	Negligible
17	35.0	31.0	88.5%	Y	Negligible
18	32.4	28.5	87.9%	Y	Negligible
19	32.6	29.4	90.2%	Y	Negligible
20	35.0	31.6	90.4%	Y	Negligible
21	35.3	31.1	88.1%	Y	Negligible
22	33.3	29.0	87.0%	Y	Negligible
23	35.0	31.6	90.2%	Y	Negligible
24	32.6	29.1	89.3%	Y	Negligible
25	32.0	28.9	90.4%	Y	Negligible
26	32.1	27.7	86.2%	Y	Negligible
27	32.3	28.6	88.5%	Y	Negligible
28	34.8	31.0	89.2%	Y	Negligible
29	33.9	29.6	87.4%	Y	Negligible
30	32.0	27.5	86.0%	Y	Negligible
31	34.8	31.0	89.2%	Y	Negligible
32	32.3	28.5	88.1%	Y	Negligible
33	31.1	27.8	89.3%	Y	Negligible

Table 8: Vertical Sky Component to No.21 - 28 Riversdale Road

3.6.1 Conclusion of Potential Impact to No.21 - 28 Riversdale Road

All windows retain a VSC in excess of 27% or are not reduced below 80% of the existing VSC value. Any reduction in available daylight from the proposed development will be negligible and meets the recommendations of the BRE guidelines BR209:2022.

3.7 Apartments Ninth Lock Road

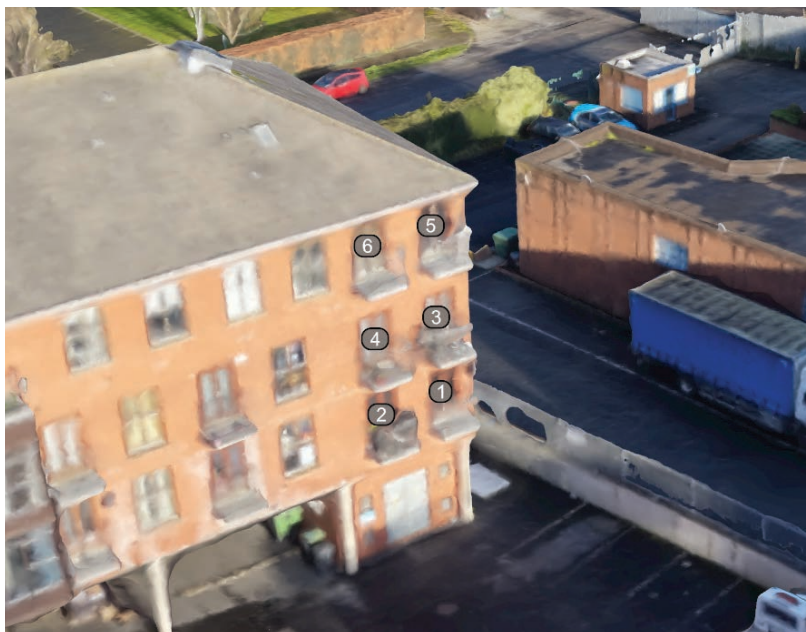


Figure 6: Apartments Ninth Lock Road - View of model locating VSC test points.

Vertical Sky Component					
Location	Vertical Sky Component Recommended Value > 27%		Ratio: Proposal to Existing Recommended > 80%	Meets criteria if >27% VSC or <27% but >80% existing value	Comment
	Existing %	Proposed %			
1	32.7	30.2	92.3%	Y	Negligible
2	32.7	30.8	94.0%	Y	Negligible
3	34.7	32.7	94.1%	Y	Negligible
4	34.6	33.0	95.4%	Y	Imperceptible
5	35.6	35.1	98.7%	Y	Imperceptible
6	35.5	35.2	99.0%	Y	Imperceptible

Table 9: Vertical Sky Component to Apartments Ninth Lock Road

3.7.1 Conclusion of Potential Impact to Apartments Ninth Lock Road

All windows retain a VSC in excess of 27% or are not reduced below 80% of the existing VSC value. Any reduction in available daylight from the proposed development will be negligible and meets the recommendations of the BRE guidelines BR209:2022.

4. Sunlight in Neighbouring Buildings

4.1 Sunlight in Neighbouring Dwellings (Annual Probable Sunlight Hours)

The BRE guidelines BR209:2022 recommends assessing window walls for the APSH that face within 90° of due south. The guidelines state that;

“In housing the main requirement for sunlight is living rooms, where it is valued at any time of day, but especially in the afternoon. Sunlight is also required in conservatories. It is viewed as less important in bedrooms and in kitchens, where people prefer it in the morning rather than the afternoon.”

For a proposed development to have a noticeable impact on the annual Probable Sunlight Hours the value need to be reduced below the recommended 25% annual or 5% in the winter period from September to March. If the value is either below this to begin with or is reduced below this then it should not be reduced below 0.8 times its former value.

The BRE guidelines states that obstruction to sunlight may become an issues if

- Some part of a new development is situated within 90° of due south of a main window wall of an existing building
- In the section drawn perpendicular to this existing window wall, the new development subtends an angle greater than 25° to the horizontal measured from the centre of the lowest window to a main living room.

The relevant windows in the houses on Riversdale Green and Road do not face within 90° of due south, the sunlight that these houses would experience would be on their front elevations. The windows in the apartments on Ninth Lock Road have been selected for assessment. The results are set out in the table below.

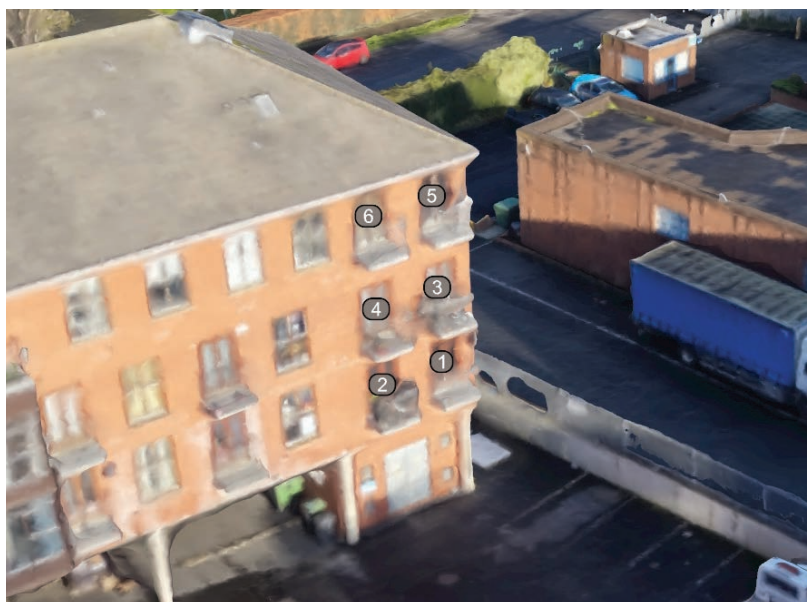


Figure 7: Apartments Ninth Lock Road - View of model locating APSH test points.

Annual Probable Sunlight Hours								
Location ID	APSH >25% Target			Sept 21 - Mar 21 WPSH >5% Target			Meets criteria of >25% APSH and >5% WPSH Or <25% or <5% WPSH but retains >80% existing value	
	Existing	Proposed	Ratio	Existing	Proposed	Ratio		
	% of APSH	% of APSH	If less than 25% APSH Target >80%	% WPSH	% WPSH	If less than 5% WPSH Target >80%	APSH	WPSH
1	63.9%	54.9%	85.8%	22.1%	16.8%	75.9%	Y	Y
2	63.5%	56.5%	89.0%	21.9%	17.7%	80.6%	Y	Y
3	69.5%	61.8%	88.9%	26.3%	20.7%	78.7%	Y	Y
4	68.9%	62.5%	90.7%	25.9%	21.0%	81.3%	Y	Y
5	73.5%	70.5%	96.0%	29.6%	27.1%	91.7%	Y	Y
6	73.0%	70.7%	96.8%	29.2%	27.3%	93.4%	Y	Y

Table 10: Annual Probable Sunlight Hours To Neighbouring Building

4.2 Conclusion on Annual Probable Sunlight Hours (APSH)

All windows assessed exceed the target values set out for annual and winter probable sunlight hours. The proposed development meets the recommendations of the BRE guidelines (2022) and any potential loss of sunlight will be negligible.

5. Sunlight to Amenity in Neighbouring Properties

The BRE guidelines BR209:2022 indicates that for an amenity area to have good quality sunlight throughout the year, 50% of the space should receive in excess of 2 hours sunlight on the 21st March. It also states that front gardens need not be assessed for sunlight. Amenity spaces which are entirely south of the proposed development will not perceive any reduction in sunlight. The amenity space is assessed for the amount of direct sunlight received by the space in 5 minute intervals between 8am and 6pm on the 21st March over an analysis grid with a 300mm grid size and the average is calculated.

5.1 Amenity Space to Neighbouring Properties

The neighbouring amenity spaces were assessed for a potential impact on their sun on the ground. Existing and proposed generated analysis are shown in Figure 8, the results are shown in Table 11 below.

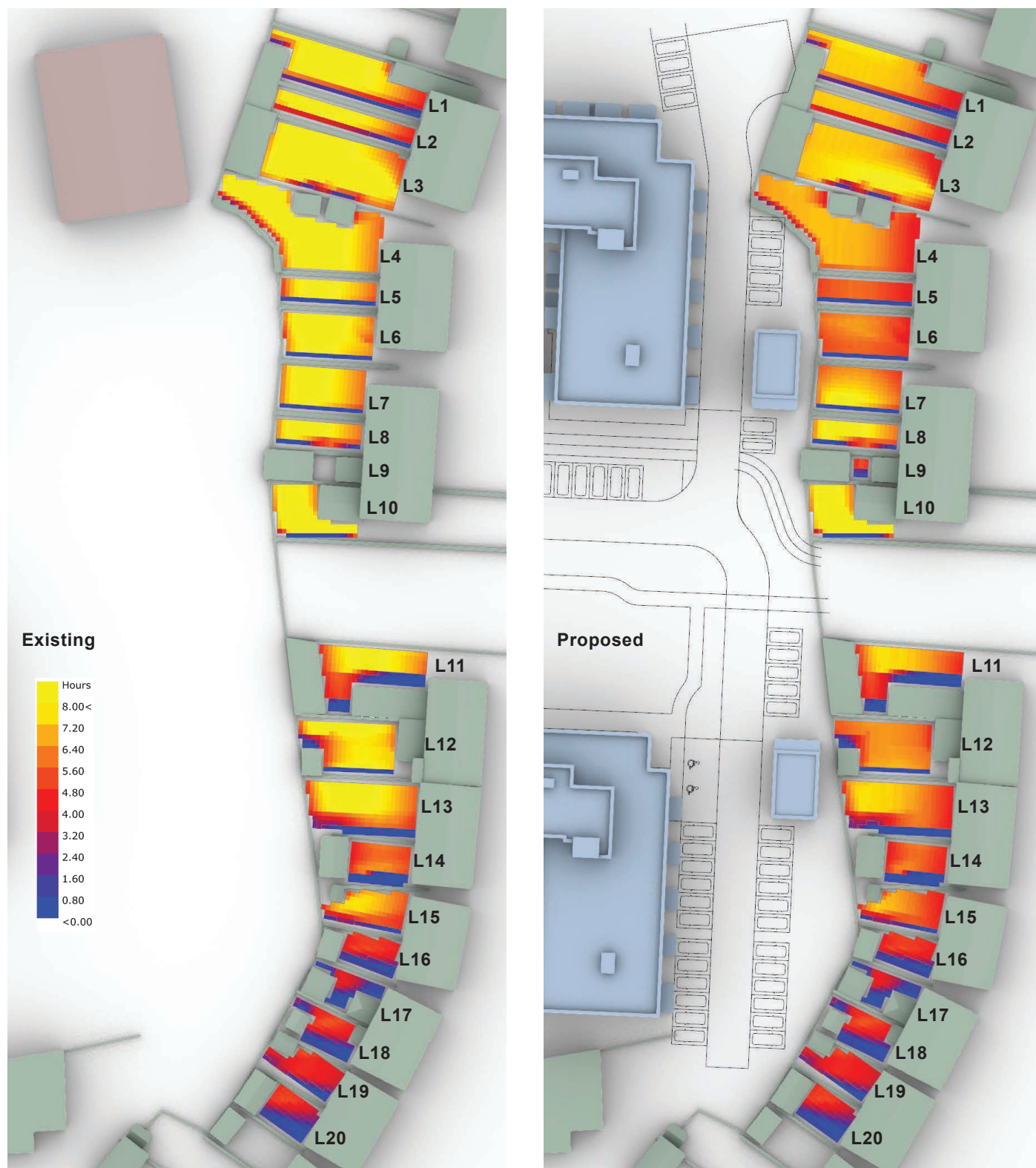


Figure 8: Existing & Proposed radiation map of amenity areas, showing available sunlight on 21st March. The scale represents the sunlight received from 0 - 8 hours.

Sunlight on the Ground - Neighbouring Properties					
No.		% Area receiving 2 hours sunlight on 21st March		Ratio	Meets criteria of >50% area Or if <50% then target >80% existing value
	Location	Existing	Proposed	Proposed: Existing	
L1	10 Riversdale Green	86.7%	86.7%	100.0%	Y
L2	9 Riversdale Green	92.4%	92.4%	100.0%	Y
L3	8 Riversdale Green	97.8%	97.5%	99.7%	Y
L4	7 Riversdale Green	100.0%	100.0%	100.0%	Y
L5	6 Riversdale Green	80.0%	80.0%	100.0%	Y
L6	5 Riversdale Green	90.2%	90.2%	100.0%	Y
L7	4 Riversdale Green	90.0%	90.0%	100.0%	Y
L8	3 Riversdale Green	88.4%	88.4%	100.0%	Y
L9	2 Riversdale Green	50.0%	50.0%	100.0%	Y
L10	1 Riversdale Green	90.0%	90.0%	100.0%	Y
L11	30 Riversdale Rd	75.4%	74.5%	98.8%	Y
L12	29 Riversdale Rd	88.5%	88.0%	99.4%	Y
L13	28 Riversdale Rd	85.9%	84.9%	98.8%	Y
L14	27 Riversdale Rd	71.2%	71.2%	100.0%	Y
L15	26 Riversdale Rd	89.1%	89.1%	100.0%	Y
L16	25 Riversdale Rd	64.1%	64.1%	100.0%	Y
L17	24 Riversdale Rd	34.3%	34.3%	100.0%	Y
L18	23 Riversdale Rd	52.0%	52.0%	100.0%	Y
L19	22 Riversdale Rd	81.2%	81.2%	100.0%	Y
L20	21 Riversdale Rd	51.5%	51.5%	100.0%	Y

Table 11: Calculation of Sun on the Ground to Neighbouring Amenity Areas

5.2 Conclusion

All the private amenity space to the surrounding properties were assessed for sunlight in accordance with the recommendations set out in BR209:2022. On the 21st March, all the amenity spaces will retain 2 hours sunlight over 50% of the area or will not be reduced below 80% of the existing levels. The proposed development meets the recommendations for sunlight in the BRE guidelines BR209:2022.

6. Daylight within the Proposed Development

All habitable rooms within the units were assessed for daylight provision by illuminance method. The Illuminance method assesses the daylight levels over at least 50% daylight hours in the year and uses a weather file data set. These methods take into account the orientation of the space. They provide an accurate representation of the daylight provision to a specific room in the context of the proposed environment.

Compliance is demonstrated by a calculation of Daylight Provision with the illuminance method under BS EN 17037:2018+A1:2021. A summary of the results are presented in Table 12 below and a complete set of room results are shown in Appendix A.

For supplementary information, an assessment of Daylight Provision with the illuminance method under IS /BS EN 17037:2018 is undertaken. A summary of the results are presented in Table 13 below and a complete set of room results are shown in Appendix B.

6.1 Assessment for Daylight Provision BS EN 17037:2018+A1:2021

The UK National Annex (A1) contains minimum room specific target values for dwellings in the UK. Ireland has a similar latitude and climate to the UK. The minimum illuminance levels are kitchens and living spaces containing a kitchen 200lux, living rooms 150lux and bedrooms 100lux. It is recommended that these target illuminance values are exceeded over at least 50% of the points on a reference plane 0.85m above the floor, for at least half of the daylight hours.

The UK committee supports the recommendations of EN17037:2018 but considers the target daylight levels may be hard to achieve in UK dwellings, in particular in urban areas and areas with mature trees. The Target and Minimum levels set out in IS / BS EN17037:2018 does not take into account room use or make allowance for room that have a lesser requirement for daylight.

Minimum Daylight Provision to UK NA.1 - BS EN 17037:2018+A1:2021					
	Room Use	Number of rooms	Target illuminance $E_T(lx)$ for half of the assessment grid	Number of rooms to achieve target lux over 50% of the assessment grid	Percentage of rooms achieving target lux
All Blocks	LKD	384	200	383	99.7%
	Studio	24	200	24	100.0%
	Bedrooms	543	100	543	100.0%
Total		951		950	99.9%

Table 12: Summary of room for Target Illuminance compliance with BS EN 17037:2018+A1:2021. Individual room results can be viewed in Appendix A.

6.2 Conclusion

BR209:2022 recommends assessment methods set out in BS EN 17037 for daylight provision. 99.9% of the habitable rooms achieve the target values set out in BS EN 17037:2018+A1:2021 section NA1. These are the minimum values, per specified use, to be achieved in habitable rooms.

6.3 Supplementary Information - Assessment for Daylight Provision IS EN 17037:2018+A1:2021

A summary of Minimum and Target Illuminance levels under IS EN 17037:2018+A1:2021 Annex A Table A1 are set out in the table below.

Daylight Provision to IS EN 17037:2018+A1:2021						
		Below Target	Minimum	Medium	High	Percentage of rooms achieving target
All Blocks	Target Illuminance	10.4%	25.6%	37.5%	26.5%	89.6%
	Minimum Illuminance	1.7%	36.2%	36.3%	25.9%	98.3%

Table 13: Percentage of rooms at each level to IS EN 17037:2018+A1:2021. Individual room results can be viewed in Appendix B.

The results indicate a high level of daylight provision, with 98.3% of rooms achieving Minimum Illuminance and 89.6% achieving Target Illuminance. The rooms will be bright and pleasant spaces.

The recommendations for Daylight provision in Table A1 are not specific for dwellings and do not make allowance for room use. BS EN 17037:2018+A1:2021 address this with the National Annex setting out room specific targets for dwellings; compliance for daylight within the development is presented in Section 6.2 above.

7. Sunlight within the Proposed Development

7.1 Sunlight Hours

The BRE guidelines BR209:2022 and EN 17037 (both IS & BS), set out recommendations for sunlight hours to be achieved. It states that; *“For dwellings, at least one habitable room, preferably a main living room, should meet at least the minimum criterion.”* The guidelines recommend the sunlight hours should be assessed preferably on the 21st March over the course of the day. The guidelines set three levels of achievement. Minimum 1.5h, Medium 3h and High 4h. The guideline does not set the percentage of units that need to achieve the recommendations but they do give an example of a well designed floor layout in the figure below where 4 out of 5 units in an apartment building would achieve the target sunlight.

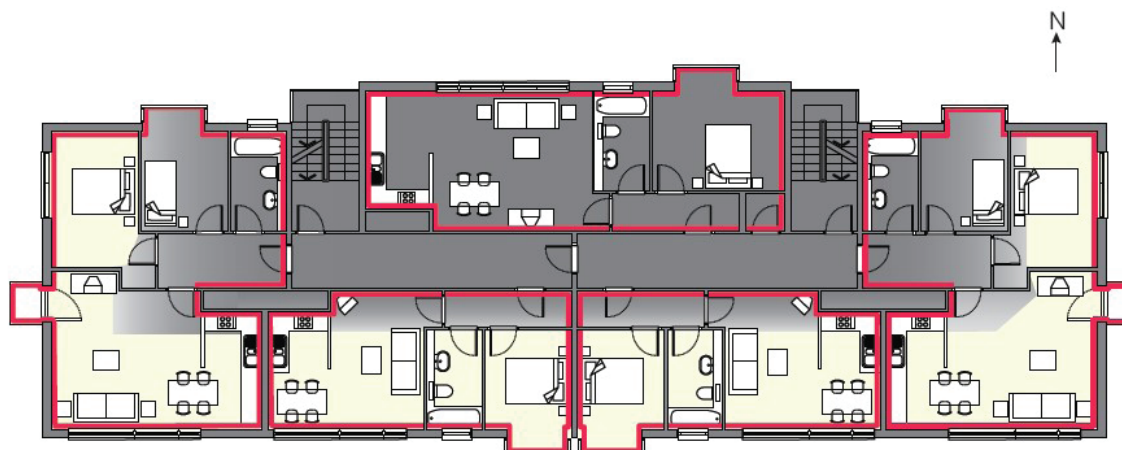


Figure 26: Careful layout design means that four out of the five flats shown have a south-facing living room

Figure 9: Extract from BR209:2022 Section 3 Sun-lighting: Diagram indicating sample floor plan to maximise units with a main living space facing south.

The apartments are assessed for sunlight, in accordance with EN 17037 (both IS & BS). In the test, preference is given to living spaces, and to southerly facing rooms. However the recommendations of the BRE guidelines are met if minimum sunlight hours are achieved in any habitable room within a dwelling.

Detailed results are presented in Appendix C. It indicates if the relevant habitable room has a south facing window, together with the number of hours it receives sunlight, on the 21st March. A summary of these results are displayed in the table below.

Sunlight Hours Summary Table								
Apartments Units	Total Units	Habitable room with a window within 90° south		Below recommendation <1.5 hours	Minimum >1.5 hours	Medium >3 Hours	High >4 Hours	Number meets criteria
		No.	Ratio					
All Blocks	408	246	60.3%	97	78	56	177	311
								76.2%

Table 14: Summary of Results of Assessment of Sunlight Hours

7.2 Comment on EN 17037 Sunlight Hours

The BRE guidelines BR209:2022 recommend maximising the amount of units that have a window within 90° due south but does not have set targets. The guidelines acknowledge that for large developments with site constraints its not possible to achieve south facing windows to all main living spaces and that achieving sunlight hours in another habitable room meets the criteria. Windows with an aspect of greater than 90° due south, to the north west or north east, will still receive sunlight, but it is likely to be lesser amounts especially in the winter period. In this development with 408 no. units, 76.2% (311 no.) have a habitable room which achieves the minimum recommended 1.5 direct sunlight hours.

7.3 Conclusion

This scheme is well designed for sunlight, with 76.2% of units meeting the minimum recommended 1.5 direct sunlight hours. This is in line with the BRE guideline example for an apartment layout where 4 in 5 achieves the target sunlight hours.

8. Sunlight to Amenity within the Proposed Development

The BRE guidelines BR209:2022 indicate that for an amenity area to have good quality sunlight throughout the year, 50% of the ground, should receive in excess of 2 hours sunlight on the 21st of March. It also states that front gardens need not be assessed for sunlight.

8.1 Sunlight to Amenity within the Proposed Development

The amenity areas within this proposal have been assessed with a calculation of Sun on the Ground on the 21st March. Generated analysis is shown in Figure 10 and the results are set out in Table 14 below.

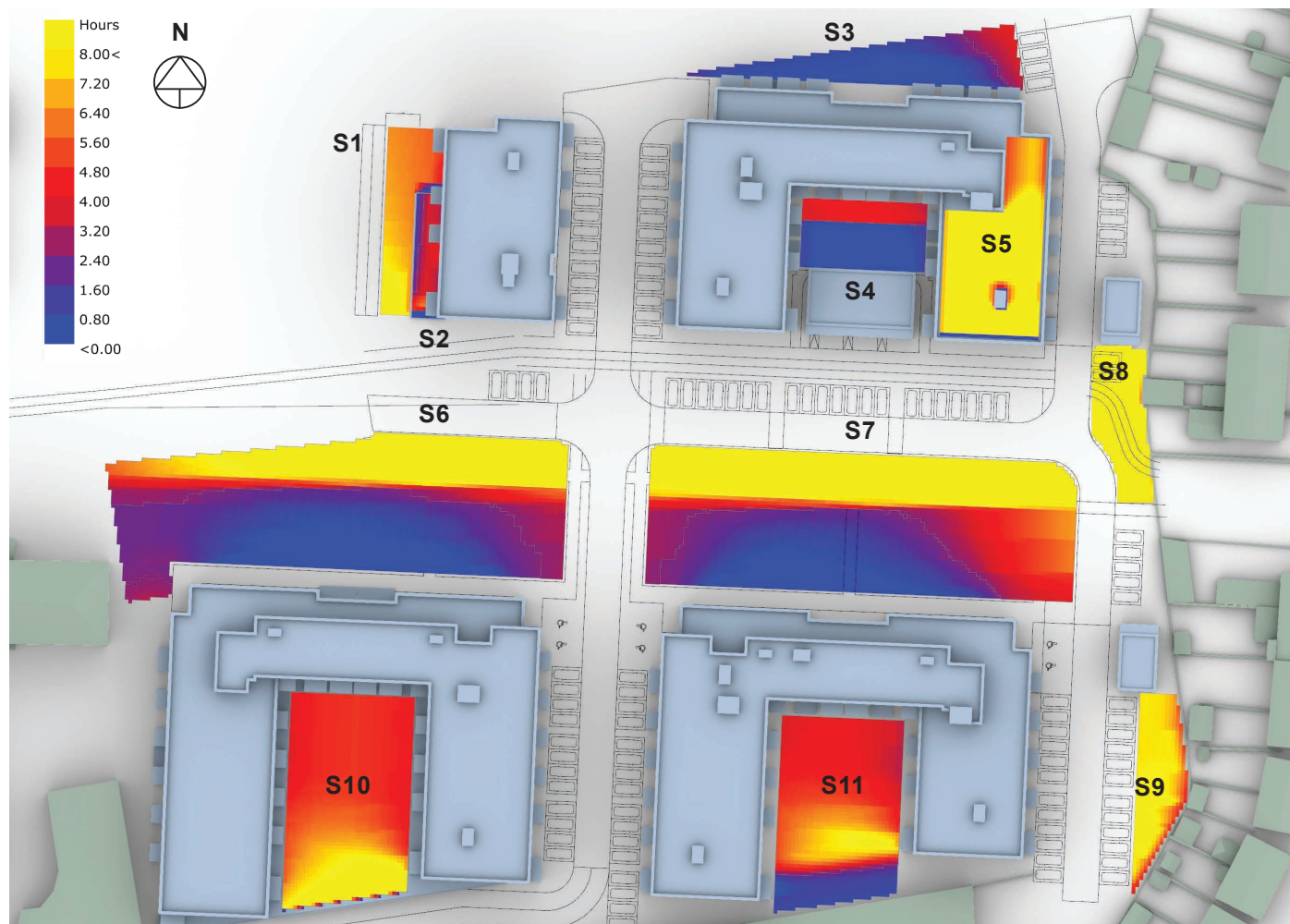


Figure 10: Radiation map of amenity within the proposed development, showing available sunlight on 21st March. The scale represents the sunlight received from 0 - 8 hours.

Sunlight on the Ground - Public & Communal Amenity					
ID No.	Details	Assessment Area	Area receiving 2 hours sunlight on 21st March		Meets criteria if >50% area receiving 2 hours sunlight on 21st March
		m2	%	Area Weighted Average	
S1	B1 COS	246	96.5%		Y
S2	Creche	116	86.6%		Y
S3	POS	375	18.9%		N
S4	B2 COS	242	42.4%		N
S5	B2 top	471	96.1%		Y
S6	POS	1,470	46.5%	66.3%	Y
S7	POS	1,727	61.8%		
S8	POS	230	100.0%		Y
S9	POS	238	100.0%		Y
S10	B4 COS	759	100.0%		Y
S11	B3 COS	673	82.4%		Y

Table 15: Calculation of Sun on the Ground to Amenity Areas within the Proposed Development

7.2 Conclusion

This are a variety of public and communal open spaces provided in this development. There is a large central area of public open space. It's position is constrained by route of electrical supply cables and pylons. The north side of the central access road provides a cycle route and pedestrian connection to the existing neighbouring housing estate. The area weighted average to these areas meets the recommendations of the BRE guidelines BR209:2022.

While there are some areas, which in themselves do not have high levels of sunlight, each block has an area of communal open space with high levels of sunlight. Overall, the proposed development meets the recommendations for sunlight in the BRE guidelines BR209:2022.

9. Shadow Study

9.1 BRE Guidance on Shadow Studies

The BRE guidelines recommend using the March Equinox due the equal length of the day and night time. It states:

“If a space is used all year round, the equinox (21 March) is the best date for which to prepare shadow plots as it gives an average level of shadowing. Lengths of shadows at the autumn equinox (21 September) will be the same as those for 21 March, so a separate set of plots for September is not required.”

June 21st and December 21st are provided below for information but it should be noted that the summer solstice is the best case scenario with shadows at their shortest. The summer solstice diagrams are included here with the Daylight Saving Time (UTC+1) applied. In Winter even low buildings will cast long shadows, when sun barely rises above an altitude of 10° during the course of the day. It is common for large areas of the ground to be in shadow throughout the day, especially in a built-up area. The guidelines recommend that sunlight at an altitude of 10° or less does not count. Below are the times for the Equinox and Solstice, when the sun is above 10° altitude, rounded to the nearest half hour.

Equinox: between 8:30 and 17:30

Summer Solstice: Between 6:30 and 20:00

Winter Solstice: Between 10:30 and 14:00

Section 9.2 shows the existing and proposed shadow diagrams for the Equinox on the 21st March at 2 hourly intervals during the day between 09:00 and 17:00.

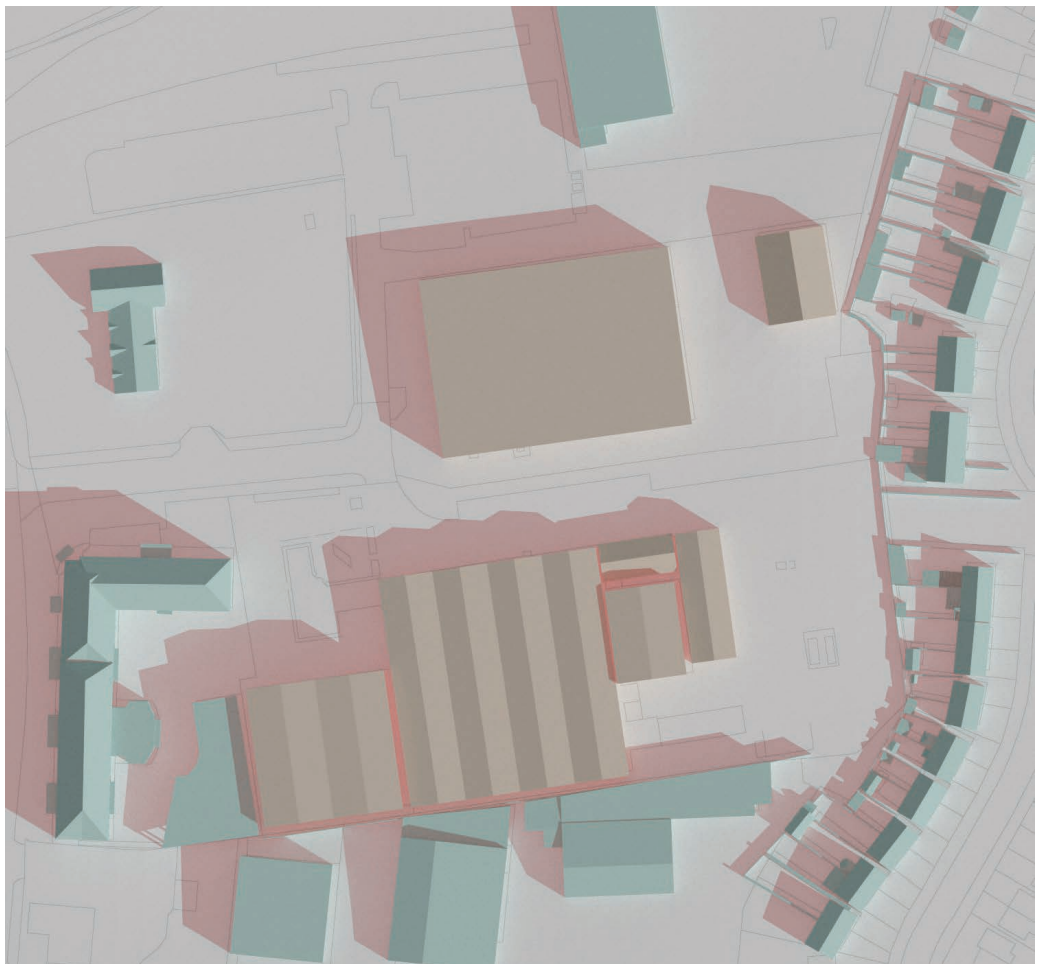
Section 9.3 shows the existing and proposed shadow diagrams for the Summer Solstice on the 21st June at 2 hourly intervals during the day between 09:00 and 19:00.

Section 9.4 shows the existing and proposed shadow diagrams for the Winter Solstice on the 21st December at 2 hourly intervals during the day between 09:00 and 15:00.

Shadow diagrams are a visual aid to understand where possible shading may occur. The use of shadow diagrams as an assessment method should be taken over the course of the day and not a specific time due to the transient nature of the sun and the shade caused by obstructions.

9.2 Shadow Casting diagrams March Equinox

Existing



Proposed

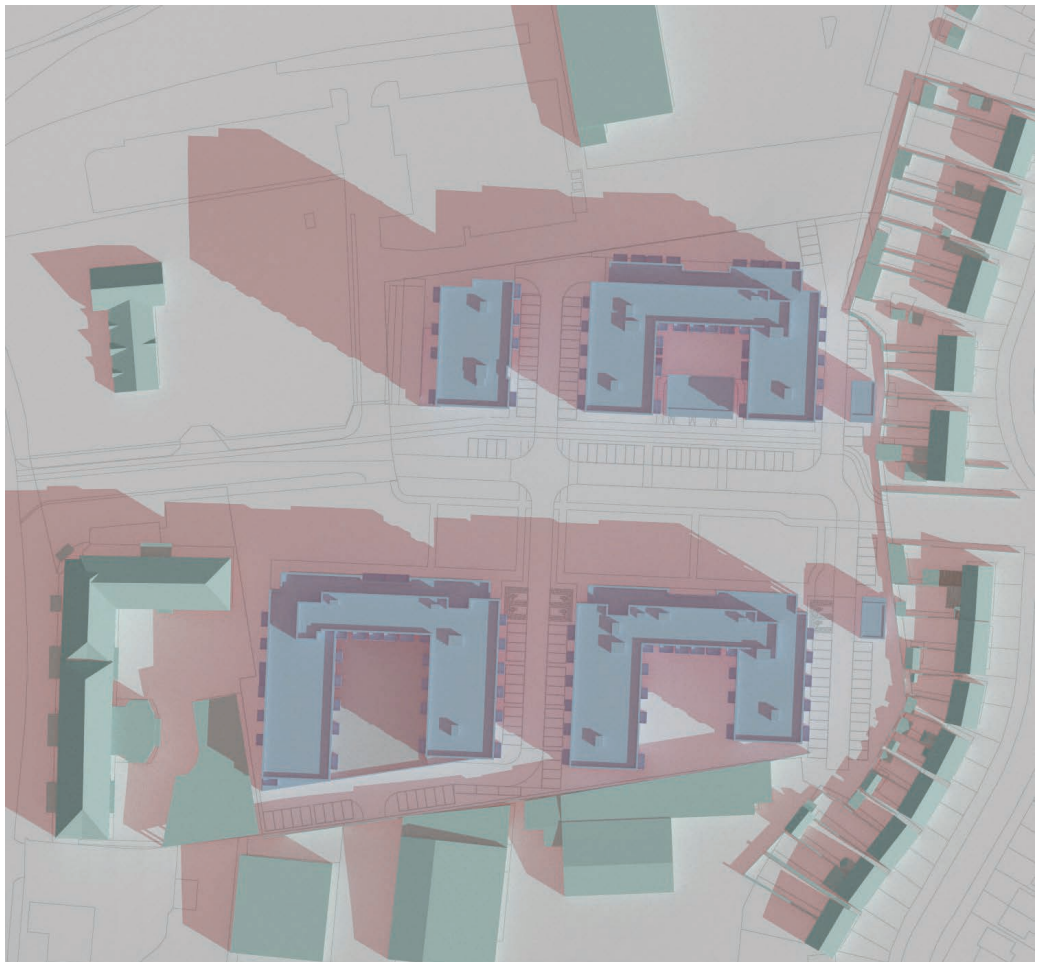
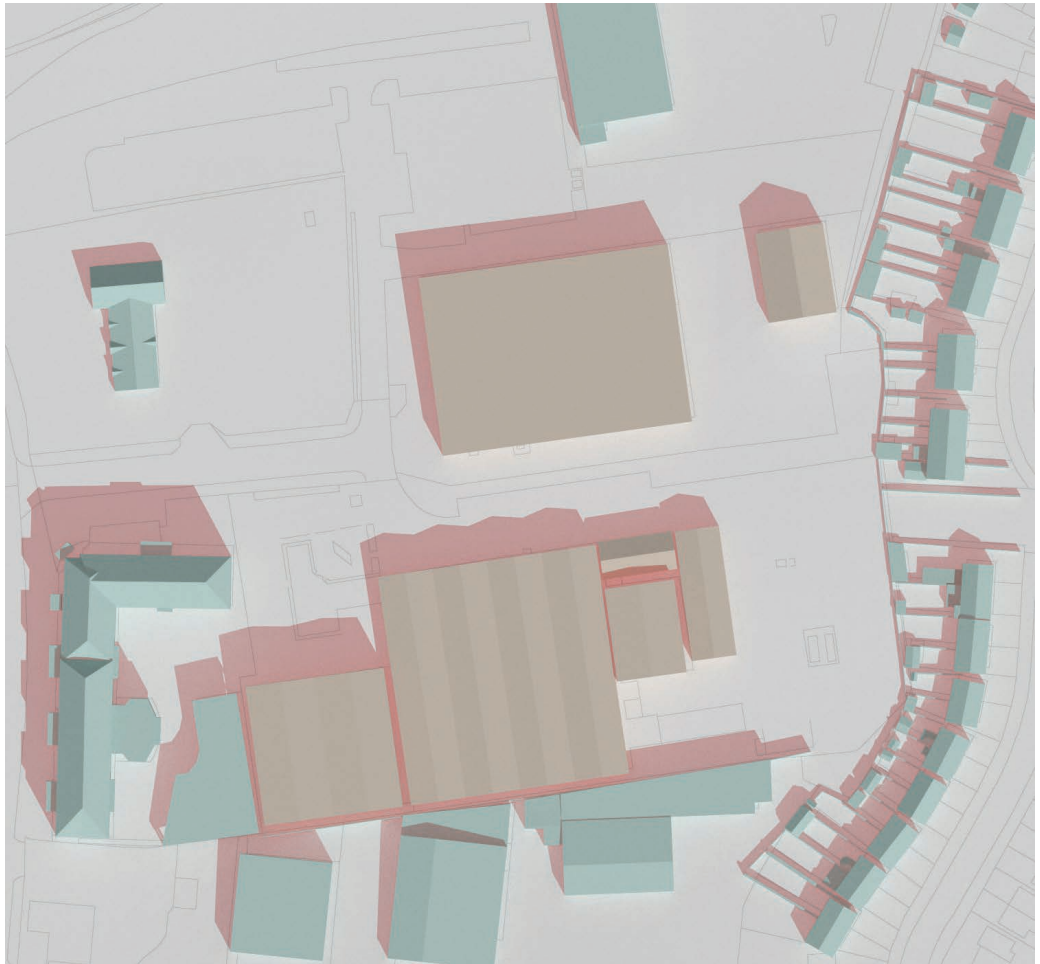


Figure 11: Shadow diagrams 21 March 09:00 UTC

Existing



Proposed

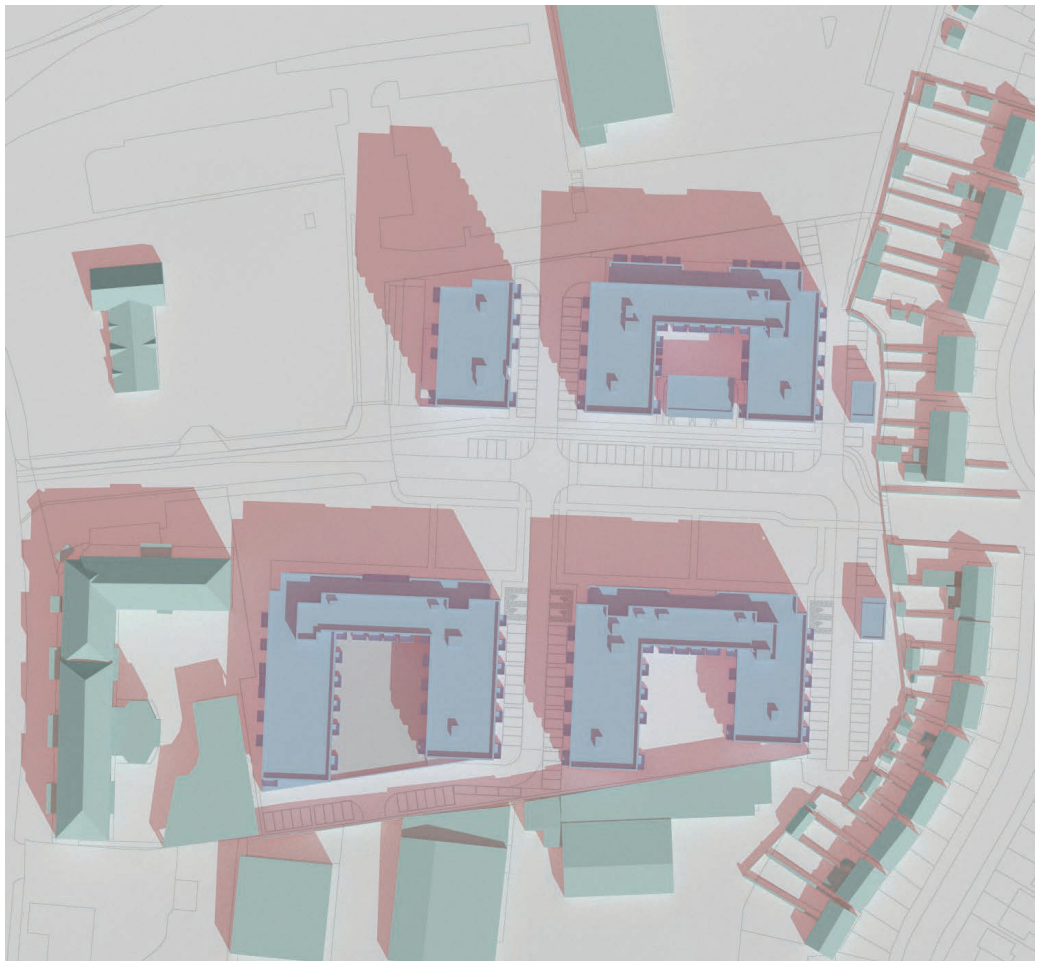
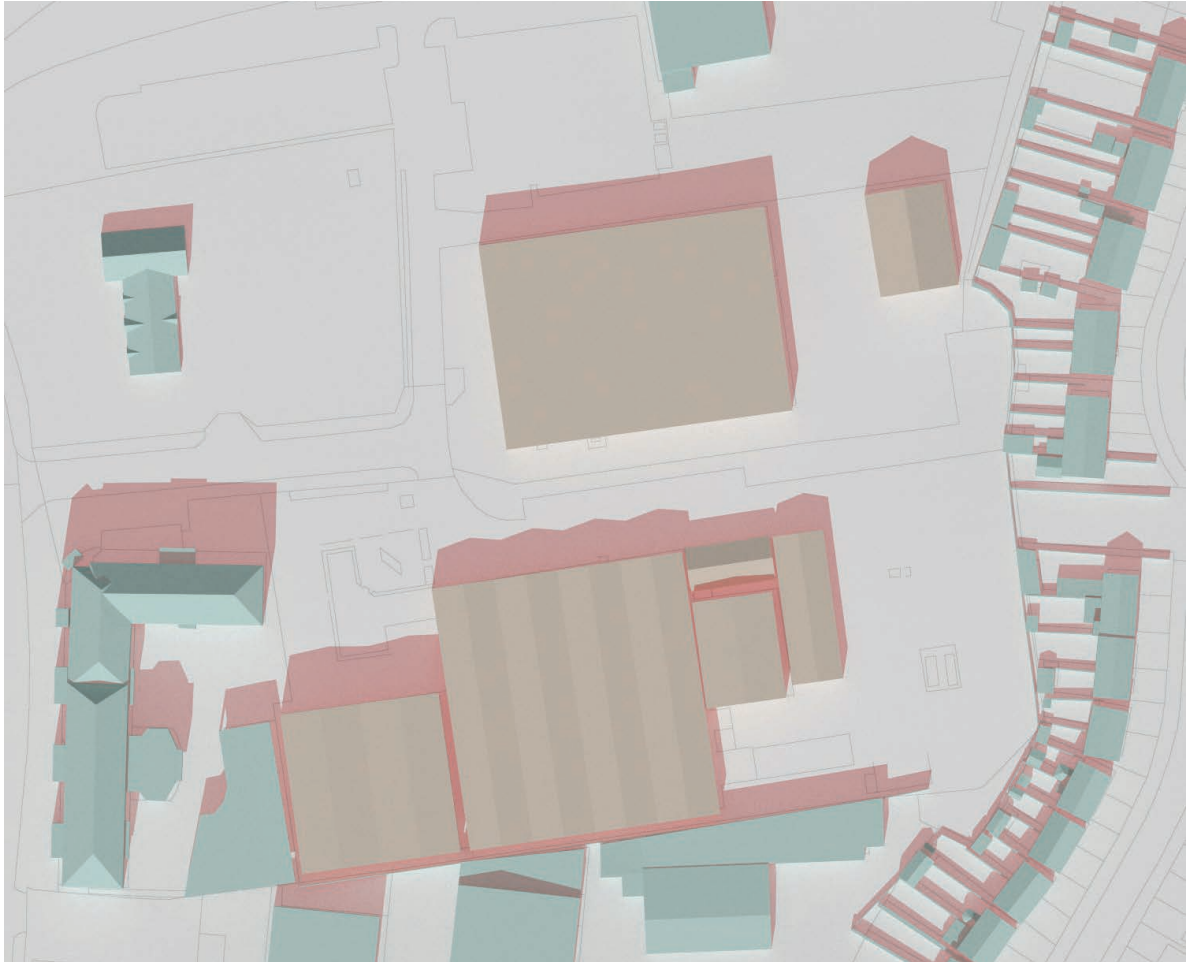


Figure 12: Shadow diagrams 21 March 11:00 UTC

Existing



Proposed

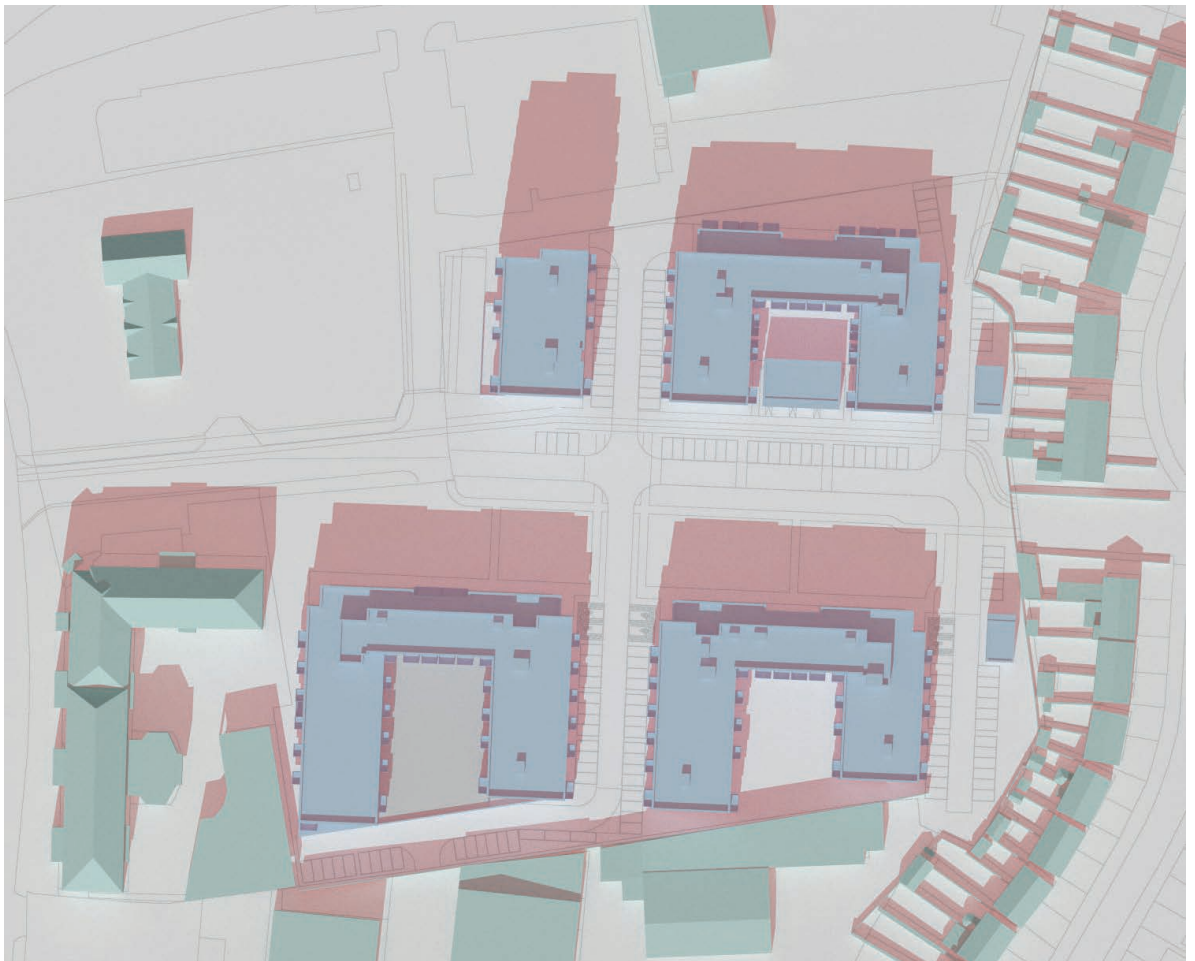
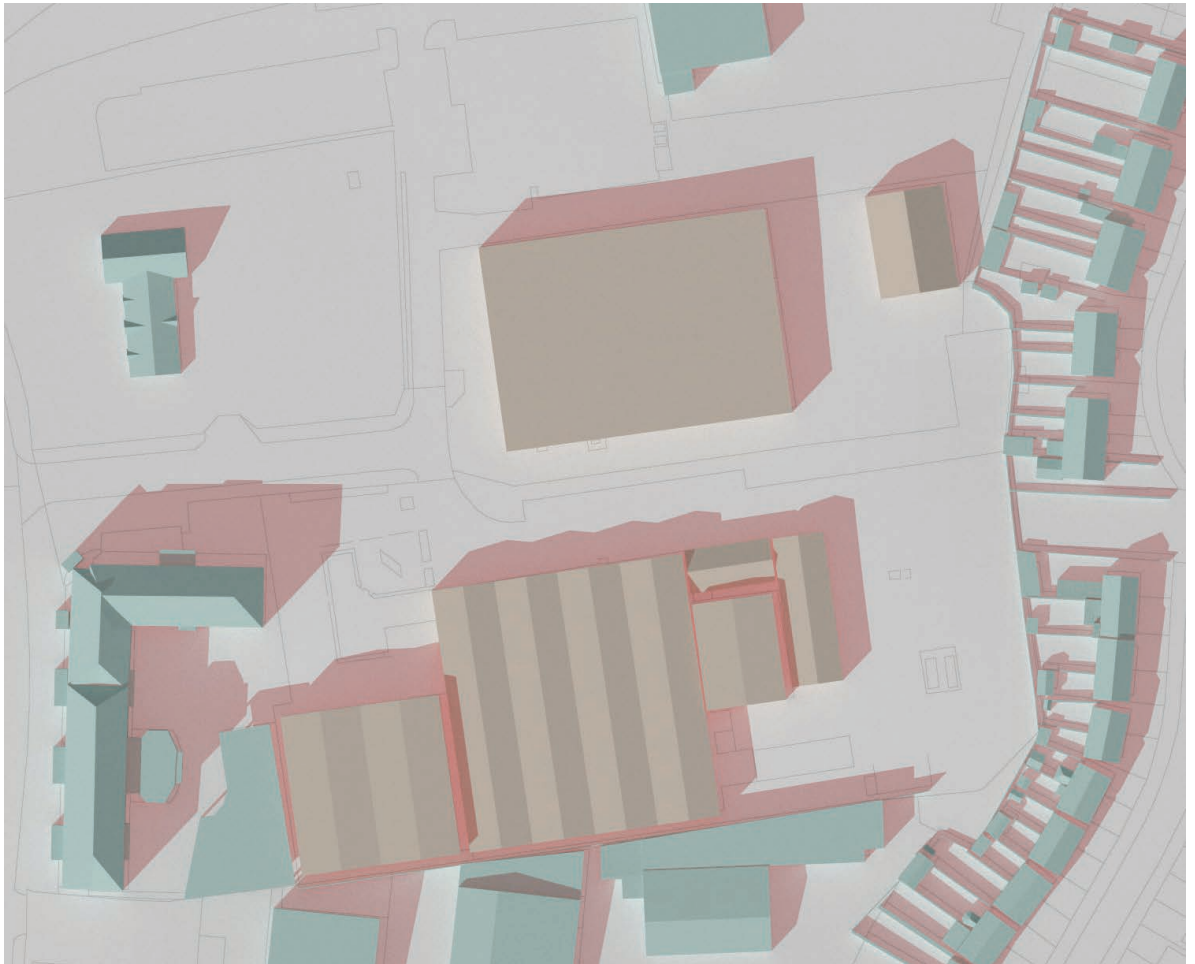


Figure 13: Shadow diagrams 21 March 13:00 UTC

Existing



Proposed

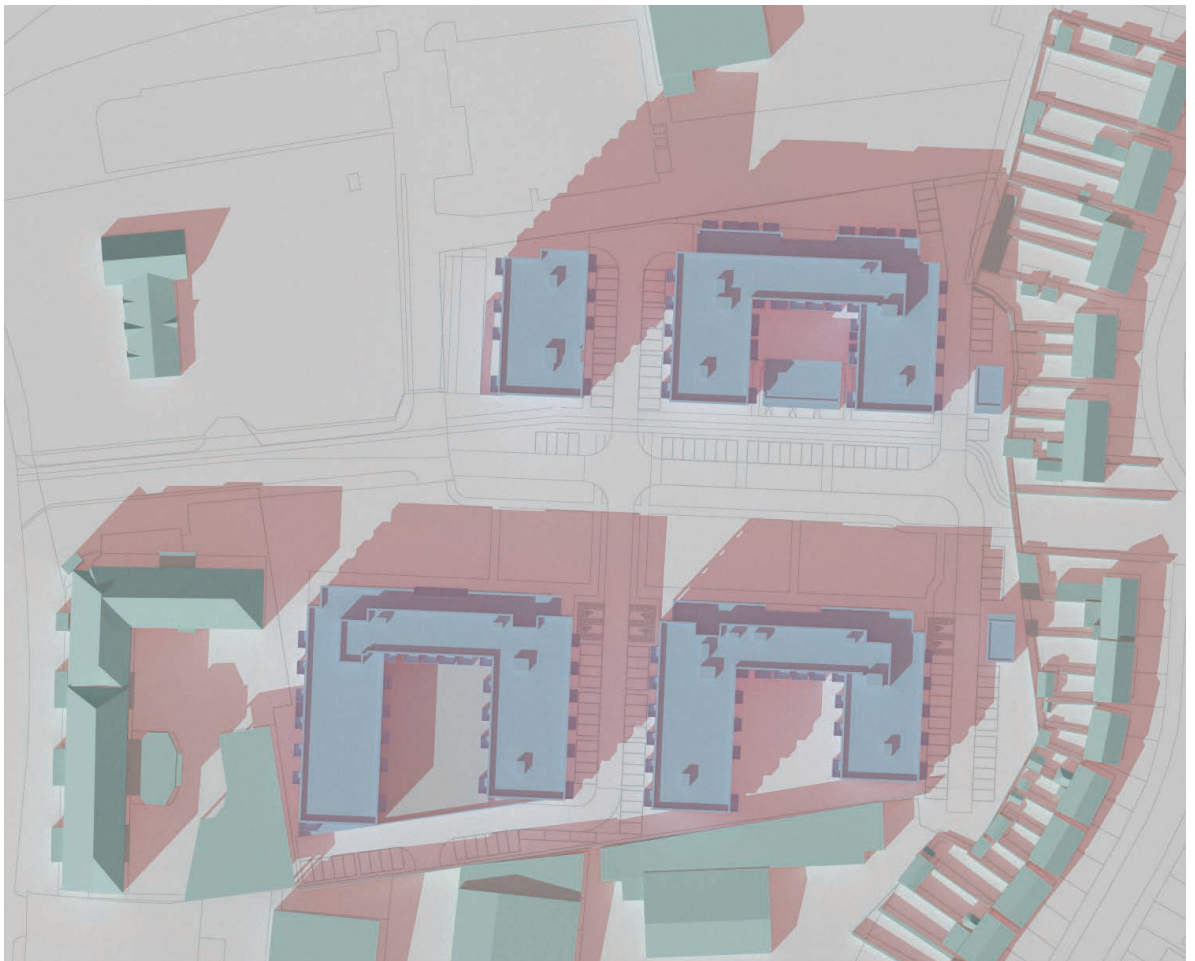
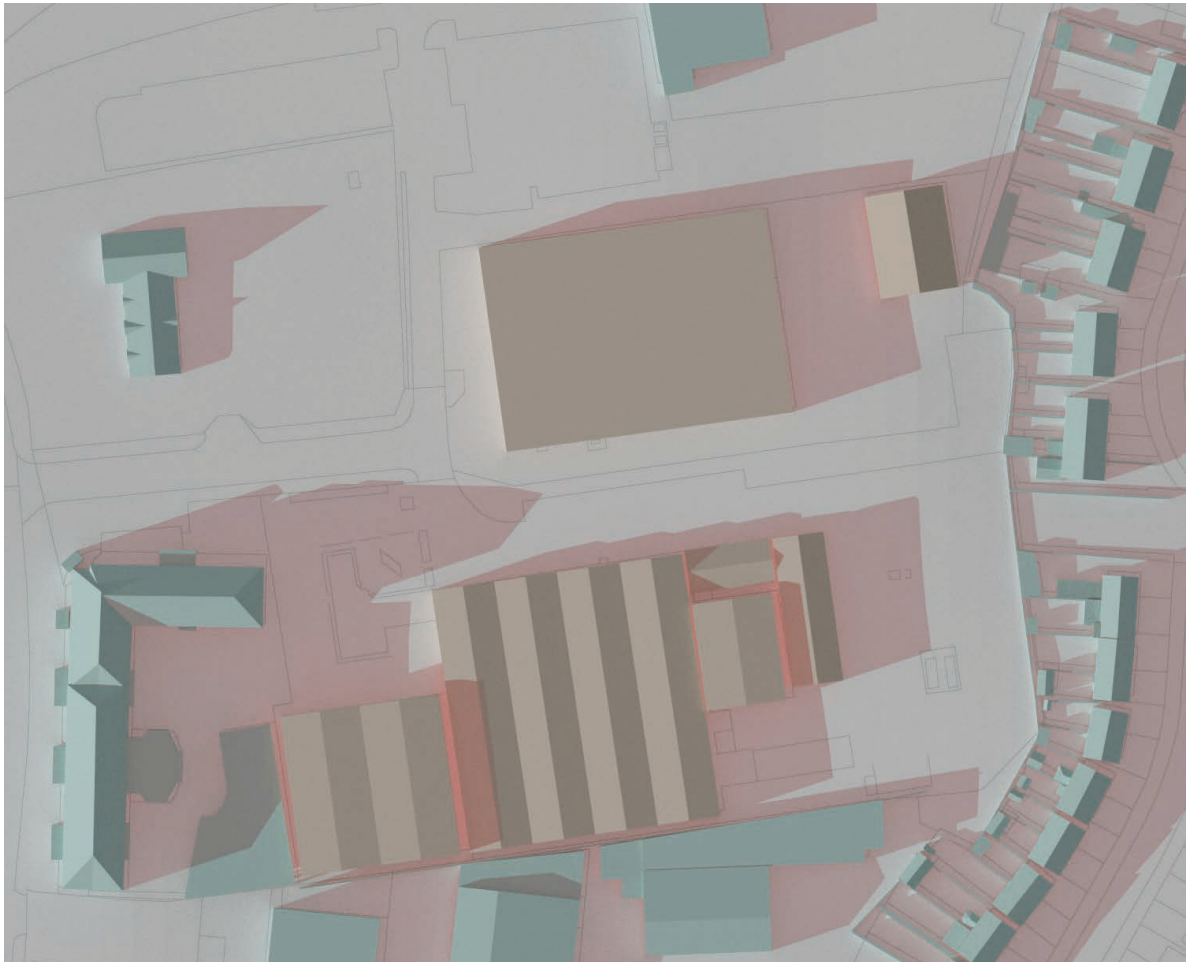


Figure 14: Shadow diagrams 21 March 15:00 UTC

Existing



Proposed

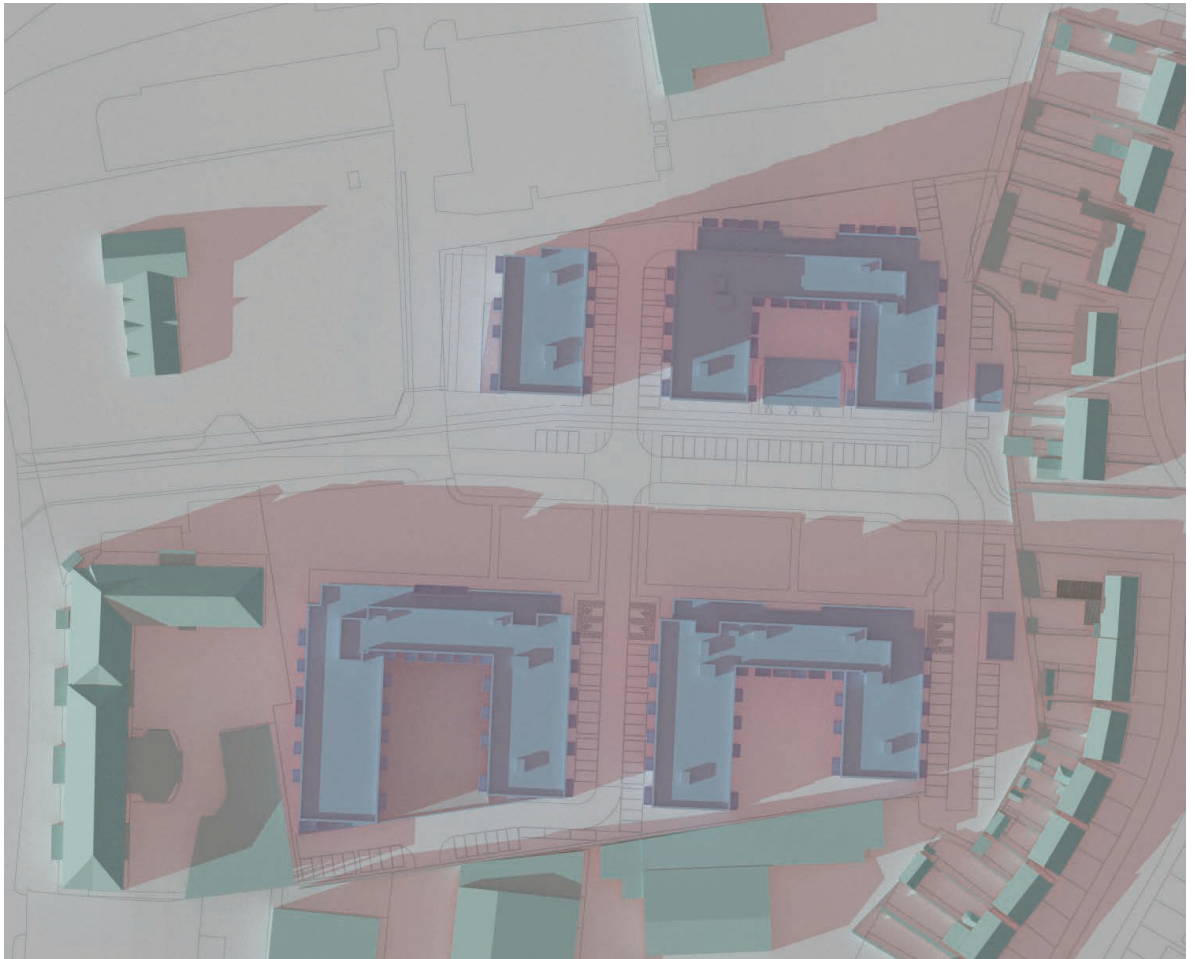
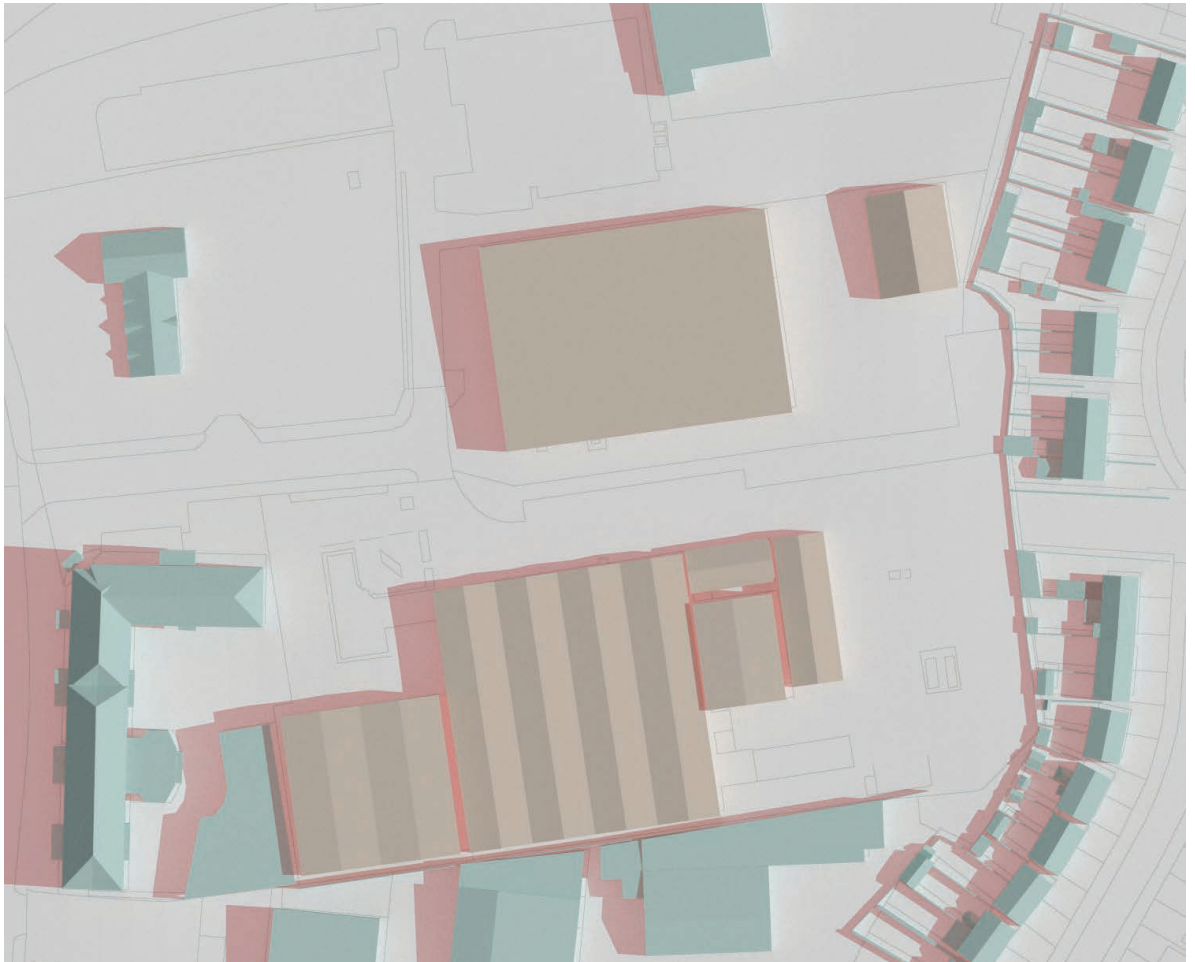


Figure 15: Shadow diagrams 21 March 17:00 UTC

9.3 Shadow Casting diagrams June Solstice

Existing



Proposed

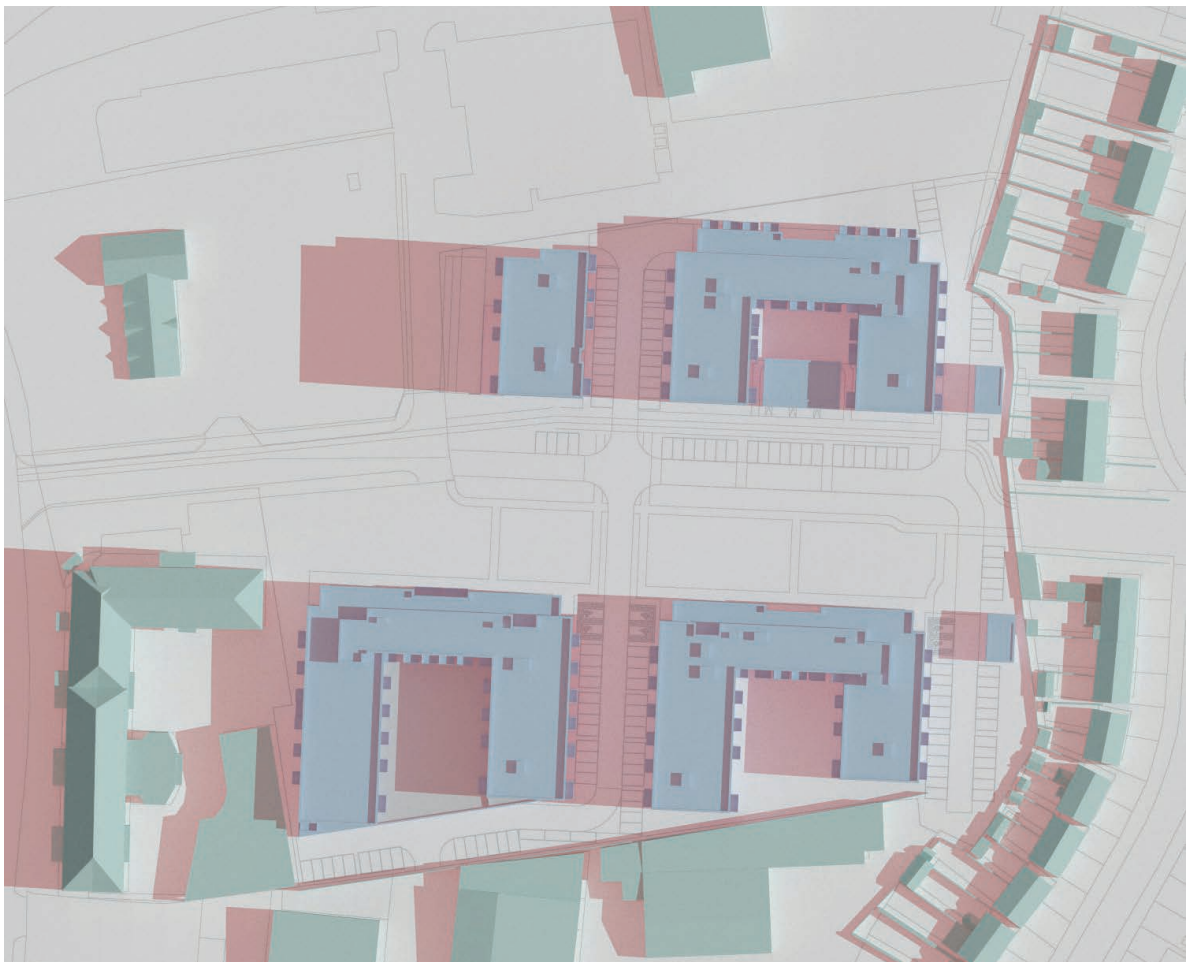
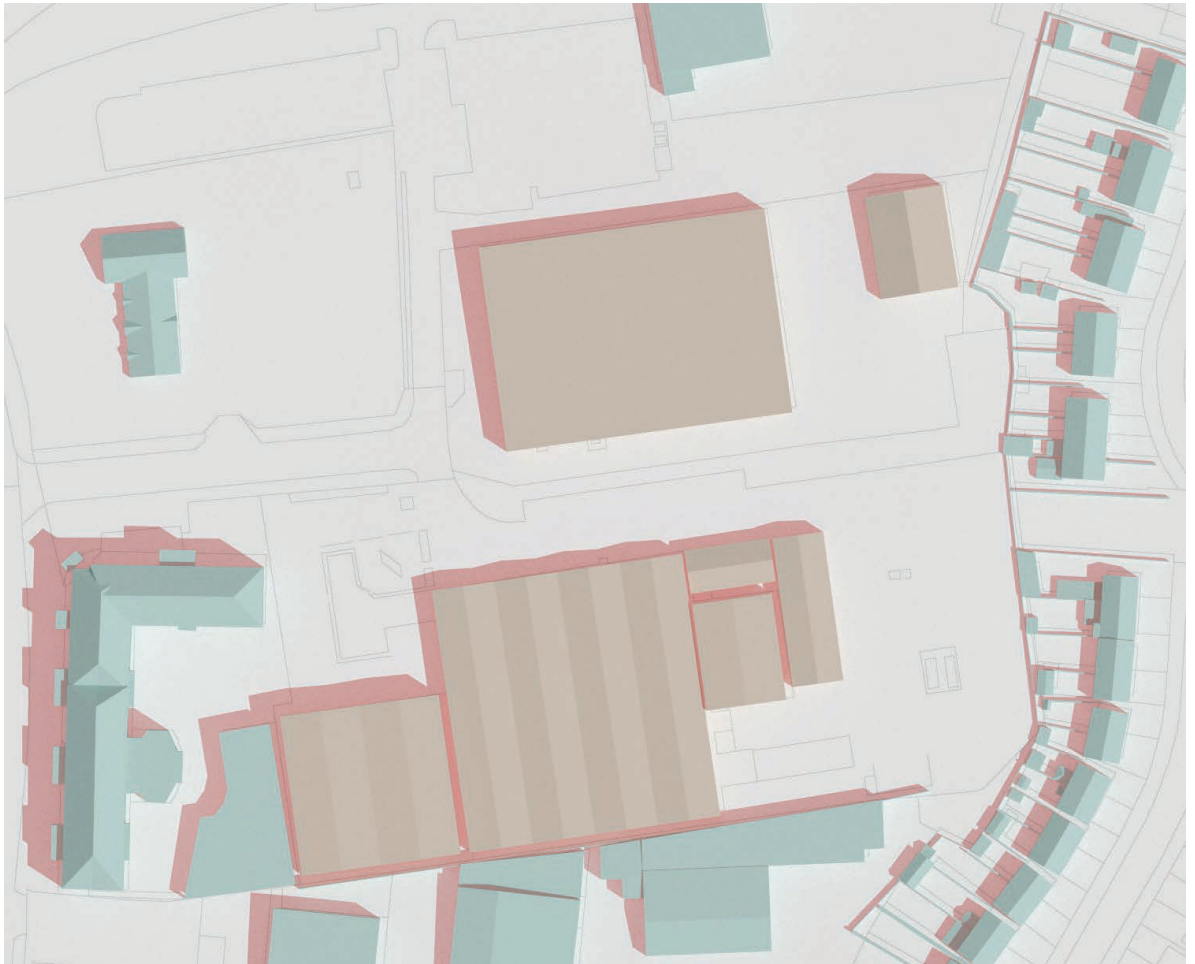


Figure 16: Shadow diagrams 21 June 09.00 UTC +1

Existing



Proposed

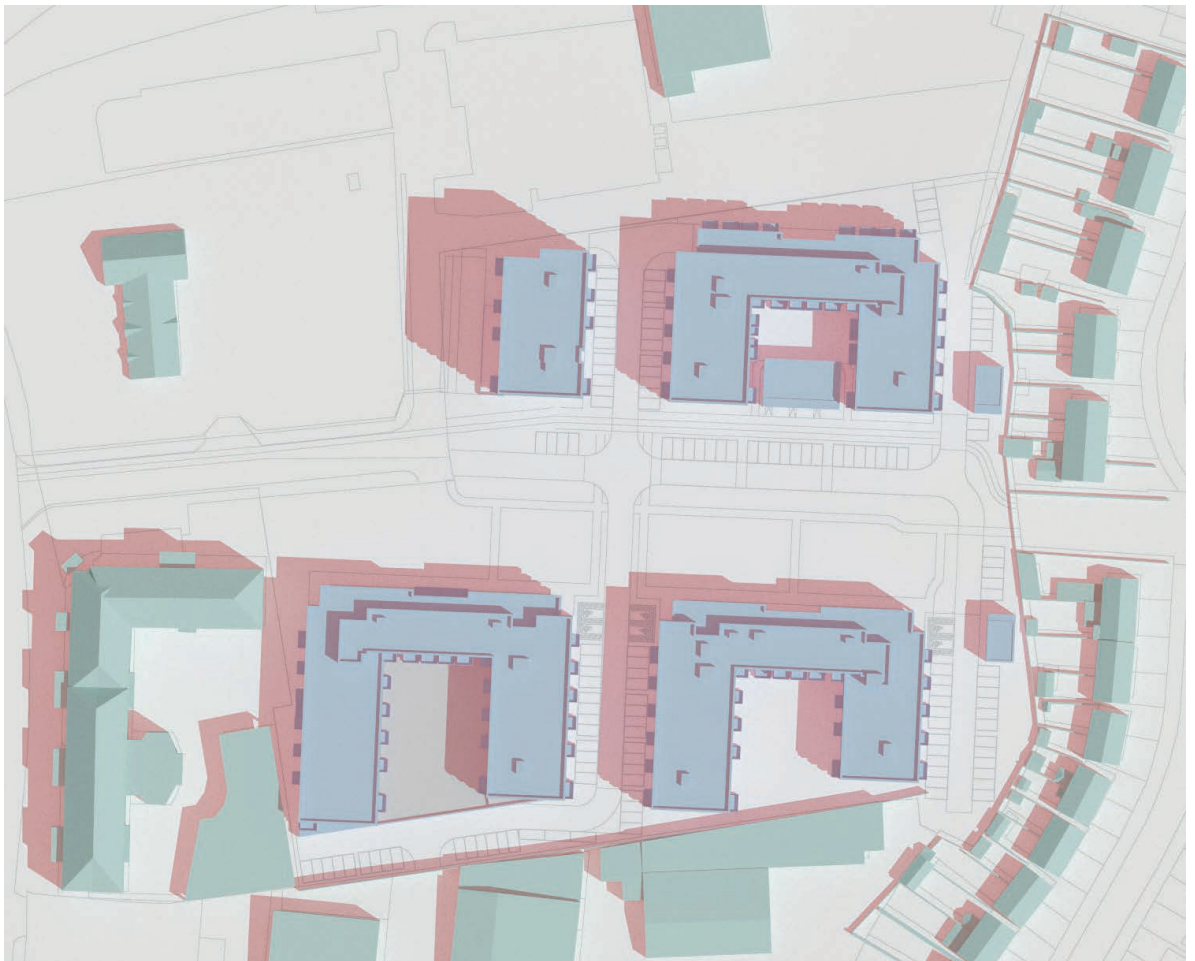
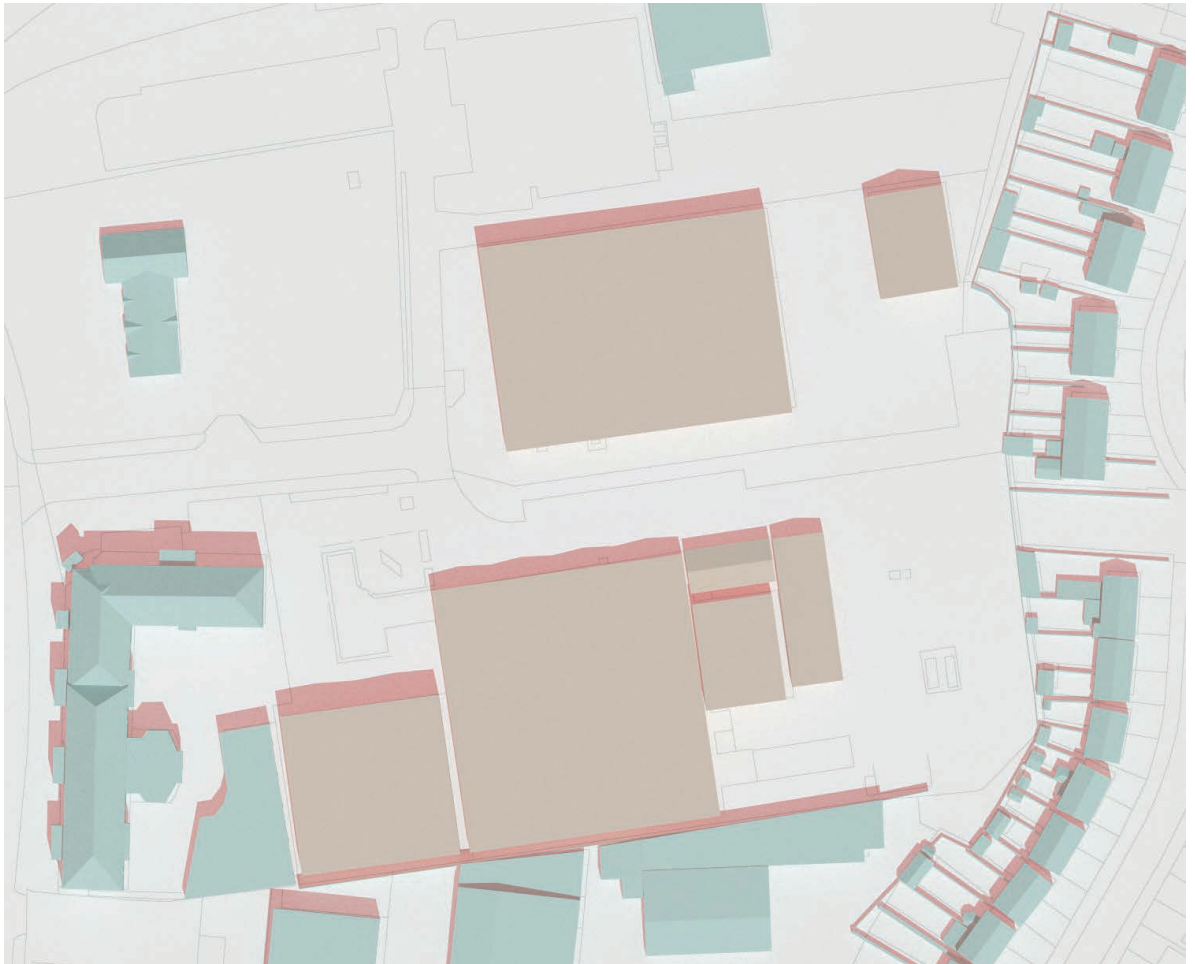


Figure 17: Shadow diagrams 21 June 11:00 UTC +1

Existing



Proposed

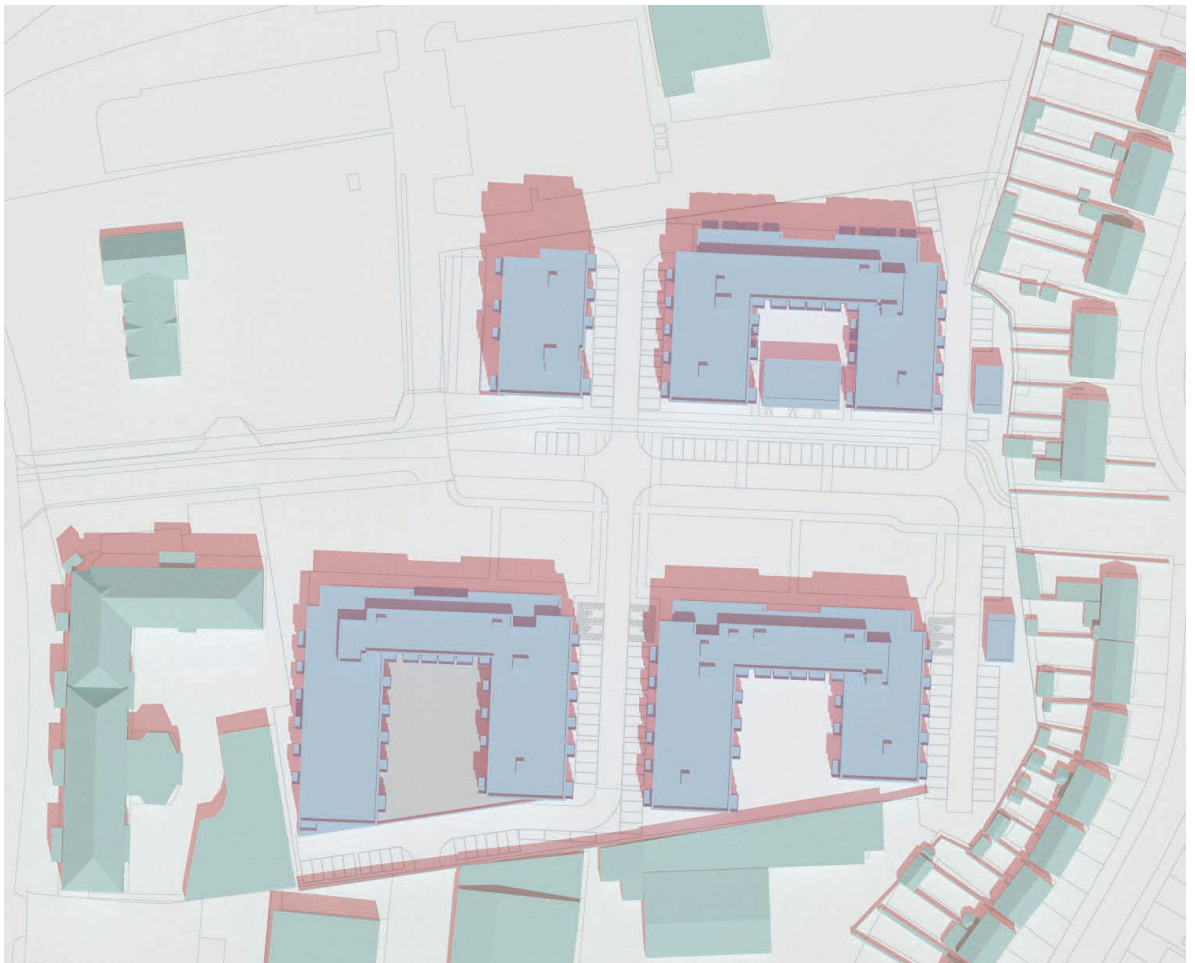
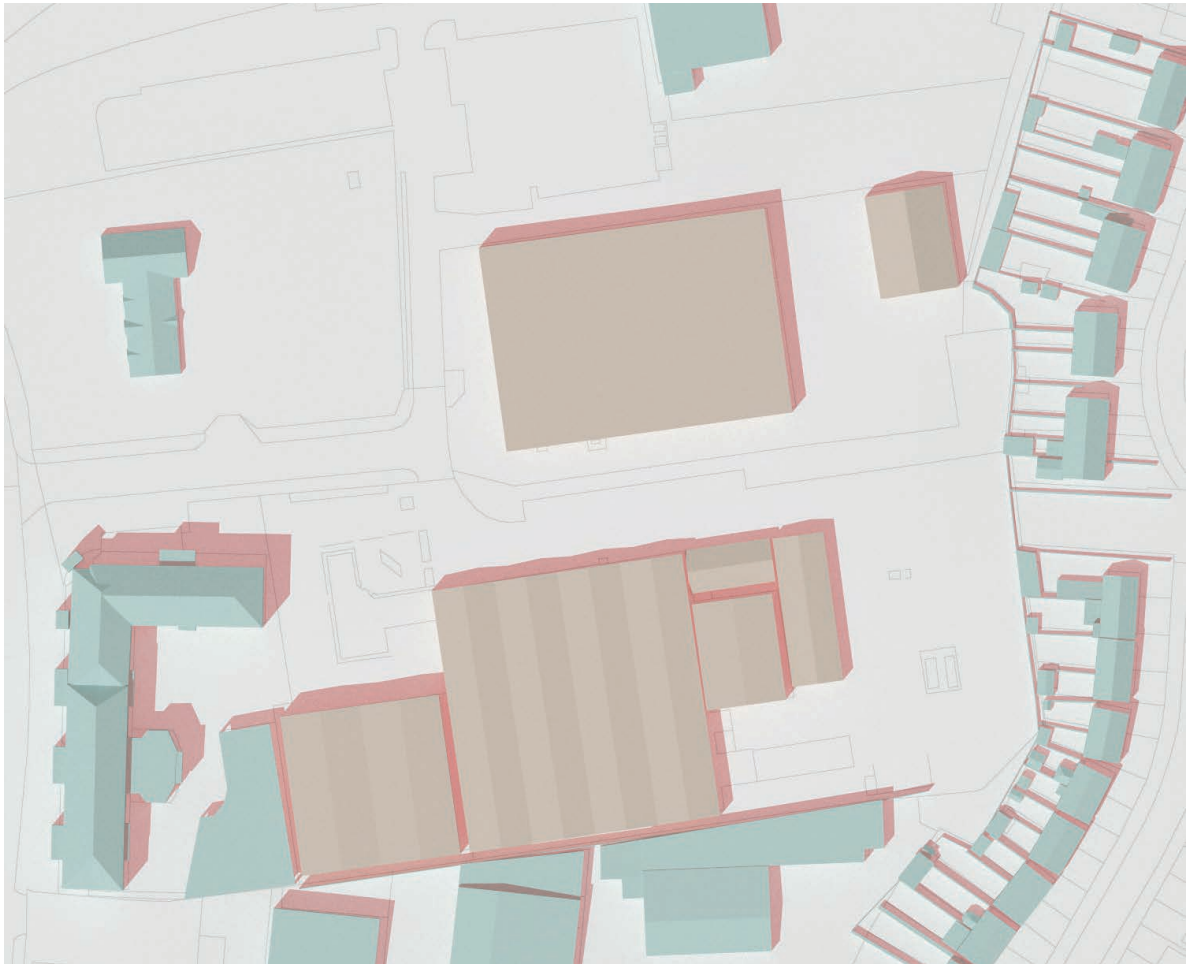


Figure 18: Shadow diagrams 21 June 13:00 UTC +1

Existing



Proposed

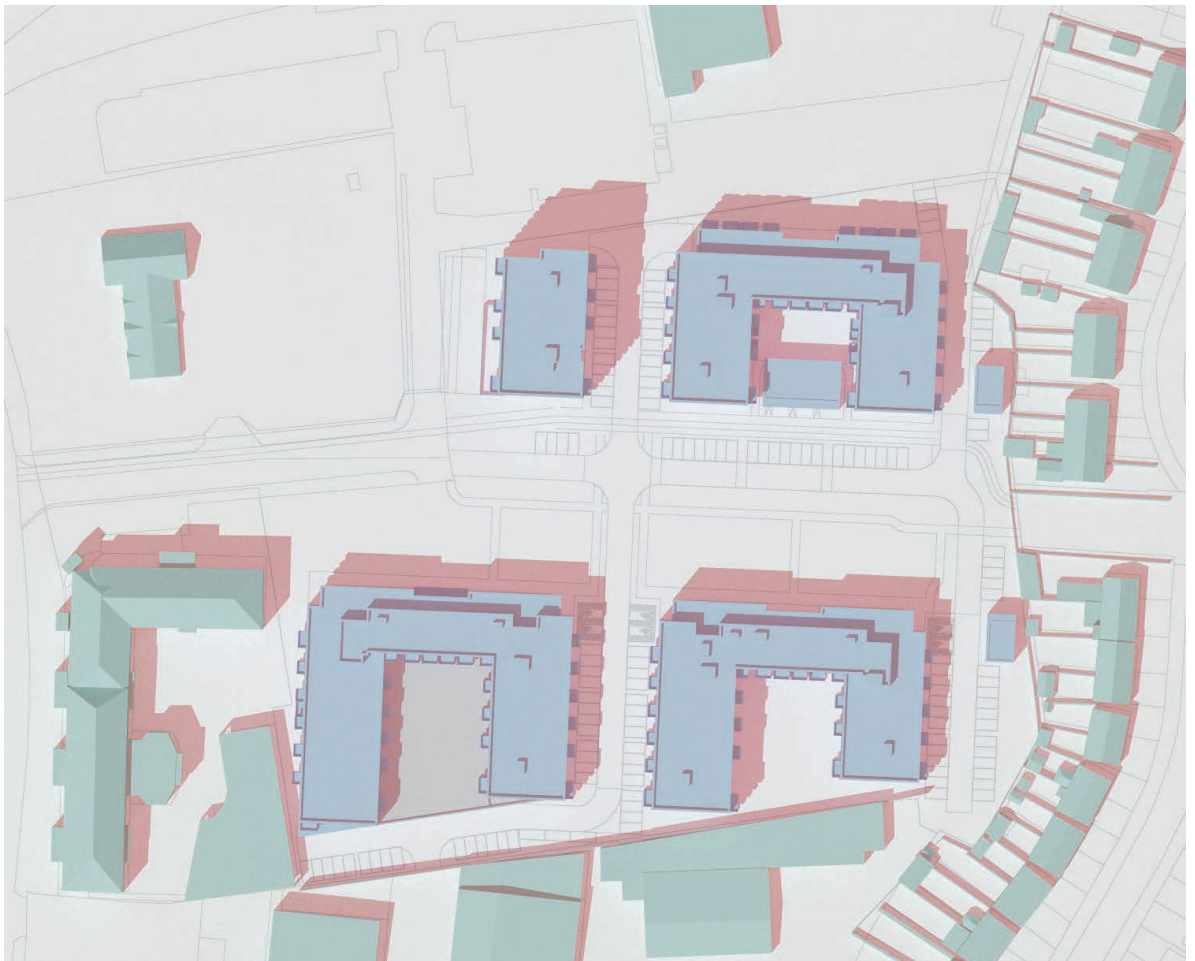
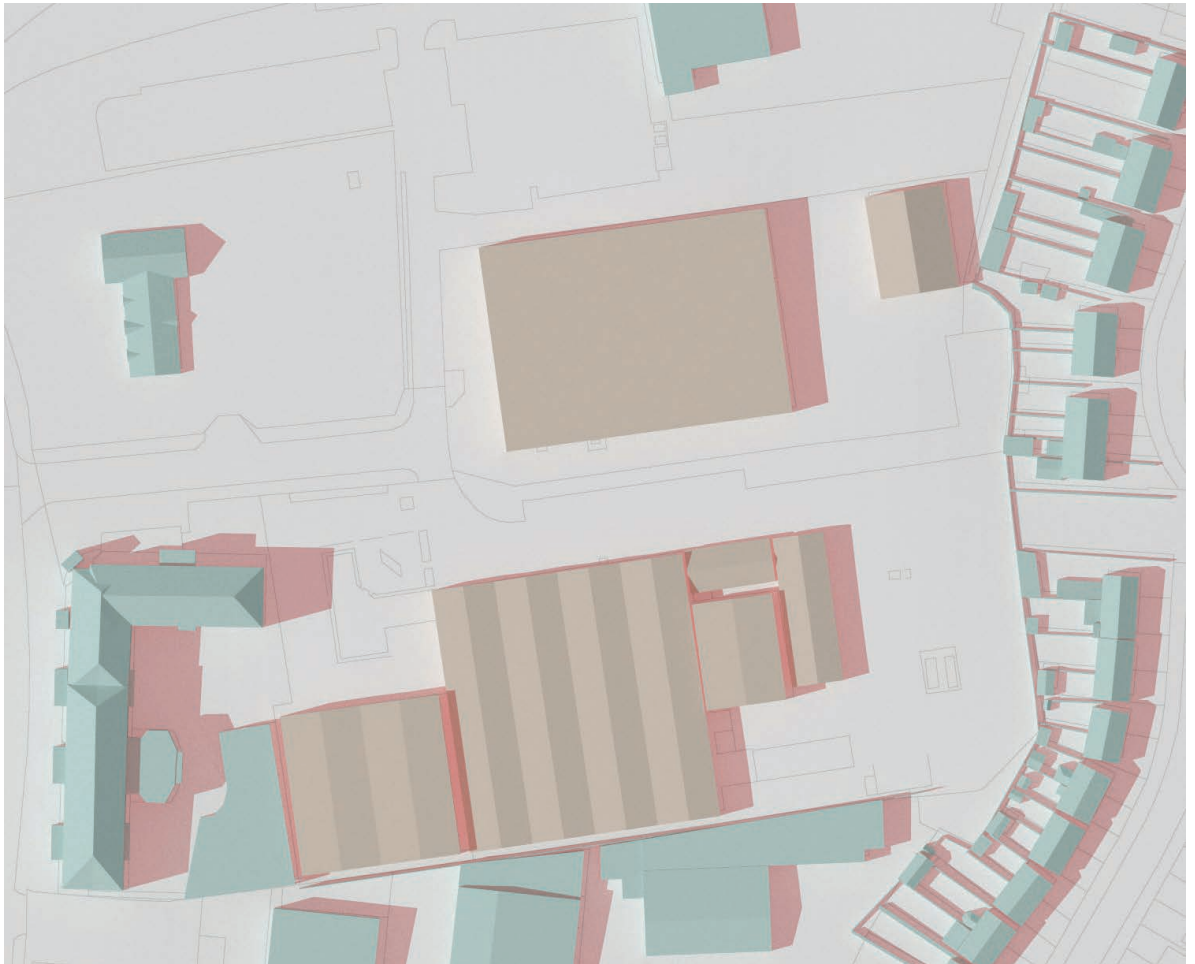


Figure 19: Shadow diagrams 21 June 15:00 UTC +1

Existing



Proposed

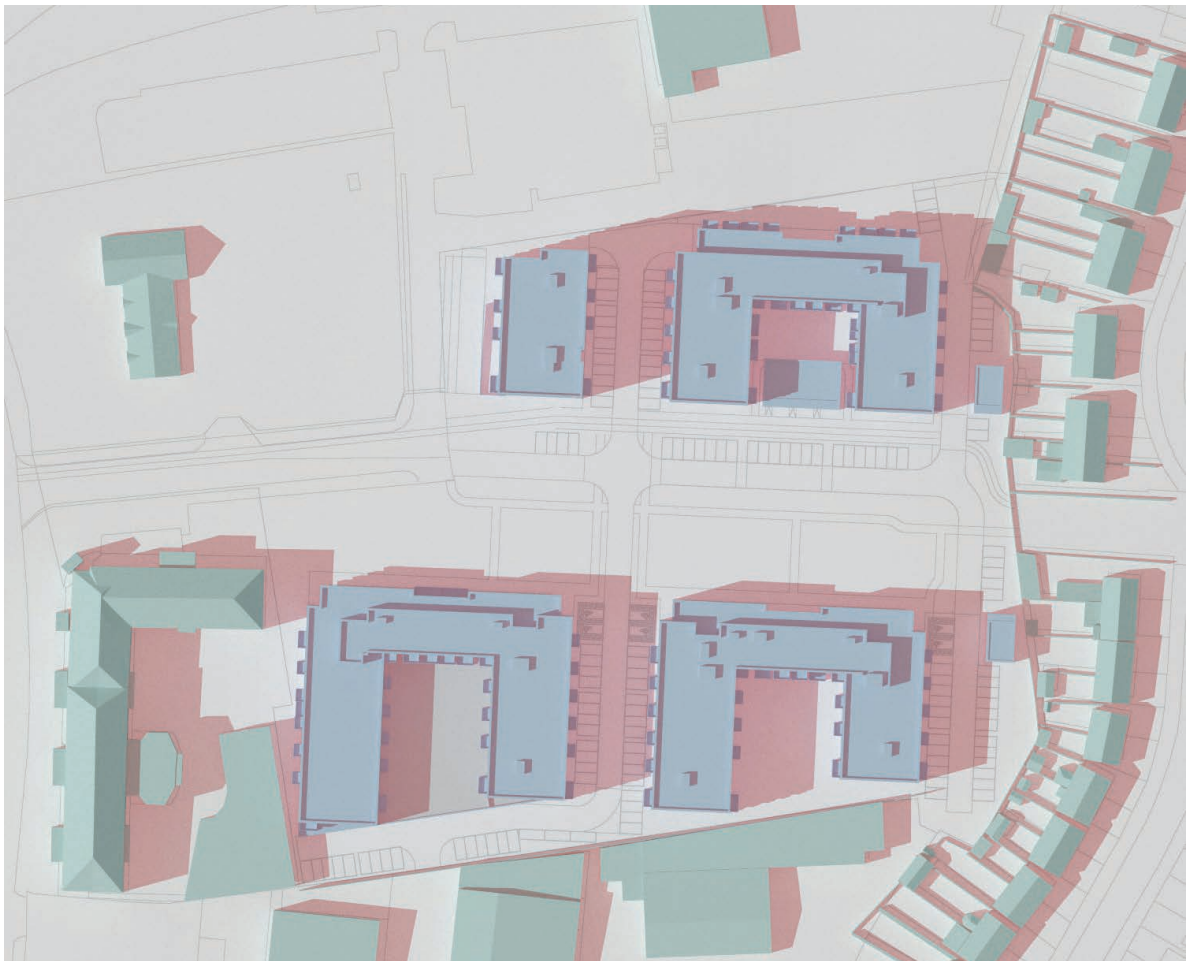
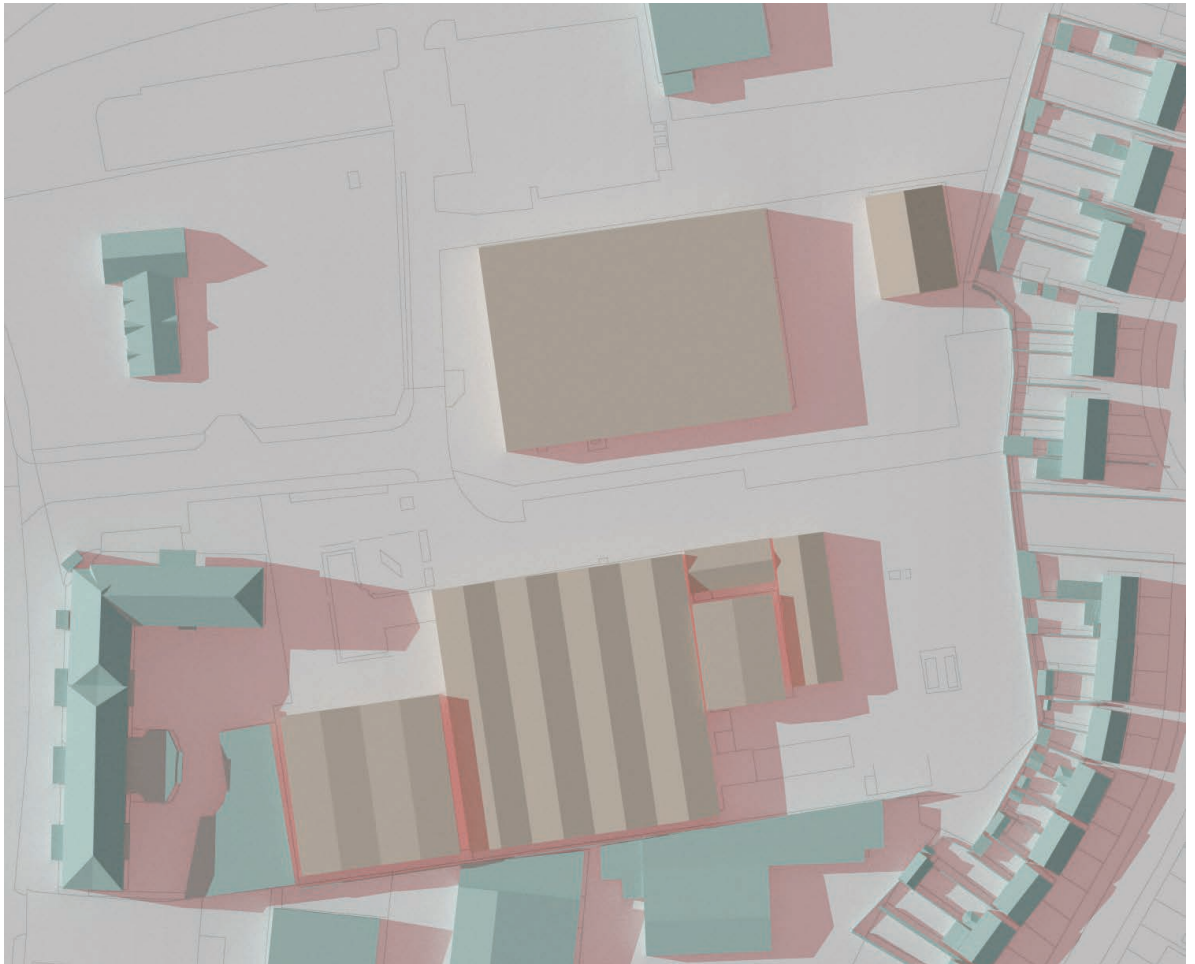


Figure 20: Shadow diagrams 21 June 17:00 UTC +1

Existing



Proposed

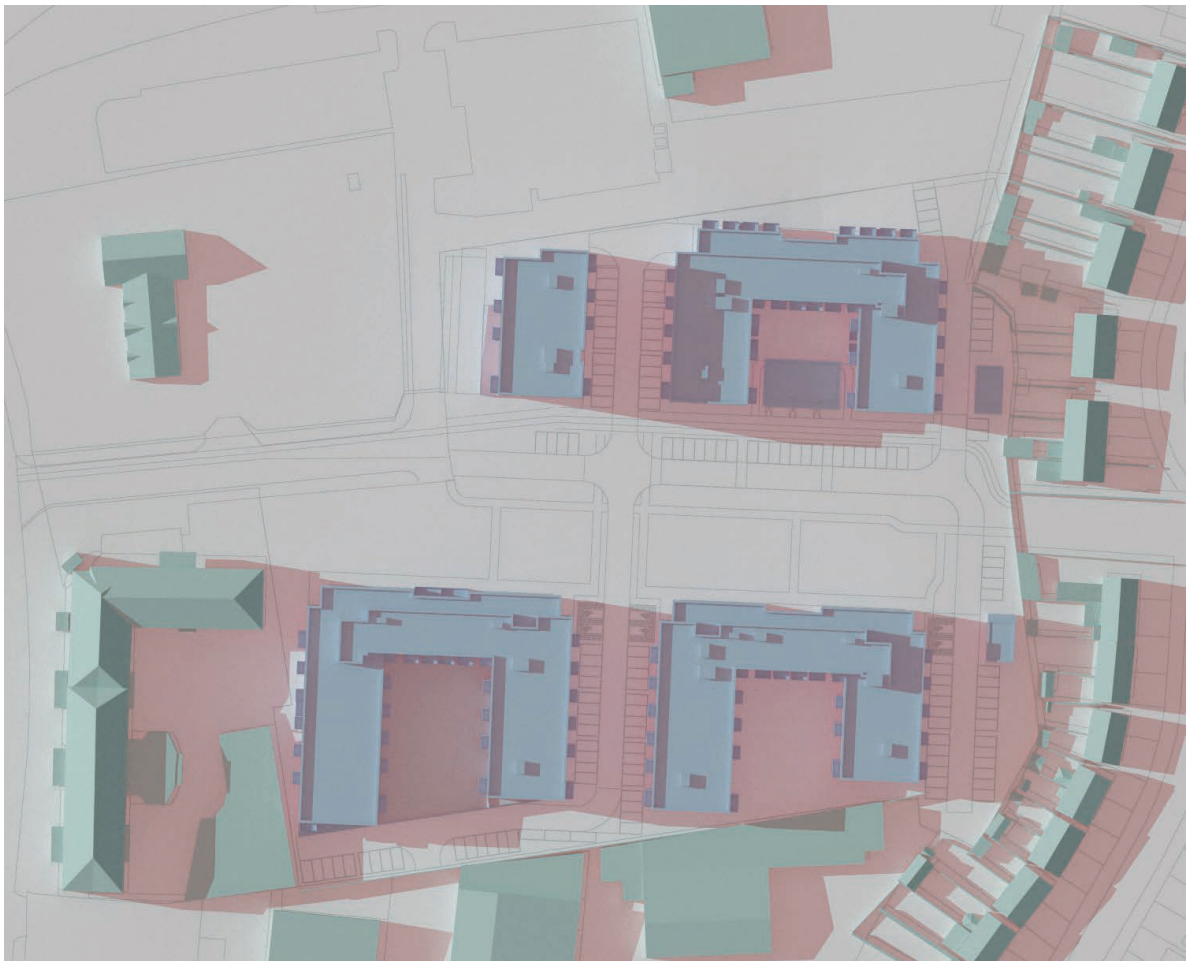
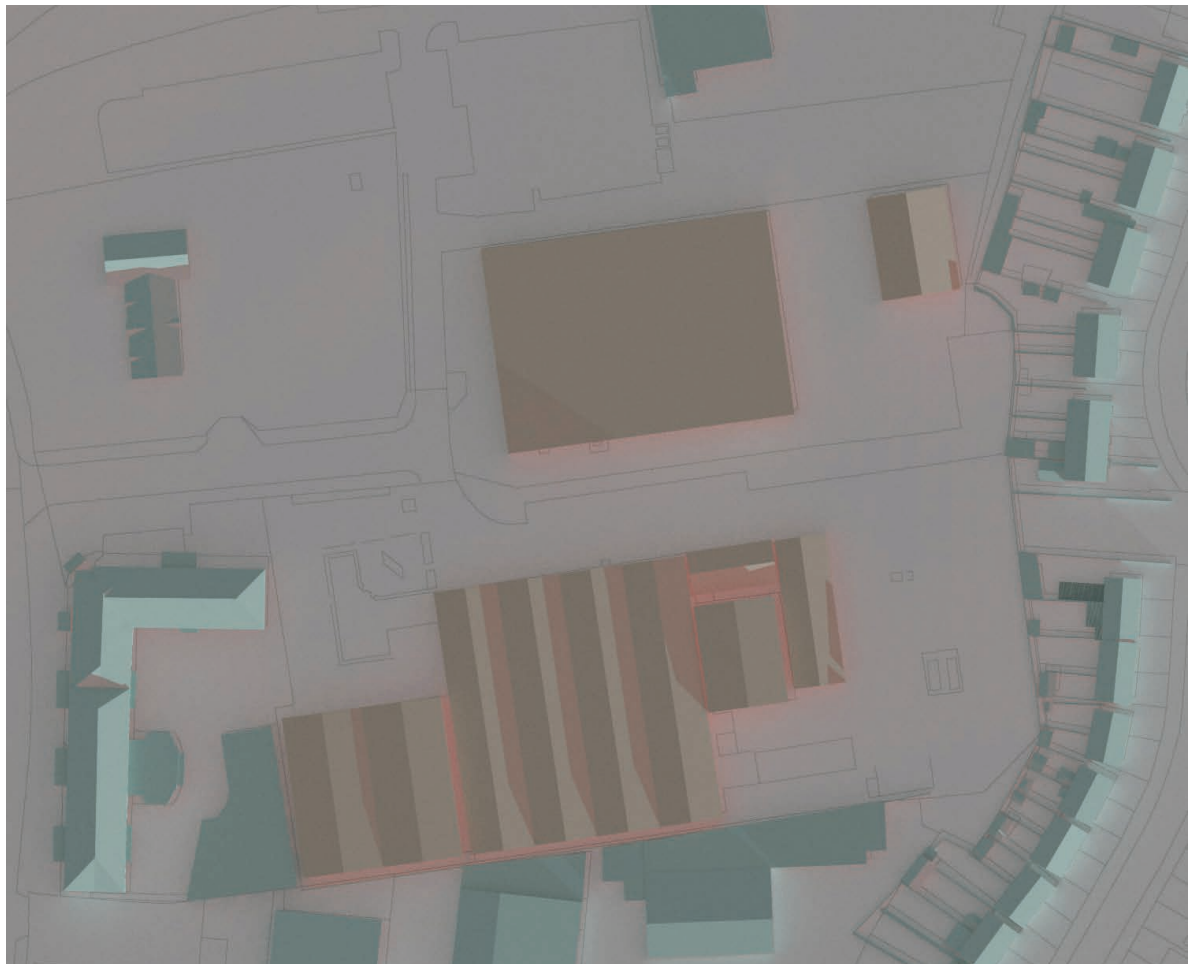


Figure 21: Shadow diagrams 21 June 19:00 UTC +1

9.4 Shadow Casting diagrams December Solstice

Existing



Proposed

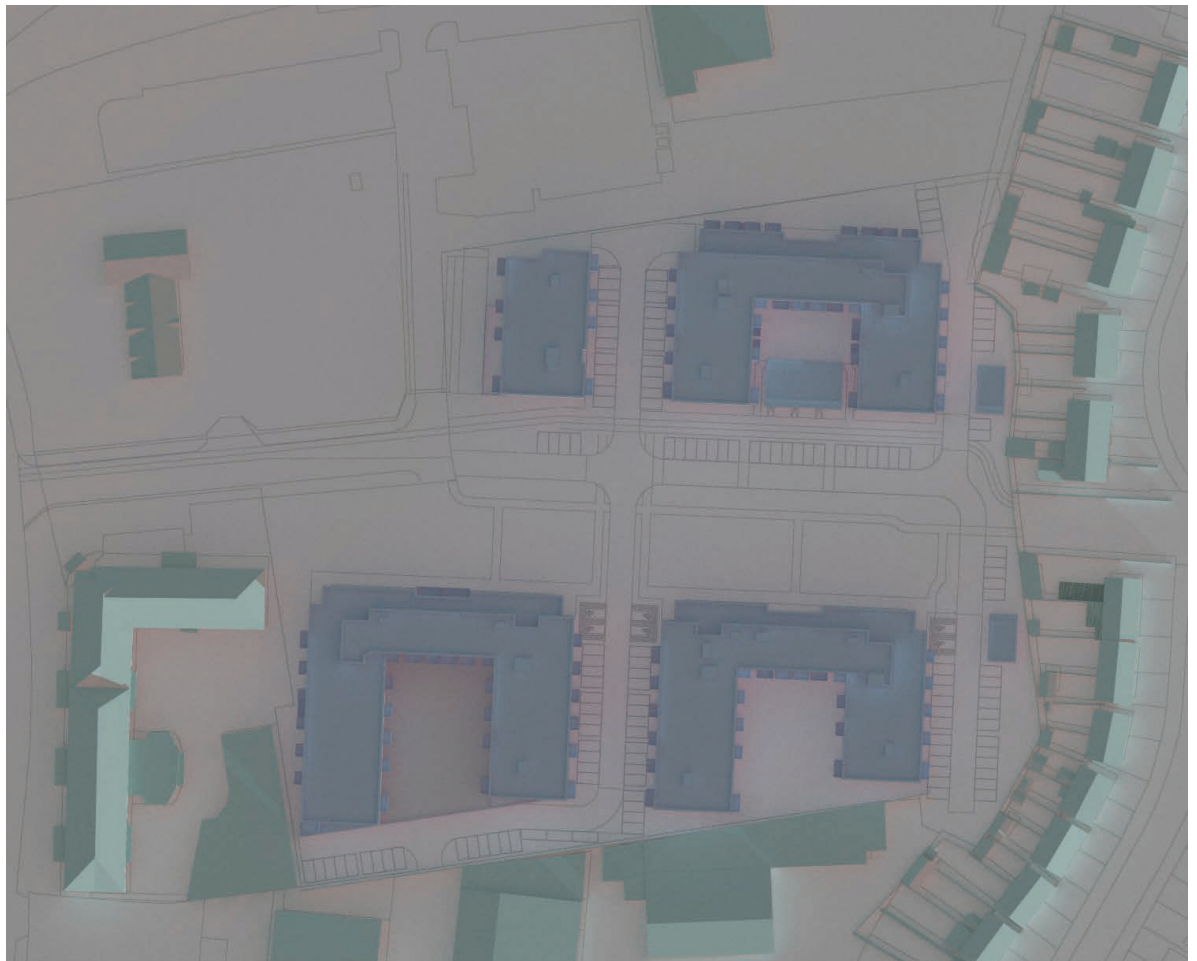
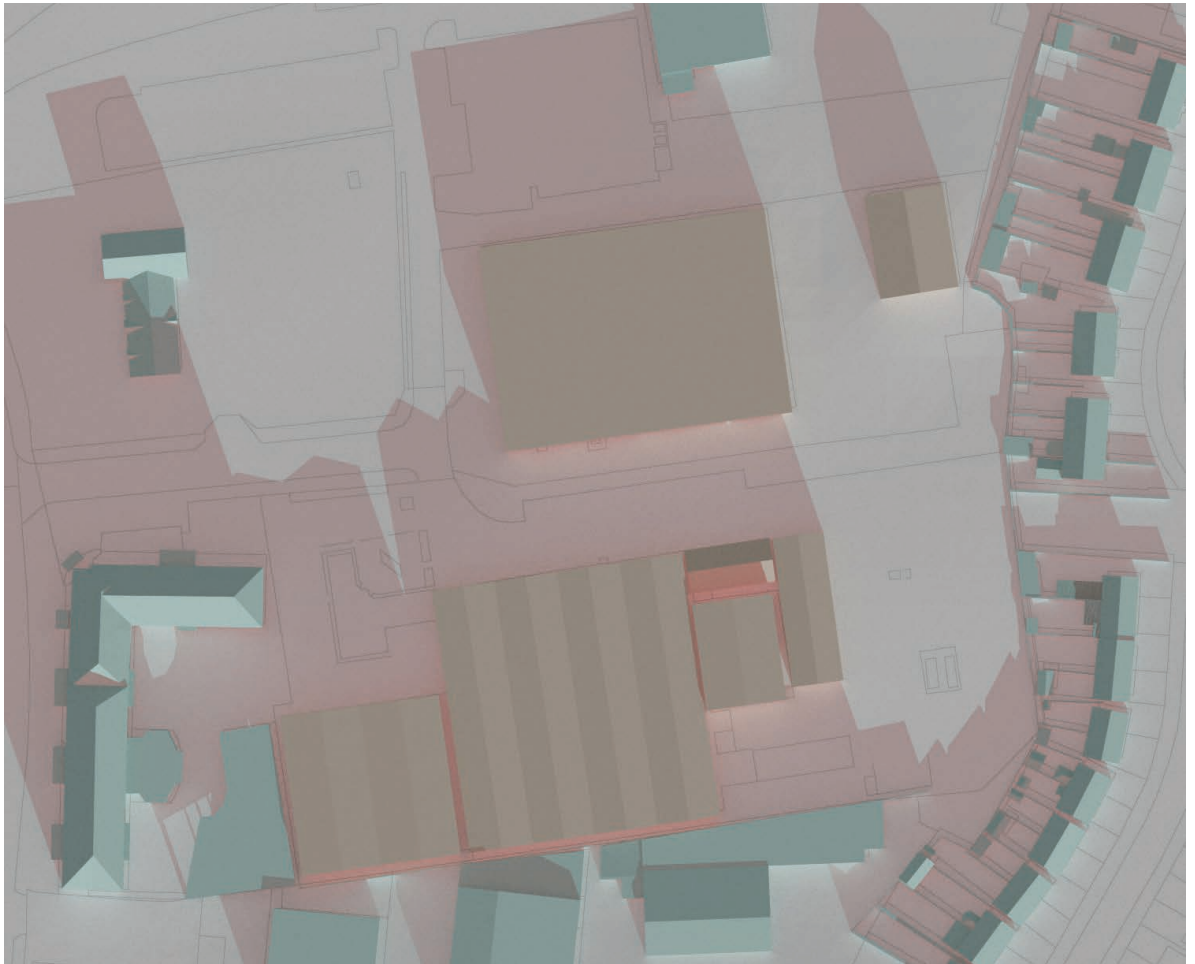


Figure 22: Shadow diagrams 21 December 09:00 UTC

Existing



Proposed

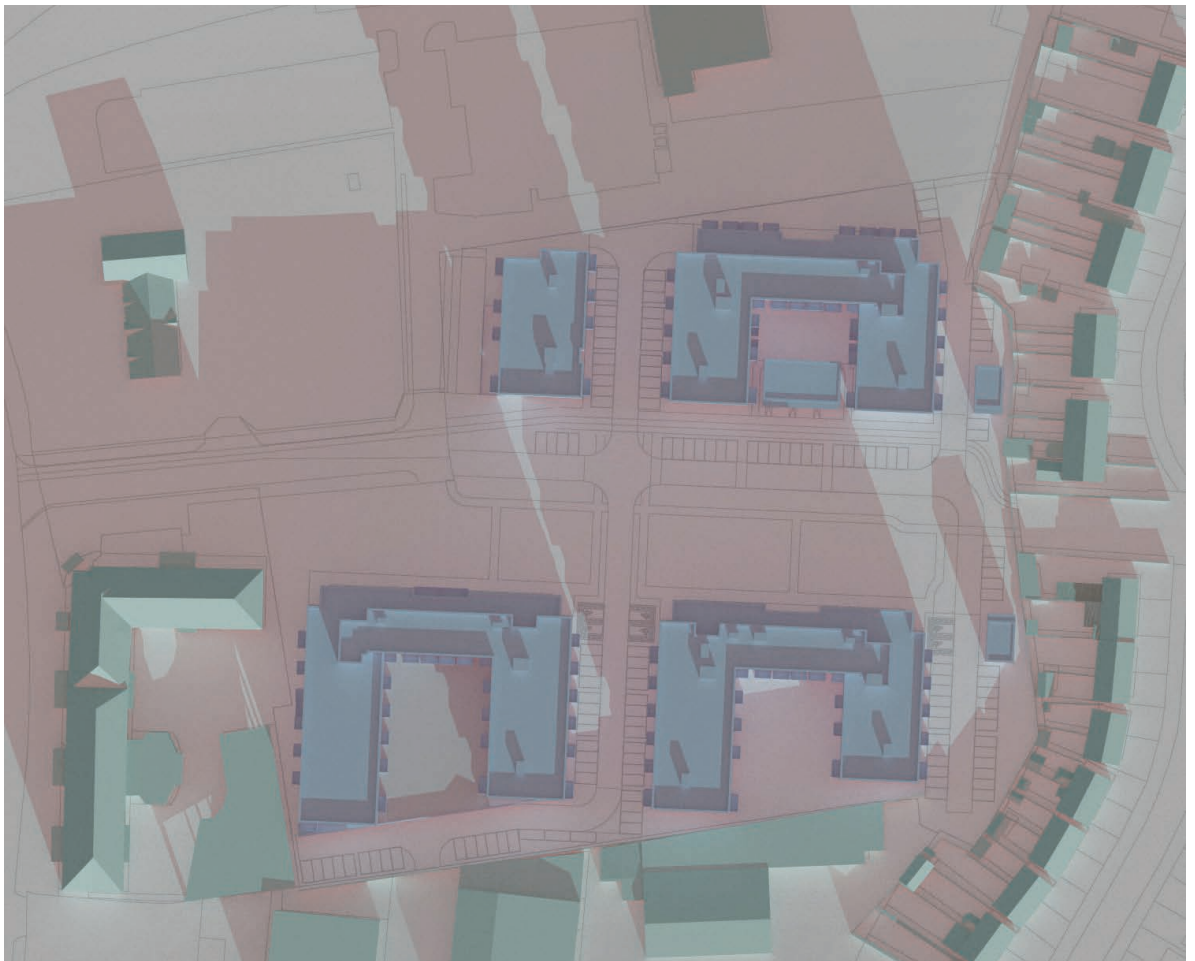
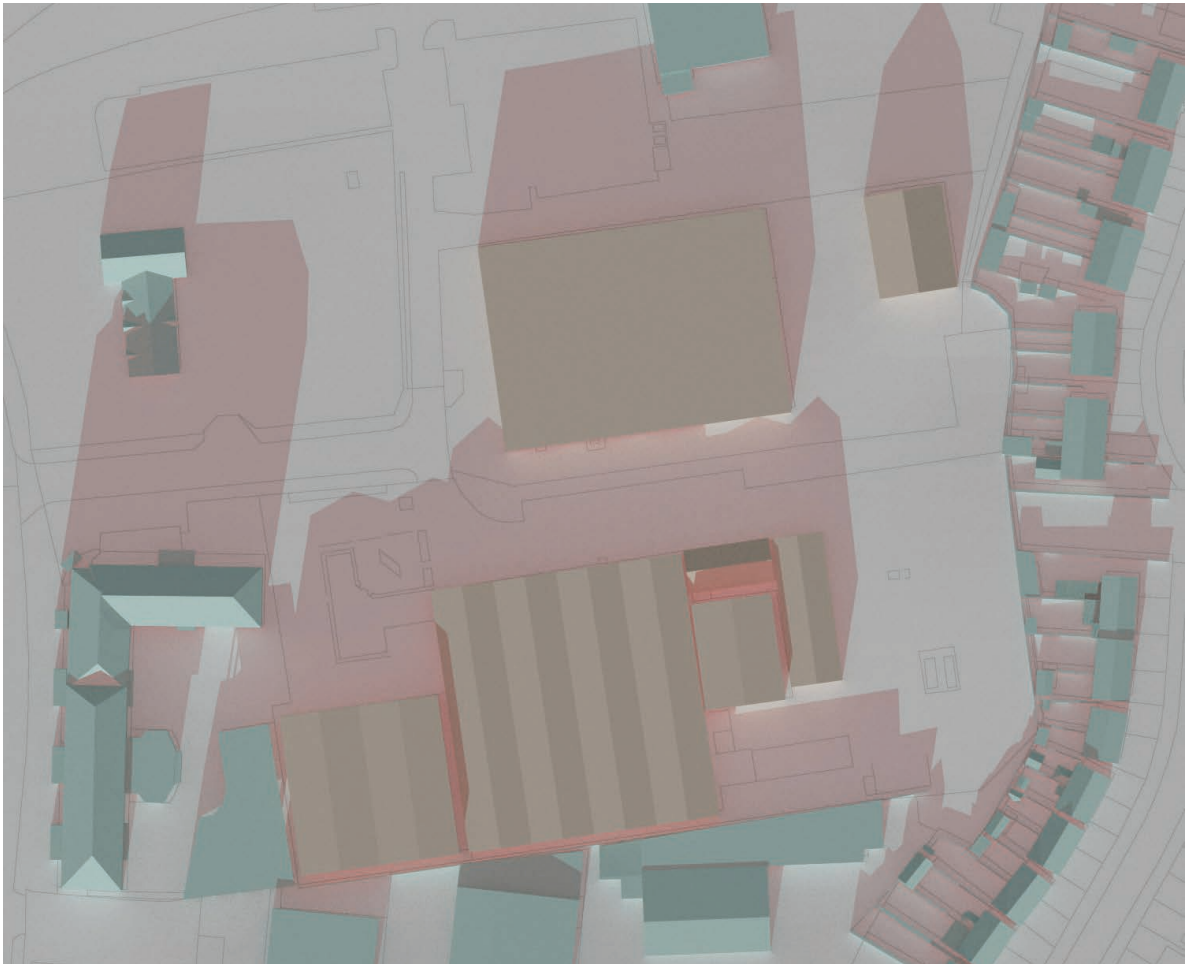


Figure 23: Shadow diagrams 21 December 11:00 UTC

Existing



Proposed

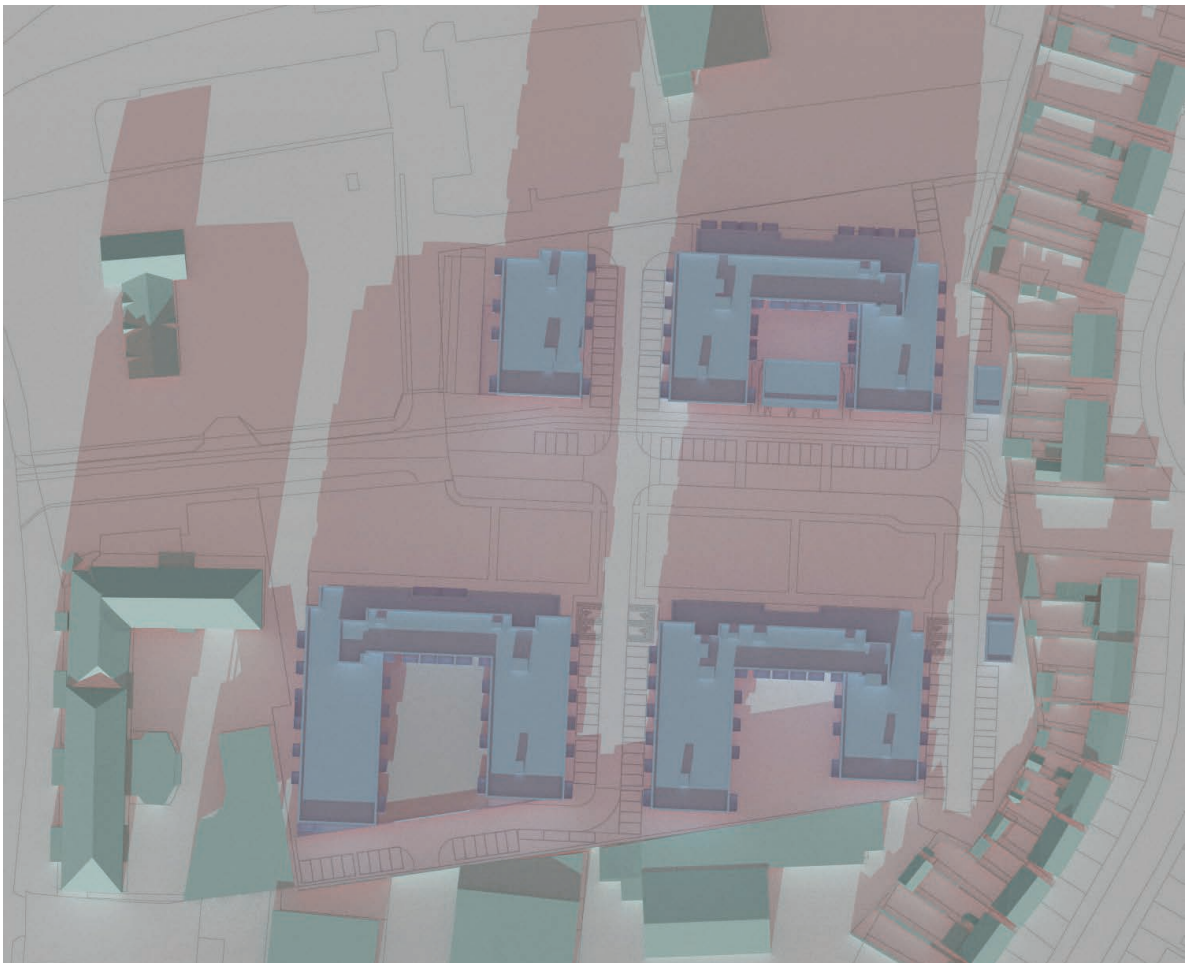
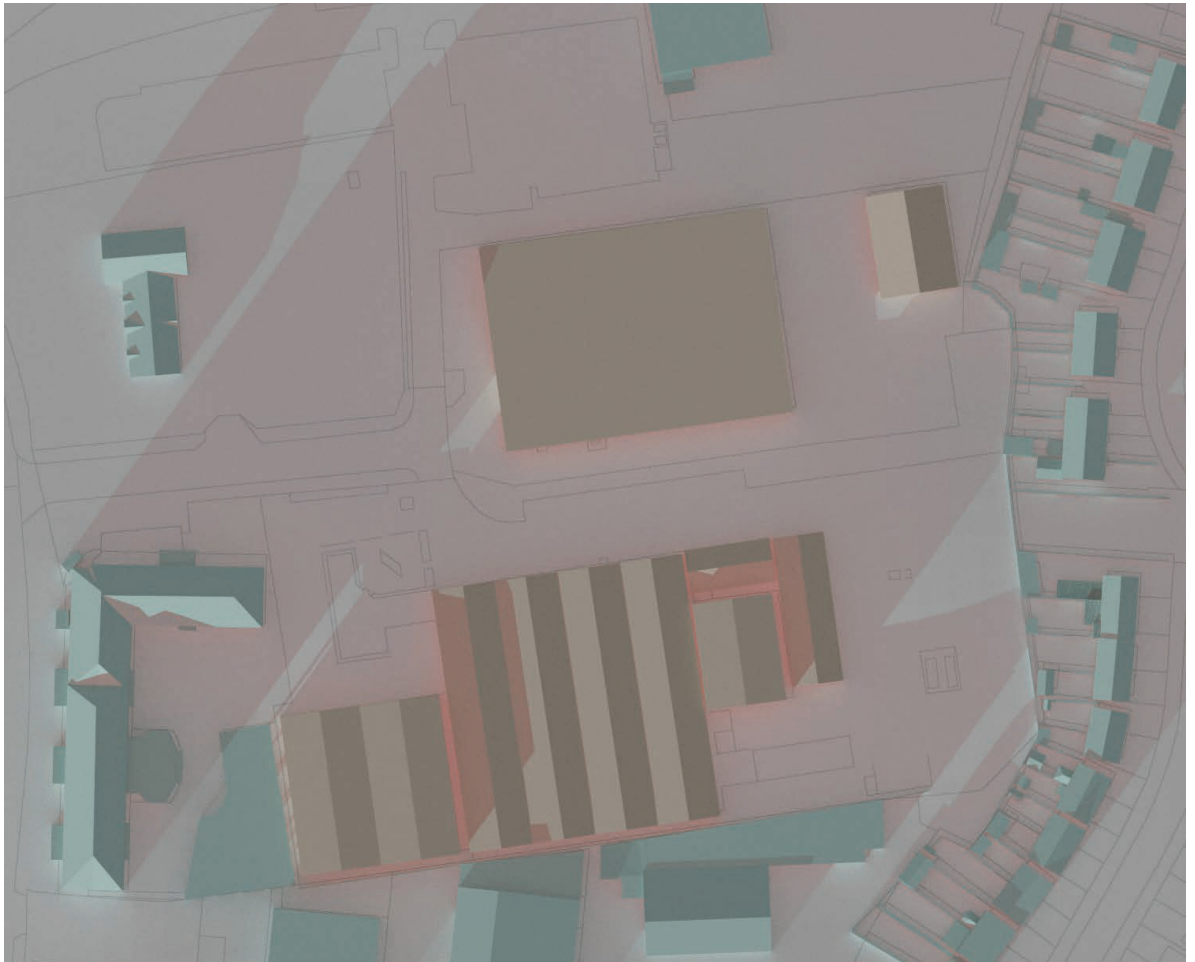


Figure 24: Shadow diagrams 21 December 13:00 UTC

Existing



Proposed

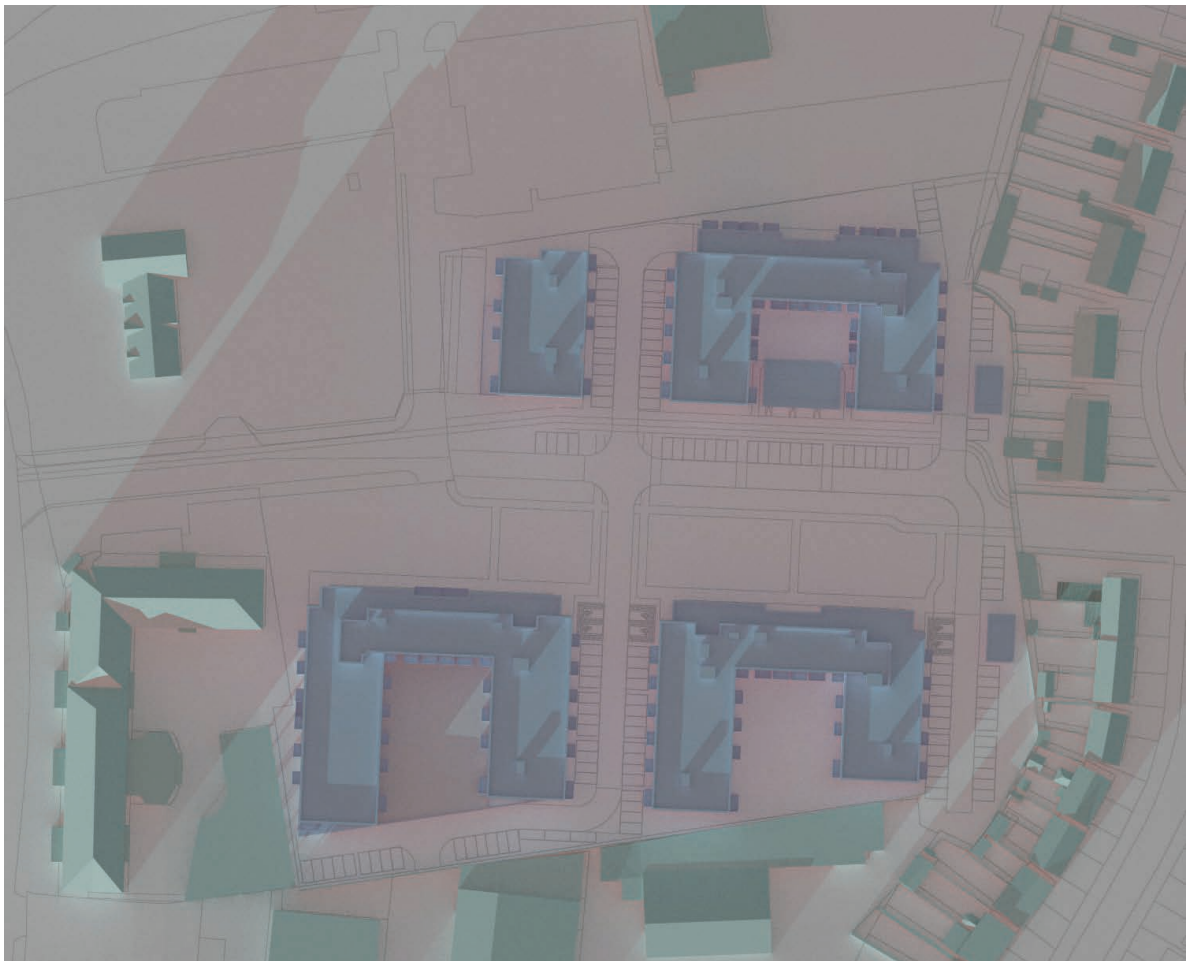


Figure 25: Shadow diagrams 21 December 15:00 UTC

Daylight & Sunlight Assessments of a Residential Development at Elmfield, Ninth Lock Road, Clondalkin, Co. Dublin.

Document 2 of 2 - Appendices

Applicant: Thornmeadow Developments Limited

Date: 19th June 2026

Prepared by

Ann Canning B. Arch Sc., MSc. Energy Retrofit Technologies, MRIA

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web digitaldimensions.ie Digital Dimensions Ltd trading as Digital Dimensions.

Appendix A - BS EN 17037:2018+A1:2021 Minimum room specific Daylight Provision in accordance with UK National Annex Table NA.1.

Block 1

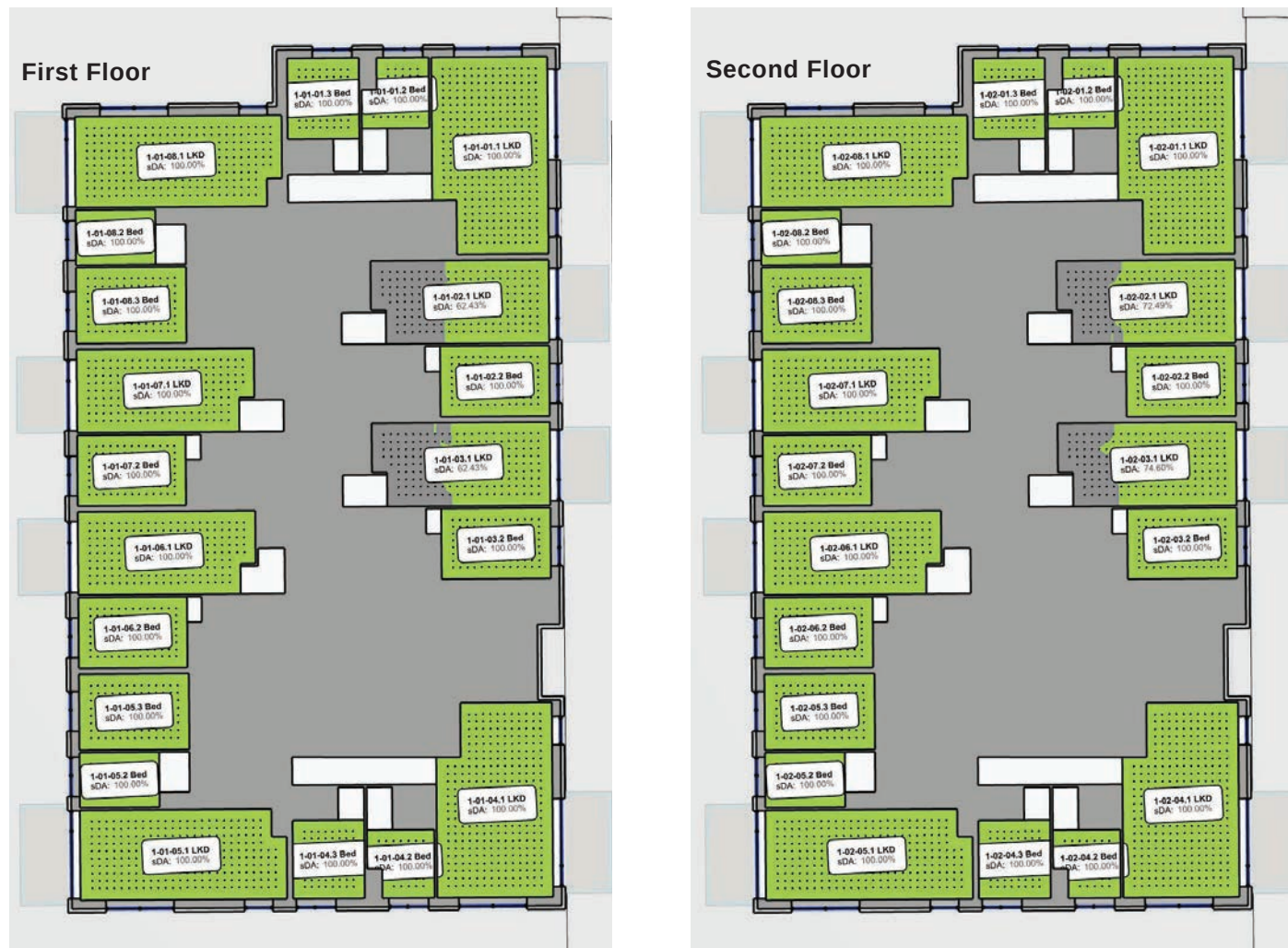
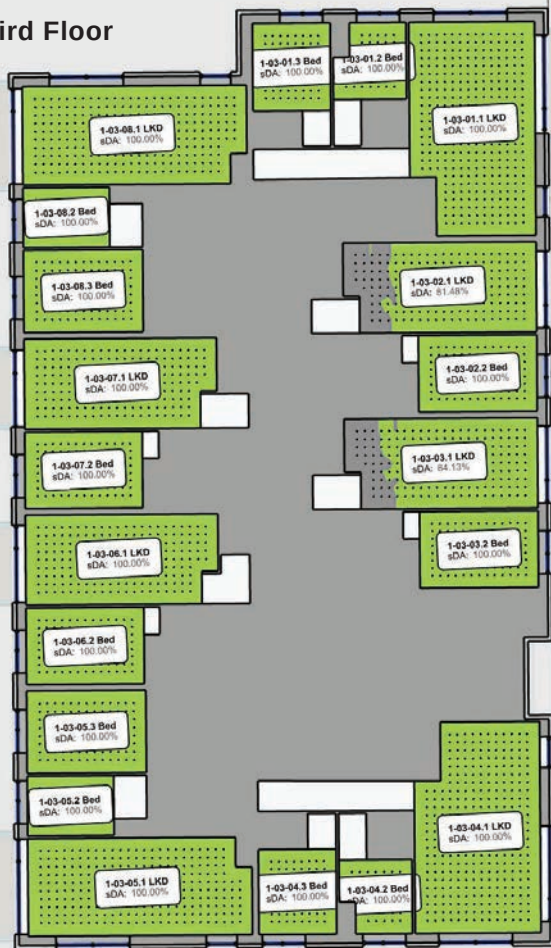
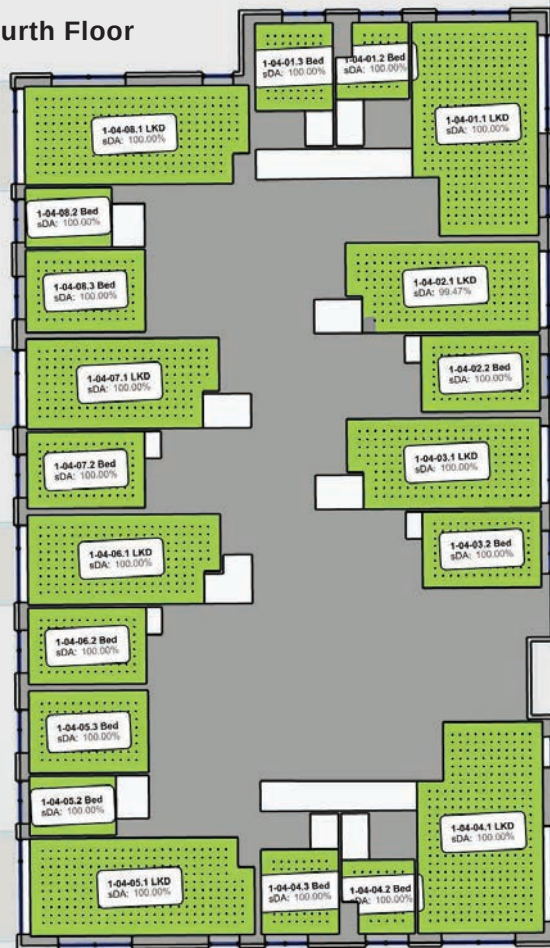


Figure 26: Block 1 - Floor plans indicating Daylight Provision to BS EN 17037:2018+A1:2021

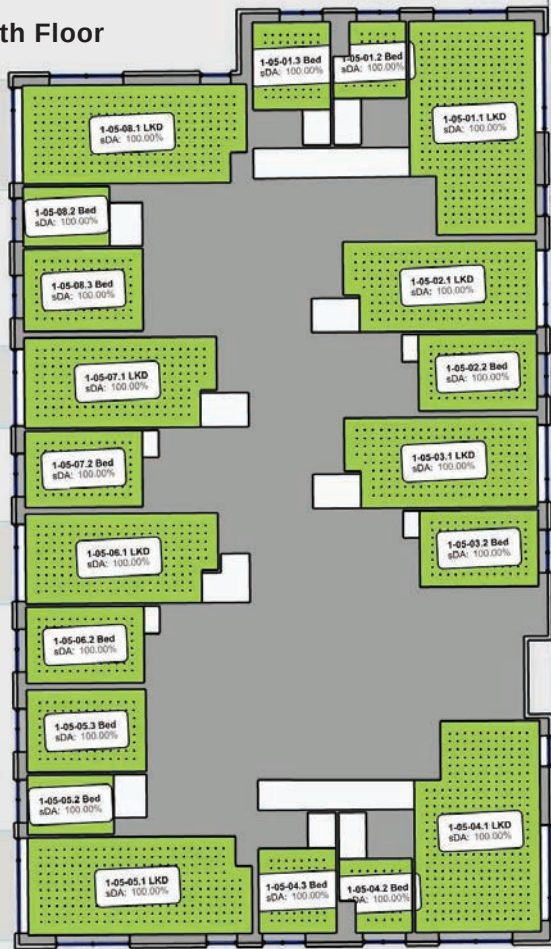
Third Floor



Fourth Floor



Fifth Floor



Sixth Floor

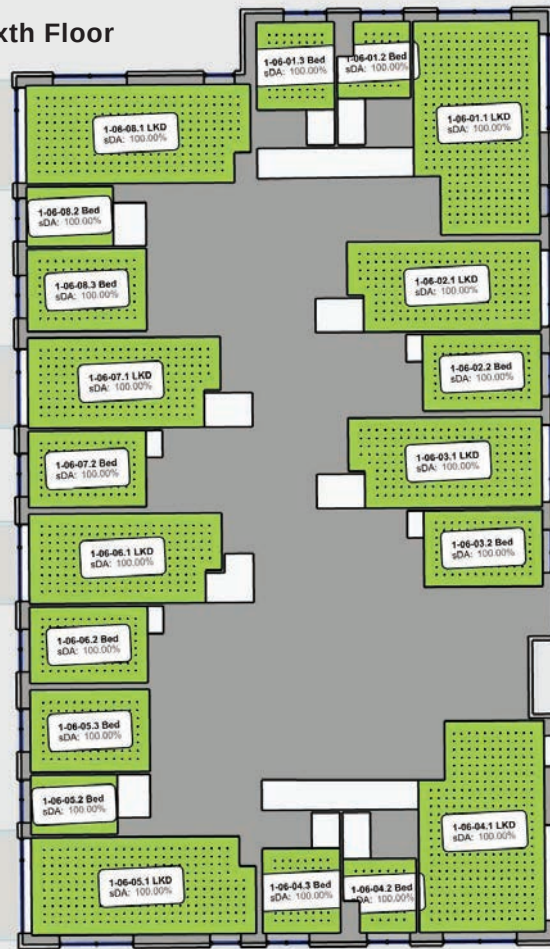


Figure 27: Block 1 - Floor plans indicating Daylight Provision to BS EN 17037:2018+A1:2021



Figure 28: Block 1 - Floor plans indicating Daylight Provision to BS EN 17037:2018+A1:2021

Block 1 - Minimum Illuminance Levels to BS EN 17037:2018+A1:2021								
Space ID	Use	Area m2	Sensor Count	Target Lux	Mean Lux	% of grid target exceeded	Minimum 50% of Grid	Meets Criteria
1-01-01.1	LKD	33.9	329	200	1043	100.0%	Y	
1-01-01.2	Bed	6.7	47	100	897	100.0%	Y	
1-01-01.3	Bed	9.1	72	100	767	100.0%	Y	
1-01-02.1	LKD	22.5	189	200	414	62.4%	Y	
1-01-02.2	Bed	12.1	104	100	561	100.0%	Y	
1-01-03.1	LKD	22.5	189	200	425	62.4%	Y	
1-01-03.2	Bed	12.1	104	100	645	100.0%	Y	
1-01-04.1	LKD	33.4	315	200	1882	100.0%	Y	
1-01-04.2	Bed	6.5	41	100	2294	100.0%	Y	
1-01-04.3	Bed	8.8	72	100	1835	100.0%	Y	
1-01-05.1	LKD	28.6	252	200	2499	100.0%	Y	
1-01-05.2	Bed	6.9	54	100	1215	100.0%	Y	
1-01-05.3	Bed	13.1	104	100	966	100.0%	Y	
1-01-06.1	LKD	22.5	190	200	828	100.0%	Y	
1-01-06.2	Bed	12.1	104	100	1013	100.0%	Y	
1-01-07.1	LKD	22.4	189	200	825	100.0%	Y	
1-01-07.2	Bed	12.0	104	100	961	100.0%	Y	
1-01-08.1	LKD	28.9	252	200	1437	100.0%	Y	
1-01-08.2	Bed	6.9	54	100	1429	100.0%	Y	
1-01-08.3	Bed	13.1	104	100	941	100.0%	Y	

Block 1 - Minimum Illuminance Levels to BS EN 17037:2018+A1:2021

Space ID	Use	Area m2	Sensor Count	Target Lux	Mean Lux	% of grid target exceeded , Minimum 50% of Grid	Meets Criteria
1-02-01.1	LKD	33.9	329	200	1191	100.0%	Y
1-02-01.2	Bed	6.7	47	100	930	100.0%	Y
1-02-01.3	Bed	9.1	72	100	780	100.0%	Y
1-02-02.1	LKD	22.5	189	200	530	72.5%	Y
1-02-02.2	Bed	12.1	104	100	723	100.0%	Y
1-02-03.1	LKD	22.5	189	200	544	74.6%	Y
1-02-03.2	Bed	12.1	104	100	797	100.0%	Y
1-02-04.1	LKD	33.4	315	200	2049	100.0%	Y
1-02-04.2	Bed	6.5	41	100	2400	100.0%	Y
1-02-04.3	Bed	8.8	72	100	1924	100.0%	Y
1-02-05.1	LKD	28.6	252	200	2612	100.0%	Y
1-02-05.2	Bed	6.9	54	100	1221	100.0%	Y
1-02-05.3	Bed	13.1	104	100	984	100.0%	Y
1-02-06.1	LKD	22.5	190	200	837	100.0%	Y
1-02-06.2	Bed	12.1	104	100	1039	100.0%	Y
1-02-07.1	LKD	22.4	189	200	839	100.0%	Y
1-02-07.2	Bed	12.0	104	100	979	100.0%	Y
1-02-08.1	LKD	28.9	252	200	1461	100.0%	Y
1-02-08.2	Bed	6.9	54	100	1446	100.0%	Y
1-02-08.3	Bed	13.1	104	100	958	100.0%	Y
1-03-01.1	LKD	33.9	329	200	1349	100.0%	Y
1-03-01.2	Bed	6.7	47	100	947	100.0%	Y
1-03-01.3	Bed	9.1	72	100	796	100.0%	Y
1-03-02.1	LKD	22.5	189	200	668	81.5%	Y
1-03-02.2	Bed	12.1	104	100	864	100.0%	Y
1-03-03.1	LKD	22.5	189	200	675	84.1%	Y
1-03-03.2	Bed	12.1	104	100	942	100.0%	Y
1-03-04.1	LKD	33.4	315	200	2175	100.0%	Y
1-03-04.2	Bed	6.5	41	100	2491	100.0%	Y
1-03-04.3	Bed	8.8	72	100	1983	100.0%	Y
1-03-05.1	LKD	28.6	252	200	2680	100.0%	Y
1-03-05.2	Bed	6.9	54	100	1246	100.0%	Y
1-03-05.3	Bed	13.1	104	100	996	100.0%	Y
1-03-06.1	LKD	22.5	190	200	853	100.0%	Y
1-03-06.2	Bed	12.1	104	100	1049	100.0%	Y
1-03-07.1	LKD	22.4	189	200	854	100.0%	Y
1-03-07.2	Bed	12.0	104	100	989	100.0%	Y
1-03-08.1	LKD	28.9	252	200	1481	100.0%	Y
1-03-08.2	Bed	6.9	54	100	1470	100.0%	Y
1-03-08.3	Bed	13.1	104	100	961	100.0%	Y
1-04-01.1	LKD	33.9	329	200	1484	100.0%	Y
1-04-01.2	Bed	6.7	47	100	951	100.0%	Y
1-04-01.3	Bed	9.1	72	100	804	100.0%	Y
1-04-02.1	LKD	22.5	189	200	816	99.5%	Y
1-04-02.2	Bed	12.1	104	100	990	100.0%	Y
1-04-03.1	LKD	22.5	189	200	824	100.0%	Y
1-04-03.2	Bed	12.1	104	100	1055	100.0%	Y
1-04-04.1	LKD	33.4	315	200	2312	100.0%	Y
1-04-04.2	Bed	6.5	41	100	2563	100.0%	Y
1-04-04.3	Bed	8.8	72	100	2034	100.0%	Y
1-04-05.1	LKD	28.6	252	200	2746	100.0%	Y

Block 1 - Minimum Illuminance Levels to BS EN 17037:2018+A1:2021

Space ID	Use	Area m2	Sensor Count	Target Lux	Mean Lux	% of grid target exceeded , Minimum 50% of Grid	Meets Criteria
1-04-05.2	Bed	6.9	54	100	1277	100.0%	Y
1-04-05.3	Bed	13.1	104	100	1011	100.0%	Y
1-04-06.1	LKD	22.5	190	200	868	100.0%	Y
1-04-06.2	Bed	12.1	104	100	1058	100.0%	Y
1-04-07.1	LKD	22.4	189	200	860	100.0%	Y
1-04-07.2	Bed	12.0	104	100	998	100.0%	Y
1-04-08.1	LKD	28.9	252	200	1496	100.0%	Y
1-04-08.2	Bed	6.9	54	100	1477	100.0%	Y
1-04-08.3	Bed	13.1	104	100	974	100.0%	Y
1-05-01.1	LKD	33.9	329	200	1572	100.0%	Y
1-05-01.2	Bed	6.7	47	100	965	100.0%	Y
1-05-01.3	Bed	9.1	72	100	810	100.0%	Y
1-05-02.1	LKD	22.5	189	200	917	100.0%	Y
1-05-02.2	Bed	12.1	104	100	1076	100.0%	Y
1-05-03.1	LKD	22.5	189	200	926	100.0%	Y
1-05-03.2	Bed	12.1	104	100	1133	100.0%	Y
1-05-04.1	LKD	33.4	315	200	2400	100.0%	Y
1-05-04.2	Bed	6.5	41	100	2604	100.0%	Y
1-05-04.3	Bed	8.8	72	100	2086	100.0%	Y
1-05-05.1	LKD	28.6	252	200	2795	100.0%	Y
1-05-05.2	Bed	6.9	54	100	1275	100.0%	Y
1-05-05.3	Bed	13.1	104	100	1015	100.0%	Y
1-05-06.1	LKD	22.5	190	200	877	100.0%	Y
1-05-06.2	Bed	12.1	104	100	1063	100.0%	Y
1-05-07.1	LKD	22.4	189	200	866	100.0%	Y
1-05-07.2	Bed	12.0	104	100	1010	100.0%	Y
1-05-08.1	LKD	28.9	252	200	1502	100.0%	Y
1-05-08.2	Bed	6.9	54	100	1495	100.0%	Y
1-05-08.3	Bed	13.1	104	100	978	100.0%	Y
1-06-01.1	LKD	33.9	329	200	1609	100.0%	Y
1-06-01.2	Bed	6.7	47	100	962	100.0%	Y
1-06-01.3	Bed	9.1	72	100	812	100.0%	Y
1-06-02.1	LKD	22.5	189	200	949	100.0%	Y
1-06-02.2	Bed	12.1	104	100	1097	100.0%	Y
1-06-03.1	LKD	22.5	189	200	962	100.0%	Y
1-06-03.2	Bed	12.1	104	100	1164	100.0%	Y
1-06-04.1	LKD	33.4	315	200	2442	100.0%	Y
1-06-04.2	Bed	6.5	41	100	2614	100.0%	Y
1-06-04.3	Bed	8.8	72	100	2082	100.0%	Y
1-06-05.1	LKD	28.6	252	200	2823	100.0%	Y
1-06-05.2	Bed	6.9	54	100	1288	100.0%	Y
1-06-05.3	Bed	13.1	104	100	1025	100.0%	Y
1-06-06.1	LKD	22.5	190	200	888	100.0%	Y
1-06-06.2	Bed	12.1	104	100	1067	100.0%	Y
1-06-07.1	LKD	22.4	189	200	877	100.0%	Y
1-06-07.2	Bed	12.0	104	100	1020	100.0%	Y
1-06-08.1	LKD	28.9	252	200	1517	100.0%	Y
1-06-08.2	Bed	6.9	54	100	1505	100.0%	Y
1-06-08.3	Bed	13.1	104	100	986	100.0%	Y
1-07-01.1	LKD	33.9	329	200	1655	100.0%	Y
1-07-01.2	Bed	6.7	47	100	974	100.0%	Y

Block 1 - Minimum Illuminance Levels to BS EN 17037:2018+A1:2021							
Space ID	Use	Area m2	Sensor Count	Target Lux	Mean Lux	% of grid target exceeded , Minimum 50% of Grid	Meets Criteria
1-07-01.3	Bed	9.1	72	100	824	100.0%	Y
1-07-02.1	LKD	22.5	189	200	989	100.0%	Y
1-07-02.2	Bed	12.1	104	100	1142	100.0%	Y
1-07-03.1	LKD	22.5	189	200	998	100.0%	Y
1-07-03.2	Bed	12.1	104	100	1202	100.0%	Y
1-07-04.1	LKD	33.4	315	200	2472	100.0%	Y
1-07-04.2	Bed	6.5	41	100	2613	100.0%	Y
1-07-04.3	Bed	8.8	72	100	2098	100.0%	Y
1-07-05.1	LKD	28.6	252	200	2828	100.0%	Y
1-07-05.2	Bed	6.9	54	100	1296	100.0%	Y
1-07-05.3	Bed	13.1	104	100	1026	100.0%	Y
1-07-06.1	LKD	22.5	190	200	896	100.0%	Y
1-07-06.2	Bed	12.1	104	100	1083	100.0%	Y
1-07-07.1	LKD	22.4	189	200	893	100.0%	Y
1-07-07.2	Bed	12.0	104	100	1021	100.0%	Y
1-07-08.1	LKD	28.9	252	200	1529	100.0%	Y
1-07-08.2	Bed	6.9	54	100	1520	100.0%	Y
1-07-08.3	Bed	13.1	104	100	992	100.0%	Y
1-08-01.1	LKD	33.9	329	200	2103	100.0%	Y
1-08-01.2	Bed	6.7	47	100	968	100.0%	Y
1-08-01.3	Bed	9.1	72	100	830	100.0%	Y
1-08-02.1	LKD	22.5	189	200	1424	100.0%	Y
1-08-02.2	Bed	12.1	104	100	1228	100.0%	Y
1-08-03.1	LKD	22.5	189	200	1418	100.0%	Y
1-08-03.2	Bed	12.1	104	100	1227	100.0%	Y
1-08-04.1	LKD	33.4	315	200	2930	100.0%	Y
1-08-04.2	Bed	6.5	41	100	2589	100.0%	Y
1-08-04.3	Bed	8.8	72	100	2108	100.0%	Y
1-08-05.1	LKD	28.6	252	200	3207	100.0%	Y
1-08-05.2	Bed	6.9	54	100	1480	100.0%	Y
1-08-05.3	Bed	13.1	104	100	1029	100.0%	Y
1-08-06.1	LKD	22.5	190	200	1256	100.0%	Y
1-08-06.2	Bed	12.1	104	100	1084	100.0%	Y
1-08-07.1	LKD	22.4	189	200	1260	100.0%	Y
1-08-07.2	Bed	12.0	104	100	1094	100.0%	Y
1-08-08.1	LKD	28.9	252	200	1910	100.0%	Y
1-08-08.2	Bed	6.9	54	100	1554	100.0%	Y
1-08-08.3	Bed	13.1	104	100	1057	100.0%	Y

Table 16: Minimum Daylight Provision Compliance for Habitable Rooms to BS EN17037:2018+A1:2021

Block 2

Block 2A

Block 2B

Block 2C

2A-00-01.3 Bed
ODA: 100.00 %

2A-00-01.2 Bed
ODA: 100.00 %

2A-00-01.1 LKD
ODA: 100.00 %

2A-00-02.1 LKD
ODA: 100.00 %

2A-00-02.2 Bed
ODA: 100.00 %

2A-00-02.3 Bed
ODA: 100.00 %

2A-00-03.1 LKD
ODA: 100.00 %

2A-00-03.2 Bed
ODA: 100.00 %

2A-00-03.3 Bed
ODA: 100.00 %

2A-00-04.1 LKD
ODA: 100.00 %

2A-00-04.2 Bed
ODA: 100.00 %

2A-00-04.3 Bed
ODA: 100.00 %

2A-00-05.1 LKD
ODA: 100.00 %

2A-00-05.2 Bed
ODA: 100.00 %

2A-00-05.3 Bed
ODA: 100.00 %

2A-00-06.1 LKD
ODA: 100.00 %

2A-00-06.2 Bed
ODA: 100.00 %

2A-00-06.3 Bed
ODA: 100.00 %

2A-00-07.1 LKD
ODA: 100.00 %

2A-00-07.2 Bed
ODA: 100.00 %

2A-00-07.3 Bed
ODA: 100.00 %

2B-00-01.1 LKD
ODA: 100.00 %

2B-00-01.2 Bed
ODA: 100.00 %

2B-00-01.3 Bed
ODA: 100.00 %

2B-00-02.1 LKD
ODA: 100.00 %

2B-00-02.2 Bed
ODA: 100.00 %

2B-00-02.3 Bed
ODA: 100.00 %

2B-00-03.1 LKD
ODA: 100.00 %

2B-00-03.2 Bed
ODA: 100.00 %

2B-00-03.3 Bed
ODA: 100.00 %

2B-00-04.1 LKD
ODA: 100.00 %

2B-00-04.2 Bed
ODA: 100.00 %

2B-00-04.3 Bed
ODA: 100.00 %

2B-00-05.1 LKD
ODA: 100.00 %

2B-00-05.2 Bed
ODA: 100.00 %

2B-00-05.3 Bed
ODA: 100.00 %

2B-00-06.1 LKD
ODA: 100.00 %

2B-00-06.2 Bed
ODA: 100.00 %

2B-00-06.3 Bed
ODA: 100.00 %

2B-00-07.1 LKD
ODA: 100.00 %

2B-00-07.2 Bed
ODA: 100.00 %

2B-00-07.3 Bed
ODA: 100.00 %

2C-00-01.1 LKD
ODA: 100.00 %

2C-00-01.2 Bed
ODA: 100.00 %

2C-00-01.3 Bed
ODA: 100.00 %

2C-00-02.1 LKD
ODA: 100.00 %

2C-00-02.2 Bed
ODA: 100.00 %

2C-00-02.3 Bed
ODA: 100.00 %

2C-00-03.1 LKD
ODA: 100.00 %

2C-00-03.2 Bed
ODA: 100.00 %

2C-00-03.3 Bed
ODA: 100.00 %

2C-00-04.1 LKD
ODA: 100.00 %

2C-00-04.2 Bed
ODA: 100.00 %

2C-00-04.3 Bed
ODA: 100.00 %

2C-00-05.1 LKD
ODA: 100.00 %

2C-00-05.2 Bed
ODA: 100.00 %

2C-00-05.3 Bed
ODA: 100.00 %

2C-00-06.1 LKD
ODA: 100.00 %

2C-00-06.2 Bed
ODA: 100.00 %

2C-00-06.3 Bed
ODA: 100.00 %

2C-00-07.1 LKD
ODA: 100.00 %

2C-00-07.2 Bed
ODA: 100.00 %

2C-00-07.3 Bed
ODA: 100.00 %

The floor plan shows three blocks of residential units. Block 2A (left) and Block 2B (right) are identical in layout and unit mix. Each block contains 24 units: 12 Studios, 10 Beds, and 2 LKDs. Block 2C (bottom center) contains 3 LKDs. The units are labeled with their type and area.

Block 2A Units:

- 2A-01-01.1 Studio (100.00%)
- 2A-01-02.1 Studio (100.00%)
- 2A-01-03.1 Studio (100.00%)
- 2A-01-04.1 Studio (100.00%)
- 2A-01-05.1 Bed (100.00%)
- 2A-01-05.2 Bed (100.00%)
- 2A-01-05.3 Bed (100.00%)
- 2A-01-04.1 Studio (100.00%)
- 2A-01-03.1 Studio (100.00%)
- 2A-01-02.1 Studio (100.00%)
- 2A-01-01.1 Studio (100.00%)
- 2A-01-14.2 Bed (100.00%)
- 2A-01-14.1 LKD (97.37%)
- 2A-01-13.2 Bed (100.00%)
- 2A-01-13.1 LKD (97.37%)
- 2A-01-12.2 Bed (100.00%)
- 2A-01-12.1 LKD (71.55%)
- 2A-01-11.2 Bed (100.00%)
- 2A-01-11.1 LKD (94.27%)
- 2A-01-10.2 Bed (100.00%)
- 2A-01-10.1 LKD (100.00%)
- 2A-01-09.2 Bed (100.00%)
- 2A-01-09.1 LKD (100.00%)
- 2A-01-08.2 Bed (100.00%)
- 2A-01-08.1 LKD (71.55%)
- 2A-01-07.2 Bed (100.00%)
- 2A-01-07.1 LKD (71.55%)
- 2A-01-06.2 Bed (100.00%)
- 2A-01-06.1 LKD (89.64%)

Block 2B Units:

- 2B-01-01.1 Studio (100.00%)
- 2B-01-02.1 Studio (100.00%)
- 2B-01-03.1 Studio (100.00%)
- 2B-01-04.1 Studio (100.00%)
- 2B-01-05.1 Bed (100.00%)
- 2B-01-05.2 Bed (100.00%)
- 2B-01-05.3 Bed (100.00%)
- 2B-01-04.1 Studio (100.00%)
- 2B-01-03.1 Studio (100.00%)
- 2B-01-02.1 Studio (100.00%)
- 2B-01-01.1 Studio (100.00%)
- 2B-01-14.2 Bed (100.00%)
- 2B-01-14.1 LKD (97.37%)
- 2B-01-13.2 Bed (100.00%)
- 2B-01-13.1 LKD (97.37%)
- 2B-01-12.2 Bed (100.00%)
- 2B-01-12.1 LKD (71.55%)
- 2B-01-11.2 Bed (100.00%)
- 2B-01-11.1 LKD (94.27%)
- 2B-01-10.2 Bed (100.00%)
- 2B-01-10.1 LKD (100.00%)
- 2B-01-09.2 Bed (100.00%)
- 2B-01-09.1 LKD (100.00%)
- 2B-01-08.2 Bed (100.00%)
- 2B-01-08.1 LKD (71.55%)
- 2B-01-07.2 Bed (100.00%)
- 2B-01-07.1 LKD (71.55%)
- 2B-01-06.2 Bed (100.00%)
- 2B-01-06.1 LKD (89.64%)

Block 2C Units:

- 2C-01-01.1 LKD (100.00%)
- 2C-01-02.1 LKD (100.00%)
- 2C-01-03.1 LKD (100.00%)

First Floor

Figure 29: Block 2 - Floor plans indicating Daylight Provision to BS EN 17037:2018+A1:2021

Block 2C - Minimum Illuminance Levels to BS EN 17037:2018+A1:2021

Space ID	Use	Area m2	Sensor Count	Target Lux	Mean Lux	% of grid target exceeded	Minimum 50% of Grid	Meets Criteria
H01.1	LKD	29.4	254	200	1295	100.0%		Y
H01.2	Bed	8.0	63	100	344	100.0%		Y
H01.3	Bed	10.4	83	100	1686	100.0%		Y
H01.4	Bed	6.6	40	100	219	72.5%		Y
H02.1	LKD	29.4	254	200	1259	100.0%		Y
H02.2	Bed	8.0	63	100	351	100.0%		Y
H02.3	Bed	10.3	73	100	1672	100.0%		Y
H02.4	Bed	6.6	40	100	233	80.0%		Y
H03.1	LKD	29.4	254	200	1280	100.0%		Y
H03.2	Bed	8.0	63	100	342	100.0%		Y
H03.3	Bed	10.2	72	100	1726	100.0%		Y
H03.4	Bed	6.6	40	100	217	72.5%		Y

Table 17: Minimum daylight provision compliance for habitable rooms to BS EN17037:2018+A1:2021

Block 2

Block 2A

Block 2B

Block 2C

Room labels and SDA percentages:

- 2A-02-01.1 Studio: 100.00%
- 2A-02-02.1 Studio: 100.00%
- 2A-02-03.1 Studio: 100.00%
- 2A-02-04.1 Studio: 100.00%
- 2A-02-05.1 Studio: 100.00%
- 2A-02-06.1 Studio: 100.00%
- 2A-02-07.1 Studio: 100.00%
- 2A-02-08.1 Studio: 100.00%
- 2A-02-09.1 Studio: 100.00%
- 2A-02-10.1 Studio: 100.00%
- 2A-02-11.1 Studio: 100.00%
- 2A-02-12.1 Studio: 100.00%
- 2A-02-13.1 Studio: 100.00%
- 2A-02-14.1 Studio: 100.00%
- 2A-02-15.1 Studio: 100.00%
- 2A-02-16.1 Studio: 100.00%
- 2A-02-17.1 Studio: 100.00%
- 2A-02-18.1 Studio: 100.00%
- 2A-02-19.1 Studio: 100.00%
- 2A-02-20.1 Studio: 100.00%
- 2A-02-21.1 Studio: 100.00%
- 2A-02-22.1 Studio: 100.00%
- 2A-02-23.1 Studio: 100.00%
- 2A-02-24.1 Studio: 100.00%
- 2A-02-25.1 Studio: 100.00%
- 2A-02-26.1 Studio: 100.00%
- 2A-02-27.1 Studio: 100.00%
- 2A-02-28.1 Studio: 100.00%
- 2A-02-29.1 Studio: 100.00%
- 2A-02-30.1 Studio: 100.00%
- 2A-02-31.1 Studio: 100.00%
- 2A-02-32.1 Studio: 100.00%
- 2A-02-33.1 Studio: 100.00%
- 2A-02-34.1 Studio: 100.00%
- 2A-02-35.1 Studio: 100.00%
- 2A-02-36.1 Studio: 100.00%
- 2A-02-37.1 Studio: 100.00%
- 2A-02-38.1 Studio: 100.00%
- 2A-02-39.1 Studio: 100.00%
- 2A-02-40.1 Studio: 100.00%
- 2A-02-41.1 Studio: 100.00%
- 2A-02-42.1 Studio: 100.00%
- 2A-02-43.1 Studio: 100.00%
- 2A-02-44.1 Studio: 100.00%
- 2A-02-45.1 Studio: 100.00%
- 2A-02-46.1 Studio: 100.00%
- 2A-02-47.1 Studio: 100.00%
- 2A-02-48.1 Studio: 100.00%
- 2A-02-49.1 Studio: 100.00%
- 2A-02-50.1 Studio: 100.00%
- 2A-02-51.1 Studio: 100.00%
- 2A-02-52.1 Studio: 100.00%
- 2A-02-53.1 Studio: 100.00%
- 2A-02-54.1 Studio: 100.00%
- 2A-02-55.1 Studio: 100.00%
- 2A-02-56.1 Studio: 100.00%
- 2A-02-57.1 Studio: 100.00%
- 2A-02-58.1 Studio: 100.00%
- 2A-02-59.1 Studio: 100.00%
- 2A-02-60.1 Studio: 100.00%
- 2A-02-61.1 Studio: 100.00%
- 2A-02-62.1 Studio: 100.00%
- 2A-02-63.1 Studio: 100.00%
- 2A-02-64.1 Studio: 100.00%
- 2A-02-65.1 Studio: 100.00%
- 2A-02-66.1 Studio: 100.00%
- 2A-02-67.1 Studio: 100.00%
- 2A-02-68.1 Studio: 100.00%
- 2A-02-69.1 Studio: 100.00%
- 2A-02-70.1 Studio: 100.00%
- 2A-02-71.1 Studio: 100.00%
- 2A-02-72.1 Studio: 100.00%
- 2A-02-73.1 Studio: 100.00%
- 2A-02-74.1 Studio: 100.00%
- 2A-02-75.1 Studio: 100.00%
- 2A-02-76.1 Studio: 100.00%
- 2A-02-77.1 Studio: 100.00%
- 2A-02-78.1 Studio: 100.00%
- 2A-02-79.1 Studio: 100.00%
- 2A-02-80.1 Studio: 100.00%
- 2A-02-81.1 Studio: 100.00%
- 2A-02-82.1 Studio: 100.00%
- 2A-02-83.1 Studio: 100.00%
- 2A-02-84.1 Studio: 100.00%
- 2A-02-85.1 Studio: 100.00%
- 2A-02-86.1 Studio: 100.00%
- 2A-02-87.1 Studio: 100.00%
- 2A-02-88.1 Studio: 100.00%
- 2A-02-89.1 Studio: 100.00%
- 2A-02-90.1 Studio: 100.00%
- 2A-02-91.1 Studio: 100.00%
- 2A-02-92.1 Studio: 100.00%
- 2A-02-93.1 Studio: 100.00%
- 2A-02-94.1 Studio: 100.00%
- 2A-02-95.1 Studio: 100.00%
- 2A-02-96.1 Studio: 100.00%
- 2A-02-97.1 Studio: 100.00%
- 2A-02-98.1 Studio: 100.00%
- 2A-02-99.1 Studio: 100.00%
- 2A-02-100.1 Studio: 100.00%

[illegible]

Figure 30: Block 2 - Floor plans indicating Daylight Provision to BS EN 17037:2018+A1:2021

Block 2A - Minimum Illuminance Levels to BS EN 17037:2018+A1:2021

Space ID	Use	Area m2	Sensor Count	Target Lux	Mean Lux	% of grid target exceeded	Minimum 50% of Grid	Meets Criteria
2A-00-01.1	LKD	30.4	286	200	500	100.0%	Y	
2A-00-01.2	Bed	8.4	58	100	540	100.0%	Y	
2A-00-01.3	Bed	13.7	112	100	405	100.0%	Y	
2A-00-02.1	LKD	26.3	242	200	572	100.0%	Y	
2A-00-02.2	Bed	9.2	65	100	517	100.0%	Y	
2A-00-02.3	Bed	13.7	112	100	403	100.0%	Y	
2A-00-03.1	LKD	23.7	200	200	492	55.0%	Y	
2A-00-03.2	Bed	13.5	117	100	523	100.0%	Y	
2A-00-03.3	Bed	8.5	64	100	678	100.0%	Y	
2A-00-04.1	LKD	22.5	208	200	435	65.4%	Y	
2A-00-04.2	Bed	11.4	91	100	638	100.0%	Y	
2A-00-05.1	LKD	20.3	171	200	609	59.1%	Y	
2A-00-05.2	Bed	10.2	88	100	281	97.7%	Y	
2A-00-06.1	LKD	20.3	171	200	465	54.4%	Y	
2A-00-06.2	Bed	10.2	88	100	177	77.3%	Y	
2A-00-07.1	LKD	28.2	260	200	1950	100.0%	Y	
2A-00-07.2	Bed	5.1	34	100	2493	100.0%	Y	
2A-00-07.3	Bed	9.4	72	100	1718	100.0%	Y	
2A-00-08.1	LKD	20.0	162	200	499	79.0%	Y	
2A-00-08.2	Bed	10.0	80	100	399	100.0%	Y	
2A-00-09.1	LKD	20.3	190	200	424	88.4%	Y	
2A-00-09.2	Bed	12.5	110	100	729	100.0%	Y	
2A-01-01.1	Studio	30.4	254	200	585	99.6%	Y	
2A-01-02.1	Studio	26.1	234	200	599	100.0%	Y	
2A-01-03.1	Studio	25.5	238	200	608	100.0%	Y	
2A-01-04.1	Studio	27.0	234	200	614	100.0%	Y	
2A-01-05.1	LKD	25.9	220	200	735	82.3%	Y	
2A-01-05.2	Bed	13.4	117	100	563	100.0%	Y	
2A-01-05.3	Bed	8.6	64	100	733	100.0%	Y	
2A-01-06.1	LKD	26.6	225	200	772	88.4%	Y	
2A-01-06.2	Bed	6.5	54	100	860	100.0%	Y	
2A-01-06.3	Bed	11.0	90	100	623	100.0%	Y	
2A-01-07.1	LKD	20.2	171	200	817	78.9%	Y	
2A-01-07.2	Bed	10.2	88	100	467	100.0%	Y	
2A-01-08.1	LKD	20.2	171	200	648	71.3%	Y	
2A-01-08.2	Bed	10.2	88	100	498	100.0%	Y	
2A-01-09.1	LKD	27.1	240	200	2164	100.0%	Y	
2A-01-09.2	Bed	6.7	54	100	679	100.0%	Y	
2A-01-09.3	Bed	11.0	88	100	581	100.0%	Y	
2A-01-10.1	LKD	28.4	260	200	2039	100.0%	Y	
2A-01-10.2	Bed	5.1	34	100	2675	100.0%	Y	
2A-01-10.3	Bed	9.4	72	100	1858	100.0%	Y	
2A-01-11.1	LKD	20.1	171	200	514	84.2%	Y	
2A-01-11.2	Bed	10.1	80	100	464	100.0%	Y	
2A-01-12.1	LKD	20.1	171	200	423	71.9%	Y	
2A-01-12.2	Bed	10.1	80	100	413	100.0%	Y	
2A-01-13.1	LKD	18.5	153	200	445	94.1%	Y	
2A-01-13.2	Bed	10.1	80	100	449	100.0%	Y	
2A-01-14.1	LKD	20.4	190	200	446	94.2%	Y	
2A-01-14.2	Bed	12.5	110	100	811	100.0%	Y	
2A-02-01.1	Studio	30.4	254	200	603	100.0%	Y	

Block 2A - Minimum Illuminance Levels to BS EN 17037:2018+A1:2021

Space ID	Use	Area m2	Sensor Count	Target Lux	Mean Lux	% of grid target exceeded	Minimum 50% of Grid	Meets Criteria
2A-02-02.1	Studio	26.1	234	200	622	100.0%	Y	Y
2A-02-03.1	Studio	25.5	238	200	630	100.0%	Y	Y
2A-02-04.1	Studio	27.0	234	200	637	100.0%	Y	Y
2A-02-05.1	LKD	25.9	220	200	880	100.0%	Y	Y
2A-02-05.2	Bed	13.4	117	100	582	100.0%	Y	Y
2A-02-05.3	Bed	8.6	64	100	749	100.0%	Y	Y
2A-02-06.1	LKD	26.6	225	200	924	95.1%	Y	Y
2A-02-06.2	Bed	6.5	54	100	989	100.0%	Y	Y
2A-02-06.3	Bed	11.0	90	100	785	100.0%	Y	Y
2A-02-07.1	LKD	20.2	171	200	1002	98.8%	Y	Y
2A-02-07.2	Bed	10.2	88	100	633	100.0%	Y	Y
2A-02-08.1	LKD	20.2	171	200	925	99.4%	Y	Y
2A-02-08.2	Bed	10.2	88	100	973	100.0%	Y	Y
2A-02-09.1	LKD	27.1	240	200	2639	100.0%	Y	Y
2A-02-09.2	Bed	6.7	54	100	1358	100.0%	Y	Y
2A-02-09.3	Bed	11.0	88	100	1103	100.0%	Y	Y
2A-02-10.1	LKD	28.4	260	200	2138	100.0%	Y	Y
2A-02-10.2	Bed	5.1	34	100	2817	100.0%	Y	Y
2A-02-10.3	Bed	9.4	72	100	1954	100.0%	Y	Y
2A-02-11.1	LKD	20.1	171	200	547	94.2%	Y	Y
2A-02-11.2	Bed	10.1	80	100	523	100.0%	Y	Y
2A-02-12.1	LKD	20.1	171	200	460	77.8%	Y	Y
2A-02-12.2	Bed	10.1	80	100	469	100.0%	Y	Y
2A-02-13.1	LKD	18.5	153	200	486	96.7%	Y	Y
2A-02-13.2	Bed	10.1	80	100	503	100.0%	Y	Y
2A-02-14.1	LKD	20.4	190	200	478	97.4%	Y	Y
2A-02-14.2	Bed	12.5	110	100	862	100.0%	Y	Y
2A-03-01.1	Studio	30.4	254	200	861	100.0%	Y	Y
2A-03-02.1	Studio	26.1	234	200	919	100.0%	Y	Y
2A-03-03.1	Studio	25.5	238	200	942	100.0%	Y	Y
2A-03-04.1	Studio	27.0	234	200	907	100.0%	Y	Y
2A-03-05.1	LKD	25.9	220	200	1099	100.0%	Y	Y
2A-03-05.2	Bed	13.4	117	100	596	100.0%	Y	Y
2A-03-05.3	Bed	8.6	64	100	779	100.0%	Y	Y
2A-03-06.1	LKD	26.6	225	200	1927	100.0%	Y	Y
2A-03-06.2	Bed	6.5	54	100	667	100.0%	Y	Y
2A-03-06.3	Bed	11.0	90	100	562	100.0%	Y	Y
2A-03-07.1	LKD	20.2	171	200	1144	100.0%	Y	Y
2A-03-07.2	Bed	10.2	88	100	759	100.0%	Y	Y
2A-03-08.1	LKD	20.2	171	200	1080	100.0%	Y	Y
2A-03-08.2	Bed	10.2	88	100	1152	100.0%	Y	Y
2A-03-09.1	LKD	27.1	240	200	2785	100.0%	Y	Y
2A-03-09.2	Bed	6.7	54	100	1616	100.0%	Y	Y
2A-03-09.3	Bed	11.0	88	100	1309	100.0%	Y	Y
2A-03-10.1	LKD	28.4	260	200	2223	100.0%	Y	Y
2A-03-10.2	Bed	5.1	34	100	2855	100.0%	Y	Y
2A-03-10.3	Bed	9.4	72	100	1990	100.0%	Y	Y
2A-03-11.1	LKD	20.1	171	200	594	98.2%	Y	Y
2A-03-11.2	Bed	10.1	80	100	608	100.0%	Y	Y
2A-03-12.1	LKD	20.1	171	200	509	87.1%	Y	Y
2A-03-12.2	Bed	10.1	80	100	562	100.0%	Y	Y
2A-03-13.1	LKD	18.5	153	200	542	99.3%	Y	Y

Block 2A - Minimum Illuminance Levels to BS EN 17037:2018+A1:2021

Space ID	Use	Area m2	Sensor Count	Target Lux	Mean Lux	% of grid target exceeded	Minimum 50% of Grid	Meets Criteria
2A-03-13.2	Bed	10.1	80	100	581	100.0%	Y	Y
2A-03-14.1	LKD	20.4	190	200	530	98.9%	Y	Y
2A-03-14.2	Bed	12.5	110	100	933	100.0%	Y	Y
2A-04-01.1	LKD	30.1	285	200	2034	100.0%	Y	Y
2A-04-01.2	Bed	13.7	117	100	1316	100.0%	Y	Y
2A-04-01.3	Bed	10.2	80	100	804	100.0%	Y	Y
2A-04-02.1	LKD	25.4	219	200	1270	99.1%	Y	Y
2A-04-02.2	Bed	10.9	90	100	1234	100.0%	Y	Y
2A-04-03.1	LKD	20.2	171	200	1429	100.0%	Y	Y
2A-04-03.2	Bed	10.2	88	100	1388	100.0%	Y	Y
2A-04-04.1	LKD	20.2	171	200	1425	100.0%	Y	Y
2A-04-04.2	Bed	10.2	88	100	1433	100.0%	Y	Y
2A-04-05.1	LKD	27.1	240	200	3263	100.0%	Y	Y
2A-04-05.2	Bed	6.7	54	100	1857	100.0%	Y	Y
2A-04-05.3	Bed	11.0	88	100	1392	100.0%	Y	Y
2A-04-06.1	LKD	28.4	260	200	2742	100.0%	Y	Y
2A-04-06.2	Bed	5.1	34	100	2962	100.0%	Y	Y
2A-04-06.3	Bed	9.4	72	100	2066	100.0%	Y	Y
2A-04-07.1	LKD	20.1	171	200	954	100.0%	Y	Y
2A-04-07.2	Bed	10.1	80	100	776	100.0%	Y	Y
2A-04-08.1	LKD	20.1	171	200	877	100.0%	Y	Y
2A-04-08.2	Bed	10.1	80	100	734	100.0%	Y	Y
2A-04-09.1	LKD	18.5	153	200	944	100.0%	Y	Y
2A-04-09.2	Bed	10.1	80	100	750	100.0%	Y	Y
2A-04-10.1	LKD	23.9	211	200	833	100.0%	Y	Y
2A-04-10.2	Bed	10.2	80	100	1169	100.0%	Y	Y

Table 18: Minimum Daylight Provision Compliance for Habitable Rooms to BS EN17037:2018+A1:2021

Block 2B - Minimum Illuminance Levels to BS EN 17037:2018+A1:2021

Space ID	Use	Area m2	Sensor Count	Target Lux	Mean Lux	% of grid target exceeded	Minimum 50% of Grid	Meets Criteria
2B-00-01.1	LKD	30.4	286	200	499	100.0%	Y	Y
2B-00-01.2	Bed	8.4	58	100	576	100.0%	Y	Y
2B-00-01.3	Bed	13.4	112	100	423	100.0%	Y	Y
2B-00-02.1	LKD	26.3	242	200	563	100.0%	Y	Y
2B-00-02.2	Bed	9.2	65	100	521	100.0%	Y	Y
2B-00-02.3	Bed	13.7	112	100	403	100.0%	Y	Y
2B-00-03.1	LKD	23.7	200	200	491	56.0%	Y	Y
2B-00-03.2	Bed	13.5	117	100	523	100.0%	Y	Y
2B-00-03.3	Bed	8.5	64	100	658	100.0%	Y	Y
2B-00-04.1	LKD	22.5	208	200	429	62.5%	Y	Y
2B-00-04.2	Bed	11.4	91	100	595	100.0%	Y	Y
2B-00-05.1	LKD	20.2	171	200	510	54.4%	Y	Y
2B-00-05.2	Bed	10.2	88	100	316	100.0%	Y	Y
2B-00-06.1	LKD	20.2	171	200	349	46.2%	N	N
2B-00-06.2	Bed	10.2	88	100	190	87.5%	Y	Y
2B-00-07.1	LKD	28.6	260	200	2049	100.0%	Y	Y
2B-00-07.2	Bed	5.2	34	100	2459	100.0%	Y	Y
2B-00-07.3	Bed	9.5	72	100	1698	100.0%	Y	Y

Block 2B - Minimum Illuminance Levels to BS EN 17037:2018+A1:2021

Space ID	Use	Area m2	Sensor Count	Target Lux	Mean Lux	% of grid target exceeded , Minimum 50% of Grid	Meets Criteria
2B-00-08.1	LKD	20.1	171	200	606	97.1%	Y
2B-00-08.2	Bed	10.1	80	100	898	100.0%	Y
2B-00-09.1	LKD	20.4	190	200	988	100.0%	Y
2B-00-09.2	Bed	12.7	110	100	1292	100.0%	Y
2B-01-01.1	Studio	30.1	254	200	604	99.6%	Y
2B-01-02.1	Studio	26.1	234	200	598	100.0%	Y
2B-01-03.1	Studio	25.5	238	200	605	100.0%	Y
2B-01-04.1	Studio	27.0	234	200	610	100.0%	Y
2B-01-05.1	LKD	25.9	220	200	740	83.2%	Y
2B-01-05.2	Bed	13.5	117	100	563	100.0%	Y
2B-01-05.3	Bed	8.5	64	100	714	100.0%	Y
2B-01-06.1	LKD	26.6	225	200	768	89.3%	Y
2B-01-06.2	Bed	6.5	54	100	707	100.0%	Y
2B-01-06.3	Bed	11.0	90	100	540	100.0%	Y
2B-01-07.1	LKD	20.3	190	200	674	73.2%	Y
2B-01-07.2	Bed	10.1	88	100	351	100.0%	Y
2B-01-08.1	LKD	20.3	190	200	483	64.7%	Y
2B-01-08.2	Bed	10.2	88	100	464	100.0%	Y
2B-01-09.1	LKD	27.5	264	200	2674	100.0%	Y
2B-01-09.2	Bed	6.7	54	100	591	100.0%	Y
2B-01-09.3	Bed	11.0	88	100	514	100.0%	Y
2B-01-10.1	LKD	28.6	260	200	2391	100.0%	Y
2B-01-10.2	Bed	5.2	34	100	2631	100.0%	Y
2B-01-10.3	Bed	9.5	72	100	1827	100.0%	Y
2B-01-11.1	LKD	20.1	171	200	887	100.0%	Y
2B-01-11.2	Bed	10.1	80	100	1106	100.0%	Y
2B-01-12.1	LKD	20.1	171	200	942	100.0%	Y
2B-01-12.2	Bed	10.1	80	100	1169	100.0%	Y
2B-01-13.1	LKD	18.5	153	200	1073	100.0%	Y
2B-01-13.2	Bed	10.1	80	100	1191	100.0%	Y
2B-01-14.1	LKD	20.4	190	200	1033	97.4%	Y
2B-01-14.2	Bed	12.7	110	100	1402	100.0%	Y
2B-02-01.1	Studio	30.1	254	200	615	99.6%	Y
2B-02-02.1	Studio	26.1	234	200	621	100.0%	Y
2B-02-03.1	Studio	25.5	238	200	621	100.0%	Y
2B-02-04.1	Studio	27.0	234	200	630	100.0%	Y
2B-02-05.1	LKD	25.9	220	200	891	100.0%	Y
2B-02-05.2	Bed	13.5	117	100	579	100.0%	Y
2B-02-05.3	Bed	8.5	64	100	733	100.0%	Y
2B-02-06.1	LKD	26.6	225	200	933	93.8%	Y
2B-02-06.2	Bed	6.5	54	100	972	100.0%	Y
2B-02-06.3	Bed	11.0	90	100	679	100.0%	Y
2B-02-07.1	LKD	20.3	190	200	832	95.3%	Y
2B-02-07.2	Bed	10.1	88	100	483	100.0%	Y
2B-02-08.1	LKD	20.3	190	200	710	96.3%	Y
2B-02-08.2	Bed	10.2	88	100	803	100.0%	Y
2B-02-09.1	LKD	27.5	264	200	3042	100.0%	Y
2B-02-09.2	Bed	6.7	54	100	1072	100.0%	Y
2B-02-09.3	Bed	11.0	88	100	901	100.0%	Y
2B-02-10.1	LKD	28.6	260	200	2583	100.0%	Y
2B-02-10.2	Bed	5.2	34	100	2734	100.0%	Y

Block 2B - Minimum Illuminance Levels to BS EN 17037:2018+A1:2021

Space ID	Use	Area m2	Sensor Count	Target Lux	Mean Lux	% of grid target exceeded , Minimum 50% of Grid	Meets Criteria
2B-02-10.3	Bed	9.5	72	100	1889	100.0%	Y
2B-02-11.1	LKD	20.1	171	200	1033	100.0%	Y
2B-02-11.2	Bed	10.1	80	100	1205	100.0%	Y
2B-02-12.1	LKD	20.1	171	200	1024	100.0%	Y
2B-02-12.2	Bed	10.1	80	100	1223	100.0%	Y
2B-02-13.1	LKD	18.5	153	200	1124	100.0%	Y
2B-02-13.2	Bed	10.1	80	100	1241	100.0%	Y
2B-02-14.1	LKD	20.4	190	200	1071	97.4%	Y
2B-02-14.2	Bed	12.7	110	100	1446	100.0%	Y
2B-03-01.1	Studio	30.1	254	200	863	100.0%	Y
2B-03-02.1	Studio	26.1	234	200	911	100.0%	Y
2B-03-03.1	Studio	25.5	238	200	932	100.0%	Y
2B-03-04.1	Studio	27.0	234	200	895	100.0%	Y
2B-03-05.1	LKD	25.9	220	200	1143	100.0%	Y
2B-03-05.2	Bed	13.5	117	100	596	100.0%	Y
2B-03-05.3	Bed	8.5	64	100	758	100.0%	Y
2B-03-06.1	LKD	26.6	225	200	2075	100.0%	Y
2B-03-06.2	Bed	6.5	54	100	676	100.0%	Y
2B-03-06.3	Bed	11.0	90	100	525	100.0%	Y
2B-03-07.1	LKD	20.3	190	200	1065	100.0%	Y
2B-03-07.2	Bed	10.1	88	100	1046	100.0%	Y
2B-03-08.1	LKD	20.3	190	200	1096	100.0%	Y
2B-03-08.2	Bed	10.2	88	100	1132	100.0%	Y
2B-03-09.1	LKD	27.5	264	200	3528	100.0%	Y
2B-03-09.2	Bed	6.7	54	100	1453	100.0%	Y
2B-03-09.3	Bed	11.0	88	100	1095	100.0%	Y
2B-03-10.1	LKD	28.6	260	200	3134	100.0%	Y
2B-03-10.2	Bed	5.2	34	100	2782	100.0%	Y
2B-03-10.3	Bed	9.5	72	100	1936	100.0%	Y
2B-03-11.1	LKD	20.1	171	200	1484	100.0%	Y
2B-03-11.2	Bed	10.1	80	100	1310	100.0%	Y
2B-03-12.1	LKD	20.1	171	200	1467	100.0%	Y
2B-03-12.2	Bed	10.1	80	100	1305	100.0%	Y
2B-03-13.1	LKD	18.5	153	200	1596	100.0%	Y
2B-03-13.2	Bed	10.1	80	100	1309	100.0%	Y
2B-03-14.1	LKD	20.4	190	200	1495	97.4%	Y
2B-03-14.2	Bed	12.7	110	100	1508	100.0%	Y
2B-04-01.1	lkd	26.5	240	200	2317	100.0%	Y
2B-04-01.2	Bed	11.0	96	100	1754	100.0%	Y
2B-04-01.3	Bed	9.6	77	100	845	100.0%	Y
2B-04-02.1	LKD	20.7	186	200	2048	100.0%	Y
2B-04-02.2	Bed	11.2	96	100	2021	100.0%	Y

Table 19: Minimum Daylight Provision Compliance for Habitable Rooms to BS EN17037:2018+A1:2021

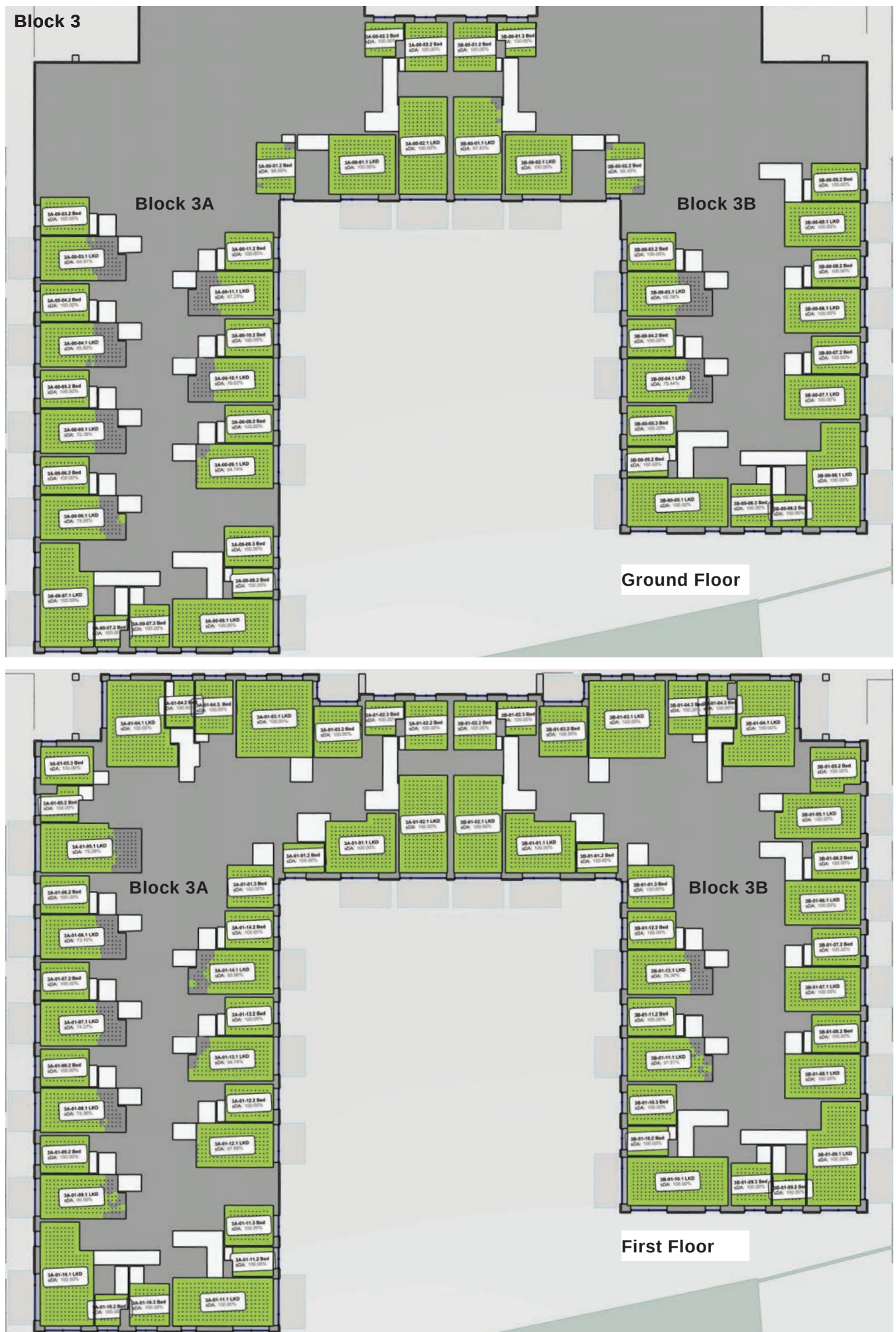


Figure 32: Block 3 - Floor plans indicating Daylight Provision to BS EN 17037:2018+A1:2021

Block 3



Figure 33: Block 3 - Floor plans indicating Daylight Provision to BS EN 17037:2018+A1:2021

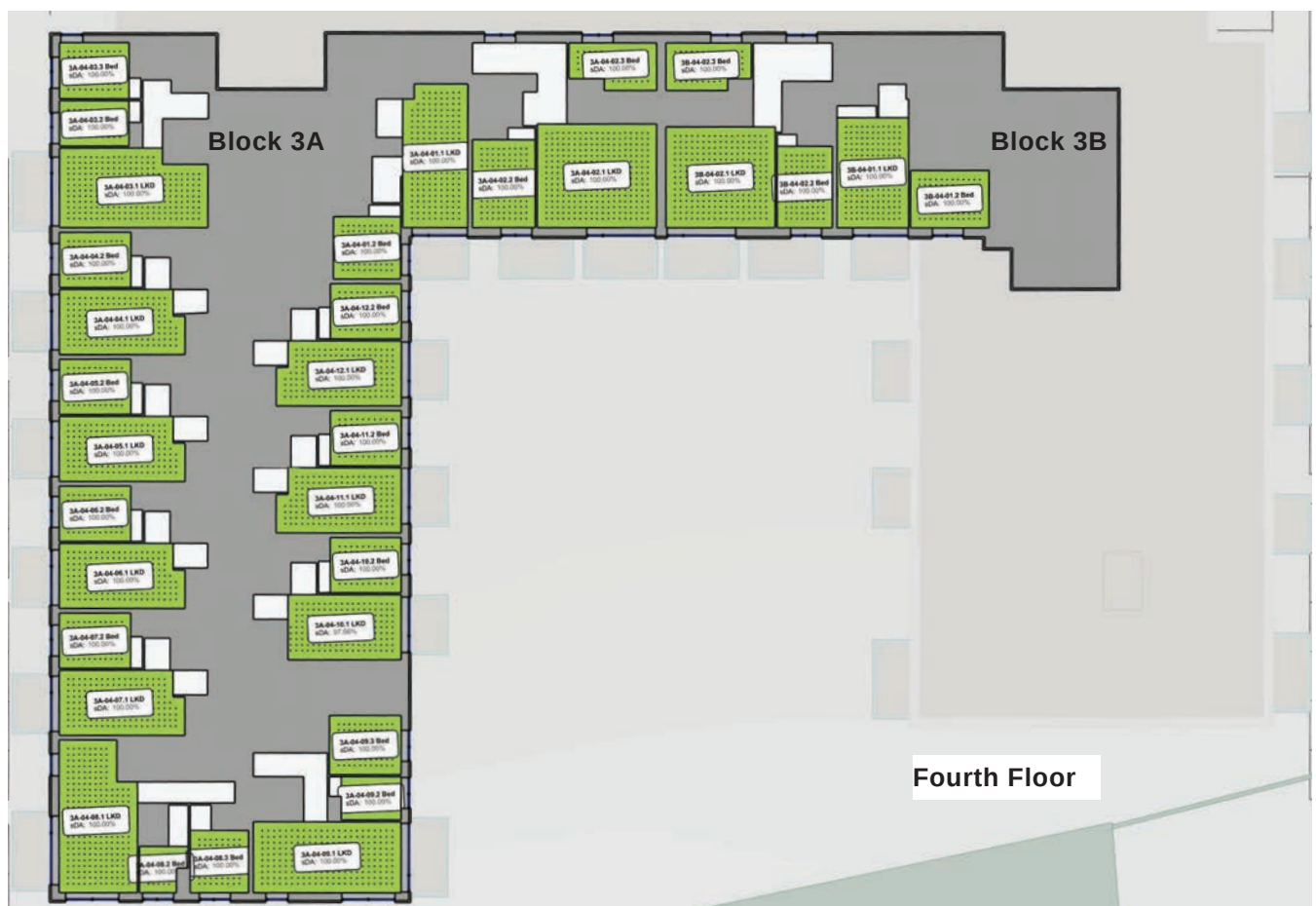


Figure 34: Block 3 - Floor plans indicating Daylight Provision to BS EN 17037:2018+A1:2021

Block 3A - Minimum Illuminance Levels to BS EN 17037:2018+A1:2021

Space ID	Use	Area m2	Sensor Count	Target Lux	Mean Lux	% of grid target exceeded	Minimum 50% of Grid	Meets Criteria
3A-00-01.1	LKD	22.1	195	200	769	100.0%	Y	
3A-00-01.2	Bed	11.0	88	100	398	96.6%	Y	
3A-00-02.1	LKD	26.1	230	200	820	100.0%	Y	
3A-00-02.2	Bed	11.5	99	100	537	100.0%	Y	
3A-00-02.3	Bed	6.6	48	100	765	100.0%	Y	
3A-00-03.1	LKD	20.2	171	200	387	64.9%	Y	
3A-00-03.2	Bed	10.2	88	100	475	100.0%	Y	
3A-00-04.1	LKD	20.2	171	200	400	65.5%	Y	
3A-00-04.2	Bed	10.2	88	100	479	100.0%	Y	
3A-00-05.1	LKD	20.2	171	200	439	70.2%	Y	
3A-00-05.2	Bed	10.2	88	100	494	100.0%	Y	
3A-00-06.1	LKD	20.2	171	200	528	78.9%	Y	
3A-00-06.2	Bed	10.2	88	100	545	100.0%	Y	
3A-00-07.1	LKD	28.6	260	200	1515	100.0%	Y	
3A-00-07.2	Bed	5.1	34	100	1521	100.0%	Y	
3A-00-07.3	Bed	9.3	72	100	896	100.0%	Y	
3A-00-08.1	LKD	27.0	230	200	1047	100.0%	Y	
3A-00-08.2	Bed	6.7	54	100	1044	100.0%	Y	
3A-00-08.3	Bed	10.9	88	100	955	100.0%	Y	
3A-00-09.1	LKD	20.1	171	200	678	94.7%	Y	
3A-00-09.2	Bed	10.1	80	100	787	100.0%	Y	
3A-00-10.1	LKD	20.1	171	200	583	76.0%	Y	
3A-00-10.2	Bed	10.1	80	100	723	100.0%	Y	
3A-00-11.1	LKD	20.1	171	200	535	67.3%	Y	
3A-00-11.2	Bed	10.1	80	100	608	100.0%	Y	
3A-01-01.1	LKD	21.3	186	200	825	100.0%	Y	
3A-01-01.2	Bed	6.7	54	100	1115	100.0%	Y	
3A-01-01.3	Bed	10.9	90	100	697	100.0%	Y	
3A-01-02.1	LKD	26.1	230	200	876	100.0%	Y	
3A-01-02.2	Bed	11.5	99	100	601	100.0%	Y	
3A-01-02.3	Bed	6.6	48	100	843	100.0%	Y	
3A-01-03.1	LKD	32.6	306	200	548	100.0%	Y	
3A-01-03.2	Bed	13.6	110	100	477	100.0%	Y	
3A-01-04.1	LKD	29.7	276	200	583	100.0%	Y	
3A-01-04.2	Bed	6.6	42	100	761	100.0%	Y	
3A-01-04.3.	Bed	11.2	96	100	618	100.0%	Y	
3A-01-05.1	LKD	26.8	256	200	462	75.4%	Y	
3A-01-05.2	Bed	6.9	48	100	805	100.0%	Y	
3A-01-05.3	Bed	11.0	96	100	986	100.0%	Y	
3A-01-06.1	LKD	20.2	171	200	448	73.1%	Y	
3A-01-06.2	Bed	10.2	88	100	634	100.0%	Y	
3A-01-07.1	LKD	20.2	171	200	468	74.3%	Y	
3A-01-07.2	Bed	10.2	88	100	642	100.0%	Y	
3A-01-08.1	LKD	20.2	171	200	499	78.4%	Y	
3A-01-08.2	Bed	10.2	88	100	660	100.0%	Y	
3A-01-09.1	LKD	20.2	171	200	578	90.1%	Y	
3A-01-09.2	Bed	10.2	88	100	703	100.0%	Y	
3A-01-10.1	LKD	28.6	260	200	2134	100.0%	Y	
3A-01-10.2	Bed	5.1	34	100	2743	100.0%	Y	
3A-01-10.3	Bed	9.3	72	100	1830	100.0%	Y	

Block 3A - Minimum Illuminance Levels to BS EN 17037:2018+A1:2021

Space ID	Use	Area m2	Sensor Count	Target Lux	Mean Lux	% of grid target exceeded , Minimum 50% of Grid	Meets Criteria
3A-01-11.1	LKD	27.0	230	200	2331	100.0%	Y
3A-01-11.2	Bed	6.7	54	100	1279	100.0%	Y
3A-01-11.3	Bed	10.9	88	100	1117	100.0%	Y
3A-01-12.1	LKD	20.1	171	200	776	97.7%	Y
3A-01-12.2	Bed	10.1	80	100	960	100.0%	Y
3A-01-13.1	LKD	20.1	171	200	685	94.7%	Y
3A-01-13.2	Bed	10.1	80	100	890	100.0%	Y
3A-01-14.1	LKD	20.1	171	200	623	86.0%	Y
3A-01-14.2	Bed	10.1	80	100	790	100.0%	Y
3A-02-01.1	LKD	21.3	186	200	928	100.0%	Y
3A-02-01.2	Bed	6.7	54	100	1262	100.0%	Y
3A-02-01.3	Bed	10.9	90	100	832	100.0%	Y
3A-02-02.1	LKD	26.1	230	200	987	100.0%	Y
3A-02-02.2	Bed	11.5	99	100	635	100.0%	Y
3A-02-02.3	Bed	6.6	48	100	893	100.0%	Y
3A-02-03.1	LKD	32.6	306	200	583	100.0%	Y
3A-02-03.2	Bed	13.6	110	100	507	100.0%	Y
3A-02-04.1	LKD	29.7	276	200	636	100.0%	Y
3A-02-04.2	Bed	6.6	42	100	813	100.0%	Y
3A-02-04.3	Bed	11.2	96	100	654	100.0%	Y
3A-02-05.1	LKD	26.8	256	200	563	85.5%	Y
3A-02-05.2	Bed	6.9	48	100	946	100.0%	Y
3A-02-05.3	Bed	11.0	96	100	1120	100.0%	Y
3A-02-06.1	LKD	20.2	171	200	558	81.9%	Y
3A-02-06.2	Bed	10.2	88	100	768	100.0%	Y
3A-02-07.1	LKD	20.2	171	200	581	87.1%	Y
3A-02-07.2	Bed	10.2	88	100	781	100.0%	Y
3A-02-08.1	LKD	20.2	171	200	606	92.4%	Y
3A-02-08.2	Bed	10.2	88	100	799	100.0%	Y
3A-02-09.1	LKD	20.2	171	200	682	98.2%	Y
3A-02-09.2	Bed	10.2	88	100	827	100.0%	Y
3A-02-10.1	LKD	28.6	260	200	2405	100.0%	Y
3A-02-10.2	Bed	5.1	34	100	3148	100.0%	Y
3A-02-10.3	Bed	9.3	72	100	2155	100.0%	Y
3A-02-11.1	LKD	27.0	230	200	2917	100.0%	Y
3A-02-11.2	Bed	6.7	54	100	1375	100.0%	Y
3A-02-11.3	Bed	10.9	88	100	1197	100.0%	Y
3A-02-12.1	LKD	20.1	171	200	892	97.7%	Y
3A-02-12.2	Bed	10.1	80	100	1052	100.0%	Y
3A-02-13.1	LKD	20.1	171	200	808	99.4%	Y
3A-02-13.2	Bed	10.1	80	100	1014	100.0%	Y
3A-02-14.1	LKD	20.1	171	200	761	98.2%	Y
3A-02-14.2	Bed	10.1	80	100	940	100.0%	Y
3A-03-01.1	LKD	21.3	186	200	1879	100.0%	Y
3A-03-01.2	Bed	6.7	54	100	829	100.0%	Y
3A-03-01.3	Bed	10.9	90	100	597	100.0%	Y
3A-03-02.1	LKD	26.1	230	200	1152	100.0%	Y
3A-03-02.2	Bed	11.5	99	100	659	100.0%	Y
3A-03-02.3	Bed	6.6	48	100	934	100.0%	Y
3A-03-03.1	LKD	32.6	306	200	609	100.0%	Y

Block 3A - Minimum Illuminance Levels to BS EN 17037:2018+A1:2021

Space ID	Use	Area m2	Sensor Count	Target Lux	Mean Lux	% of grid target exceeded Minimum 50% of Grid	Meets Criteria
3A-03-03.2	Bed	13.6	110	100	568	100.0%	Y
3A-03-04.1	LKD	29.7	276	200	718	100.0%	Y
3A-03-04.2	Bed	6.6	42	100	841	100.0%	Y
3A-03-04.3	Bed	11.2	96	100	677	100.0%	Y
3A-03-05.1	LKD	26.8	256	200	700	100.0%	Y
3A-03-05.2	Bed	6.9	48	100	1091	100.0%	Y
3A-03-05.3	Bed	11.0	96	100	1241	100.0%	Y
3A-03-06.1	LKD	20.2	171	200	708	98.2%	Y
3A-03-06.2	Bed	10.2	88	100	911	100.0%	Y
3A-03-07.1	LKD	20.2	171	200	719	98.8%	Y
3A-03-07.2	Bed	10.2	88	100	911	100.0%	Y
3A-03-08.1	LKD	20.2	171	200	741	99.4%	Y
3A-03-08.2	Bed	10.2	88	100	921	100.0%	Y
3A-03-09.1	LKD	20.2	171	200	784	99.4%	Y
3A-03-09.2	Bed	10.2	88	100	957	100.0%	Y
3A-03-10.1	LKD	28.6	260	200	2574	100.0%	Y
3A-03-10.2	Bed	5.1	34	100	3292	100.0%	Y
3A-03-10.3	Bed	9.3	72	100	2280	100.0%	Y
3A-03-11.1	LKD	27.0	230	200	3096	100.0%	Y
3A-03-11.2	Bed	6.7	54	100	1480	100.0%	Y
3A-03-11.3	Bed	10.9	88	100	1264	100.0%	Y
3A-03-12.1	LKD	20.1	171	200	982	97.7%	Y
3A-03-12.2	Bed	10.1	80	100	1143	100.0%	Y
3A-03-13.1	LKD	20.1	171	200	923	100.0%	Y
3A-03-13.2	Bed	10.1	80	100	1116	100.0%	Y
3A-03-14.1	LKD	20.1	171	200	878	100.0%	Y
3A-03-14.2	Bed	10.1	80	100	1066	100.0%	Y
3A-04-01.1	LKD	23.6	202	200	1384	100.0%	Y
3A-04-01.2	Bed	10.8	90	100	1190	100.0%	Y
3A-04-02.1	LKD	31.8	304	200	1947	100.0%	Y
3A-04-02.2	Bed	14.2	117	100	1330	100.0%	Y
3A-04-02.3	Bed	9.7	66	100	760	100.0%	Y
3A-04-03.1	LKD	28.5	264	200	1261	100.0%	Y
3A-04-03.2	Bed	8.1	60	100	1297	100.0%	Y
3A-04-03.3	Bed	10.1	80	100	1498	100.0%	Y
3A-04-04.1	LKD	20.2	171	200	1240	100.0%	Y
3A-04-04.2	Bed	10.2	88	100	1108	100.0%	Y
3A-04-05.1	LKD	20.2	171	200	1240	100.0%	Y
3A-04-05.2	Bed	10.2	88	100	1092	100.0%	Y
3A-04-06.1	LKD	20.2	171	200	1255	100.0%	Y
3A-04-06.2	Bed	10.2	88	100	1092	100.0%	Y
3A-04-07.1	LKD	20.2	171	200	1279	100.0%	Y
3A-04-07.2	Bed	10.2	88	100	1130	100.0%	Y
3A-04-08.1	LKD	28.6	260	200	3122	100.0%	Y
3A-04-08.2	Bed	5.1	34	100	3368	100.0%	Y
3A-04-08.3	Bed	9.3	72	100	2301	100.0%	Y
3A-04-09.1	LKD	27.0	230	200	3521	100.0%	Y
3A-04-09.2	Bed	6.7	54	100	1640	100.0%	Y
3A-04-09.3	Bed	10.9	88	100	1318	100.0%	Y
3A-04-10.1	LKD	20.1	171	200	1450	97.7%	Y

Block 3A - Minimum Illuminance Levels to BS EN 17037:2018+A1:2021

Space ID	Use	Area m2	Sensor Count	Target Lux	Mean Lux	% of grid target exceeded	Minimum 50% of Grid	Meets Criteria
3A-04-10.2	Bed	10.1	80	100	1245	100.0%	Y	
3A-04-11.1	LKD	20.1	171	200	1410	100.0%	Y	
3A-04-11.2	Bed	10.1	80	100	1255	100.0%	Y	
3A-04-12.1	LKD	20.1	171	200	1412	100.0%	Y	
3A-04-12.2	Bed	10.1	80	100	1255	100.0%	Y	

Table 20: Minimum Daylight Provision Compliance for Habitable Rooms to BS EN17037:2018+A1:2021

Block 3B - Minimum Illuminance Levels to BS EN 17037:2018+A1:2021

Space ID	Use	Area m2	Sensor Count	Target Lux	Mean Lux	% of grid target exceeded	Minimum 50% of Grid	Meets Criteria
3B-00-01.1	LKD	26.1	230	200	815	97.8%	Y	
3B-00-01.2	Bed	11.4	99	100	535	100.0%	Y	
3B-00-01.3	Bed	6.6	48	100	759	100.0%	Y	
3B-00-02.1	LKD	22.0	195	200	742	100.0%	Y	
3B-00-02.2	Bed	11.0	88	100	360	95.5%	Y	
3B-00-03.1	LKD	20.1	171	200	422	66.1%	Y	
3B-00-03.2	Bed	10.1	80	100	506	100.0%	Y	
3B-00-04.1	LKD	20.0	171	200	472	75.4%	Y	
3B-00-04.2	Bed	10.1	80	100	577	100.0%	Y	
3B-00-05.1	LKD	27.1	253	200	1377	100.0%	Y	
3B-00-05.2	Bed	6.7	54	100	745	100.0%	Y	
3B-00-05.3	Bed	10.9	88	100	651	100.0%	Y	
3B-00-06.1	LKD	28.7	260	200	1951	100.0%	Y	
3B-00-06.2	Bed	5.2	30	100	1892	100.0%	Y	
3B-00-06.3	Bed	9.4	72	100	1122	100.0%	Y	
3B-00-07.1	LKD	18.6	153	200	1033	100.0%	Y	
3B-00-07.2	Bed	10.2	88	100	1087	100.0%	Y	
3B-00-08.1	LKD	18.6	153	200	1013	100.0%	Y	
3B-00-08.2	Bed	10.2	88	100	1078	100.0%	Y	
3B-00-09.1	LKD	18.6	153	200	994	100.0%	Y	
3B-00-09.2	Bed	10.2	88	100	1022	100.0%	Y	
3B-01-01.1	LKD	21.3	186	200	810	100.0%	Y	
3B-01-01.2	Bed	6.7	54	100	1059	100.0%	Y	
3B-01-01.3	Bed	11.0	90	100	594	100.0%	Y	
3B-01-02.1	LKD	26.1	230	200	874	100.0%	Y	
3B-01-02.2	Bed	11.4	99	100	607	100.0%	Y	
3B-01-02.3	Bed	6.6	48	100	844	100.0%	Y	
3B-01-03.1	LKD	32.8	306	200	565	100.0%	Y	
3B-01-03.2	Bed	13.4	110	100	510	100.0%	Y	
3B-01-04.1	LKD	29.3	272	200	796	100.0%	Y	
3B-01-04.2	Bed	6.6	40	100	762	100.0%	Y	
3B-01-04.3	Bed	11.2	96	100	645	100.0%	Y	
3B-01-05.1	LKD	20.6	190	200	935	100.0%	Y	
3B-01-05.2	Bed	11.8	102	100	1345	100.0%	Y	
3B-01-06.1	LKD	18.6	153	200	1049	100.0%	Y	
3B-01-06.2	Bed	10.2	88	100	1153	100.0%	Y	
3B-01-07.1	LKD	18.6	153	200	1059	100.0%	Y	
3B-01-07.2	Bed	10.2	88	100	1174	100.0%	Y	
3B-01-08.1	LKD	18.6	153	200	1074	100.0%	Y	

Block 3B - Minimum Illuminance Levels to BS EN 17037:2018+A1:2021

Space ID	Use	Area m2	Sensor Count	Target Lux	Mean Lux	% of grid target exceeded , Minimum 50% of Grid	Meets Criteria
3B-01-08.2	Bed	10.2	88	100	1197	100.0%	Y
3B-01-09.1	LKD	28.7	260	200	2526	100.0%	Y
3B-01-09.2	Bed	5.2	30	100	2844	100.0%	Y
3B-01-09.3	Bed	9.4	72	100	1830	100.0%	Y
3B-01-10.1	LKD	27.1	253	200	2203	100.0%	Y
3B-01-10.2	Bed	6.7	54	100	936	100.0%	Y
3B-01-10.3	Bed	10.9	88	100	794	100.0%	Y
3B-01-11.1	LKD	20.0	171	200	558	91.8%	Y
3B-01-11.2	Bed	10.1	80	100	723	100.0%	Y
3B-01-12.1	LKD	20.1	171	200	505	78.4%	Y
3B-01-12.2	Bed	10.1	80	100	653	100.0%	Y
3B-02-01.1	LKD	21.3	186	200	952	100.0%	Y
3B-02-01.2	Bed	6.7	54	100	1334	100.0%	Y
3B-02-01.3	Bed	11.0	90	100	737	100.0%	Y
3B-02-02.1	LKD	26.1	230	200	988	100.0%	Y
3B-02-02.2	Bed	11.4	99	100	635	100.0%	Y
3B-02-02.3	Bed	6.6	48	100	872	100.0%	Y
3B-02-03.1	LKD	32.8	306	200	599	100.0%	Y
3B-02-03.2	Bed	13.4	110	100	536	100.0%	Y
3B-02-04.1	LKD	29.3	272	200	842	100.0%	Y
3B-02-04.2	Bed	6.6	40	100	793	100.0%	Y
3B-02-04.3	Bed	11.2	96	100	671	100.0%	Y
3B-02-05.1	LKD	20.6	190	200	1018	100.0%	Y
3B-02-05.2	Bed	11.8	102	100	1422	100.0%	Y
3B-02-06.1	LKD	18.6	153	200	1113	100.0%	Y
3B-02-06.2	Bed	10.2	88	100	1221	100.0%	Y
3B-02-07.1	LKD	18.6	153	200	1126	100.0%	Y
3B-02-07.2	Bed	10.2	88	100	1235	100.0%	Y
3B-02-08.1	LKD	18.6	153	200	1140	100.0%	Y
3B-02-08.2	Bed	10.2	88	100	1246	100.0%	Y
3B-02-09.1	LKD	28.7	260	200	2658	100.0%	Y
3B-02-09.2	Bed	5.2	30	100	3023	100.0%	Y
3B-02-09.3	Bed	9.4	72	100	2011	100.0%	Y
3B-02-10.1	LKD	27.1	253	200	2522	100.0%	Y
3B-02-10.2	Bed	6.7	54	100	1066	100.0%	Y
3B-02-10.3	Bed	10.9	88	100	911	100.0%	Y
3B-02-11.1	LKD	20.0	171	200	671	98.2%	Y
3B-02-11.2	Bed	10.1	80	100	841	100.0%	Y
3B-02-12.1	LKD	20.1	171	200	629	94.2%	Y
3B-02-12.2	Bed	10.1	80	100	793	100.0%	Y
3B-03-01.1	LKD	21.3	186	200	2017	100.0%	Y
3B-03-01.2	Bed	6.7	54	100	876	100.0%	Y
3B-03-01.3	Bed	11.0	90	100	485	100.0%	Y
3B-03-02.1	LKD	26.1	230	200	1194	100.0%	Y
3B-03-02.2	Bed	11.4	99	100	663	100.0%	Y
3B-03-02.3	Bed	6.6	48	100	925	100.0%	Y
3B-03-03.1	LKD	32.8	306	200	621	100.0%	Y
3B-03-03.2	Bed	13.4	110	100	588	100.0%	Y
3B-03-04.1	LKD	29.3	272	200	927	100.0%	Y
3B-03-04.2	Bed	6.6	40	100	826	100.0%	Y
3B-03-04.3	Bed	11.2	96	100	695	100.0%	Y

Block 3B - Minimum Illuminance Levels to BS EN 17037:2018+A1:2021

Space ID	Use	Area m2	Sensor Count	Target Lux	Mean Lux	% of grid target exceeded , Minimum 50% of Grid	Meets Criteria
3B-03-05.1	LKD	20.6	190	200	1467	100.0%	Y
3B-03-05.2	Bed	11.8	102	100	1525	100.0%	Y
3B-03-06.1	LKD	18.6	153	200	1596	100.0%	Y
3B-03-06.2	Bed	10.2	88	100	1319	100.0%	Y
3B-03-07.1	LKD	18.6	153	200	1590	100.0%	Y
3B-03-07.2	Bed	10.2	88	100	1333	100.0%	Y
3B-03-08.1	LKD	18.6	153	200	1617	100.0%	Y
3B-03-08.2	Bed	10.2	88	100	1328	100.0%	Y
3B-03-09.1	LKD	28.7	260	200	3180	100.0%	Y
3B-03-09.2	Bed	5.2	30	100	3075	100.0%	Y
3B-03-09.3	Bed	9.4	72	100	2097	100.0%	Y
3B-03-10.1	LKD	27.1	253	200	3063	100.0%	Y
3B-03-10.2	Bed	6.7	54	100	1350	100.0%	Y
3B-03-10.3	Bed	10.9	88	100	1014	100.0%	Y
3B-03-11.1	LKD	20.0	171	200	1155	100.0%	Y
3B-03-11.2	Bed	10.1	80	100	1016	100.0%	Y
3B-03-12.1	LKD	20.1	171	200	1134	100.0%	Y
3B-03-12.2	Bed	10.1	80	100	989	100.0%	Y
3B-04-01.1	LKD	20.3	187	200	2128	100.0%	Y
3B-04-01.2	Bed	11.6	96	100	1990	100.0%	Y
3B-04-02.1	LKD	28.3	255	200	2211	100.0%	Y
3B-04-02.2	Bed	11.6	96	100	1726	100.0%	Y
3B-04-02.3	Bed	9.7	70	100	761	100.0%	Y

Table 21: Minimum Daylight Provision Compliance for Habitable Rooms to BS EN17037:2018+A1:2021



Figure 35: Block 4 - Floor plans indicating Daylight Provision to BS EN 17037:2018+A1:2021

Block 4



Second Floor

Figure 36: Block 4 - Floor plans indicating Daylight Provision to BS EN 17037:2018+A1:2021

Block 4



Third Floor

Figure 37: Block 4 - Floor plans indicating Daylight Provision to BS EN 17037:2018+A1:2021

Block 4



Figure 38: Block 4 - Floor plans indicating Daylight Provision to BS EN 17037:2018+A1:2021

Block 4A - Minimum Illuminance Levels to BS EN 17037:2018+A1:2021

Space ID	Use	Area m2	Sensor Count	Target Lux	Mean Lux	% of grid target exceeded Minimum 50% of Grid	Meets Criteria
4A-0-01.1	LKD	19.5	162	200	330	68.5%	Y
4A-0-01.2	Bed	10.1	80	100	636	100.0%	Y
4A-0-02.1	LKD	18.7	153	200	696	98.7%	Y
4A-0-02.2	Bed	10.1	80	100	749	100.0%	Y
4A-0-03.1	LKD	28.8	253	200	562	62.1%	Y
4A-0-03.2	Bed	6.3	40	100	621	100.0%	Y
4A-0-03.3	Bed	12.8	112	100	630	100.0%	Y
4A-1-01.1	LKD	28.8	257	200	597	100.0%	Y
4A-1-01.2	Bed	6.5	40	100	693	100.0%	Y
4A-1-01.3	Bed	11.0	96	100	659	100.0%	Y
4A-1-02.1	LKD	32.5	289	200	570	100.0%	Y
4A-1-02.2	Bed	13.6	110	100	531	100.0%	Y
4A-1-03.1	LKD	25.8	220	200	1019	100.0%	Y
4A-1-03.2	Bed	11.3	90	100	627	100.0%	Y
4A-1-03.3	Bed	6.5	48	100	858	100.0%	Y
4A-1-04.1	LKD	24.5	219	200	1104	100.0%	Y
4A-1-04.5	Bed	13.5	117	100	874	100.0%	Y
4A-1-05.1	LKD	20.2	171	200	670	98.8%	Y
4A-1-05.2	Bed	10.2	88	100	843	100.0%	Y
4A-1-06.1	LKD	20.2	171	200	735	99.4%	Y

Block 4A - Minimum Illuminance Levels to BS EN 17037:2018+A1:2021

Space ID	Use	Area m2	Sensor Count	Target Lux	Mean Lux	% of grid target exceeded , Minimum 50% of Grid	Meets Criteria
4A-1-06.2	Bed	10.1	88	100	966	100.0%	Y
4A-1-07.1	LKD	20.2	171	200	795	100.0%	Y
4A-1-07.2	Bed	10.1	88	100	1018	100.0%	Y
4A-1-08.1	LKD	20.2	171	200	896	100.0%	Y
4A-1-08.2	Bed	10.1	88	100	1068	100.0%	Y
4A-1-09.1	LKD	27.1	240	200	2939	100.0%	Y
4A-1-09.2	Bed	6.4	36	100	974	100.0%	Y
4A-1-09.3	Bed	12.8	112	100	967	100.0%	Y
4A-1-10.1	LKD	28.2	260	200	1569	100.0%	Y
4A-1-10.2	Bed	5.1	30	100	2843	100.0%	Y
4A-1-10.3	Bed	9.4	72	100	1894	100.0%	Y
4A-1-11.1	LKD	19.9	162	200	445	62.3%	Y
4A-1-11.2	Bed	9.9	80	100	712	100.0%	Y
4A-1-12.1	LKD	19.9	162	200	531	75.9%	Y
4A-1-12.1	Bed	9.9	80	100	779	100.0%	Y
4A-1-13.1	LKD	19.9	162	200	626	95.7%	Y
4A-1-13.2	Bed	9.9	80	100	877	100.0%	Y
4A-1-14.1	LKD	19.9	162	200	675	97.5%	Y
4A-1-14.2	Bed	9.9	80	100	900	100.0%	Y
4A-1-15.1	LKD	19.9	162	200	679	98.1%	Y
4A-1-15.2	Bed	9.9	80	100	884	100.0%	Y
4A-1-16.1	LKD	23.7	223	200	678	100.0%	Y
4A-1-16.2	Bed	7.7	64	100	887	100.0%	Y
4A-1-16.3	Bed	10.3	88	100	962	100.0%	Y
4A-2-01.1	LKD	28.8	257	200	671	100.0%	Y
4A-2-01.2	Bed	6.5	40	100	715	100.0%	Y
4A-2-01.3	Bed	11.0	96	100	680	100.0%	Y
4A-2-02.1	LKD	32.5	289	200	596	100.0%	Y
4A-2-02.2	Bed	13.6	110	100	549	100.0%	Y
4A-2-03.1	LKD	25.8	220	200	1108	100.0%	Y
4A-2-03.2	Bed	11.3	90	100	642	100.0%	Y
4A-2-03.3	Bed	6.5	48	100	884	100.0%	Y
4A-2-04.1	LKD	22.7	208	200	1293	100.0%	Y
4A-2-04.2	Bed	6.5	45	100	1544	100.0%	Y
4A-2-04.3	Bed	11.1	90	100	794	100.0%	Y
4A-2-05.1	LKD	20.2	171	200	788	98.8%	Y
4A-2-05.2	Bed	10.2	88	100	1018	100.0%	Y
4A-2-06.1	LKD	20.2	171	200	876	100.0%	Y
4A-2-06.2	Bed	10.1	88	100	1138	100.0%	Y
4A-2-07.1	LKD	20.2	171	200	930	100.0%	Y
4A-2-07.2	Bed	10.1	88	100	1181	100.0%	Y
4A-2-08.1	LKD	20.2	171	200	979	100.0%	Y
4A-2-08.2	Bed	10.1	88	100	1236	100.0%	Y
4A-2-09.1	LKD	27.1	240	200	3000	100.0%	Y
4A-2-09.2	Bed	6.4	36	100	988	100.0%	Y
4A-2-09.3	Bed	12.8	112	100	1054	100.0%	Y
4A-2-10.1	LKD	28.2	260	200	2268	100.0%	Y
4A-2-10.2	Bed	5.1	30	100	2890	100.0%	Y
4A-2-10.3	Bed	9.4	72	100	1898	100.0%	Y
4A-2-11.1	LKD	19.9	162	200	824	100.0%	Y

Block 4A - Minimum Illuminance Levels to BS EN 17037:2018+A1:2021

Space ID	Use	Area m2	Sensor Count	Target Lux	Mean Lux	% of grid target exceeded	Minimum 50% of Grid	Meets Criteria
4A-2-11.2	Bed	9.9	80	100	956	100.0%	Y	
4A-2-12.1	LKD	19.9	162	200	799	100.0%	Y	
4A-2-12.2	Bed	9.9	80	100	944	100.0%	Y	
4A-2-13.1	LKD	19.9	162	200	792	100.0%	Y	
4A-2-13.2	Bed	9.9	80	100	970	100.0%	Y	
4A-2-14.1	LKD	19.9	162	200	796	100.0%	Y	
4A-2-14.2	Bed	9.9	80	100	984	100.0%	Y	
4A-2-15.1	LKD	19.9	162	200	792	100.0%	Y	
4A-2-15.2	Bed	9.9	80	100	963	100.0%	Y	
4A-2-16.1	LKD	23.7	223	200	791	100.0%	Y	
4A-2-16.2	Bed	7.7	64	100	1021	100.0%	Y	
4A-2-16.3	Bed	10.3	88	100	1134	100.0%	Y	
4A-3-01.1	LKD	28.8	257	200	776	100.0%	Y	
4A-3-01.2	Bed	6.5	40	100	718	100.0%	Y	
4A-3-01.3	Bed	11.0	96	100	694	100.0%	Y	
4A-3-02.1	LKD	32.5	289	200	616	100.0%	Y	
4A-3-02.2	Bed	13.6	110	100	585	100.0%	Y	
4A-3-03.1	LKD	25.8	220	200	1220	100.0%	Y	
4A-3-03.2	Bed	11.3	90	100	660	100.0%	Y	
4A-3-03.3	Bed	6.5	48	100	919	100.0%	Y	
4A-3-04.1	LKD	22.7	208	200	1487	100.0%	Y	
4A-3-04.2	Bed	6.5	45	100	1076	100.0%	Y	
4A-3-04.3	Bed	11.1	90	100	597	100.0%	Y	
4A-3-05.1	LKD	20.2	171	200	1318	100.0%	Y	
4A-3-05.2	Bed	10.2	88	100	1220	100.0%	Y	
4A-3-06.1	LKD	20.2	171	200	1374	100.0%	Y	
4A-3-06.2	Bed	10.1	88	100	1295	100.0%	Y	
4A-3-07.1	LKD	20.2	171	200	1407	100.0%	Y	
4A-3-07.2	Bed	10.1	88	100	1316	100.0%	Y	
4A-3-08.1	LKD	20.2	171	200	1425	100.0%	Y	
4A-3-08.2	Bed	10.1	88	100	1363	100.0%	Y	
4A-3-09.1	LKD	27.1	240	200	3125	100.0%	Y	
4A-3-09.2	Bed	6.4	36	100	1557	100.0%	Y	
4A-3-09.3	Bed	12.8	112	100	1173	100.0%	Y	
4A-3-10.1	LKD	28.2	260	200	3220	100.0%	Y	
4A-3-10.2	Bed	5.1	30	100	3177	100.0%	Y	
4A-3-10.3	Bed	9.4	72	100	1938	100.0%	Y	
4A-3-11.1	LKD	19.9	162	200	1363	100.0%	Y	
4A-3-11.2	Bed	9.9	80	100	1183	100.0%	Y	
4A-3-12.1	LKD	19.9	162	200	1309	100.0%	Y	
4A-3-12.2	Bed	9.9	80	100	1139	100.0%	Y	
4A-3-13.1	LKD	19.9	162	200	1277	100.0%	Y	
4A-3-13.2	Bed	9.9	80	100	1108	100.0%	Y	
4A-3-14.1	LKD	19.9	162	200	1259	100.0%	Y	
4A-3-14.2	Bed	9.9	80	100	1118	100.0%	Y	
4A-3-15.1	LKD	19.9	162	200	1255	100.0%	Y	
4A-3-15.2	Bed	9.9	80	100	1112	100.0%	Y	
4A-3-16.1	LKD	23.7	223	200	1368	100.0%	Y	
4A-3-16.2	Bed	7.7	64	100	1285	100.0%	Y	
4A-3-16.3	Bed	10.3	88	100	1295	100.0%	Y	

Block 4A - Minimum Illuminance Levels to BS EN 17037:2018+A1:2021

Space ID	Use	Area m2	Sensor Count	Target Lux	Mean Lux	% of grid target exceeded , Minimum 50% of Grid	Meets Criteria
4A-4-01.1	LKD	29.1	272	200	2156	100.0%	Y
4A-4-01.2	Bed	11.3	96	100	1881	100.0%	Y
4A-4-01.3	Bed	10.0	70	100	766	100.0%	Y
4A-4-02.1	LKD	20.5	170	200	2151	100.0%	Y
4A-4-02.2	Bed	11.6	96	100	1950	100.0%	Y

Table 22: Minimum Daylight Provision Compliance for Habitable Rooms to BS EN17037:2018+A1:2021

Block 4B - Minimum Illuminance Levels to BS EN 17037:2018+A1:2021

Space ID	Use	Area m2	Sensor Count	Target Lux	Mean Lux	% of grid target exceeded , Minimum 50% of Grid	Meets Criteria
4B-0-01.1	LKD	19.5	162	200	342	72.2%	Y
4B-0-01.2	Bed	10.1	80	100	639	100.0%	Y
4B-0-02.1	LKD	18.4	153	200	463	88.9%	Y
4B-0-02.2	Bed	10.0	80	100	541	100.0%	Y
4B-0-03.1	LKD	20.0	171	200	405	64.3%	Y
4B-0-03.2	Bed	10.0	80	100	518	100.0%	Y
4B-0-04.1	LKD	20.0	171	200	424	67.8%	Y
4B-0-04.2	Bed	10.0	80	100	510	100.0%	Y
4B-0-05.1	LKD	20.0	171	200	484	74.9%	Y
4B-0-05.2	Bed	10.0	80	100	503	100.0%	Y
4B-0-06.1	LKD	29.1	250	200	1917	100.0%	Y
4B-0-06.2	Bed	6.4	48	100	779	100.0%	Y
4B-0-06.3	Bed	11.1	88	100	609	100.0%	Y
4B-1-01.1	LKD	28.8	257	200	708	100.0%	Y
4B-1-01.2	Bed	6.5	40	100	680	100.0%	Y
4B-1-01.3	Bed	11.0	96	100	634	100.0%	Y
4B-1-02.1	LKD	32.4	289	200	564	100.0%	Y
4B-1-02.2	Bed	13.6	110	100	495	100.0%	Y
4B-1-03.1	LKD	25.8	220	200	1005	100.0%	Y
4B-1-03.2	Bed	11.3	90	100	625	100.0%	Y
4B-1-03.3	Bed	6.5	48	100	879	100.0%	Y
4B-1-04.1	LKD	24.5	219	200	1064	100.0%	Y
4B-1-04.2	Bed	13.4	117	100	808	100.0%	Y
4B-1-05.1	LKD	20.3	171	200	692	97.1%	Y
4B-1-05.2	Bed	10.2	88	100	831	100.0%	Y
4B-1-06.1	LKD	20.3	171	200	751	99.4%	Y
4B-1-06.2	Bed	10.2	88	100	949	100.0%	Y
4B-1-07.1	LKD	20.3	171	200	807	98.8%	Y
4B-1-07.2	Bed	10.2	88	100	987	100.0%	Y
4B-1-08.1	LKD	29.1	272	200	2542	100.0%	Y
4B-1-08.2	Bed	5.3	35	100	3129	100.0%	Y
4B-1-08.3	Bed	9.6	72	100	1989	100.0%	Y
4B-1-09.1	LKD	27.4	253	200	2408	100.0%	Y
4B-1-09.2	Bed	6.4	48	100	994	100.0%	Y
4B-1-09.3	Bed	11.1	88	100	775	100.0%	Y
4B-1-10.1	LKD	20.0	171	200	535	84.8%	Y
4B-1-10.2	Bed	10.0	80	100	666	100.0%	Y
4B-1-11.1	LKD	20.0	171	200	481	76.0%	Y

Block 4B - Minimum Illuminance Levels to BS EN 17037:2018+A1:2021

Space ID	Use	Area m2	Sensor Count	Target Lux	Mean Lux	% of grid target exceeded , Minimum 50% of Grid	Meets Criteria
4B-1-11.2	Bed	10.0	80	100	681	100.0%	Y
4B-1-12.1	LKD	20.0	171	200	460	73.7%	Y
4B-1-12.2	Bed	10.0	80	100	685	100.0%	Y
4B-1-13.1	LKD	18.4	153	200	525	96.7%	Y
4B-1-13.2	Bed	10.0	80	100	713	100.0%	Y
4B-1-14.1	LKD	25.7	230	200	429	64.3%	Y
4B-1-14.2	Bed	12.5	110	100	696	100.0%	Y
4B-2-01.1	LKD	28.8	257	200	769	100.0%	Y
4B-2-01.2	Bed	6.5	40	100	698	100.0%	Y
4B-2-01.3	Bed	11.0	96	100	661	100.0%	Y
4B-2-02.1	LKD	32.4	289	200	598	100.0%	Y
4B-2-02.2	Bed	13.6	110	100	514	100.0%	Y
4B-2-03.1	LKD	25.8	220	200	1093	100.0%	Y
4B-2-03.2	Bed	11.3	90	100	643	100.0%	Y
4B-2-03.3	Bed	6.5	48	100	904	100.0%	Y
4B-2-04.1	LKD	22.7	208	200	1215	100.0%	Y
4B-2-04.2	Bed	6.5	45	100	1593	100.0%	Y
4B-2-04.3	Bed	11.1	90	100	781	100.0%	Y
4B-2-05.1	LKD	20.3	171	200	793	100.0%	Y
4B-2-05.2	Bed	10.2	88	100	939	100.0%	Y
4B-2-06.1	LKD	20.3	171	200	864	100.0%	Y
4B-2-06.2	Bed	10.2	88	100	1068	100.0%	Y
4B-2-07.1	LKD	20.3	171	200	915	100.0%	Y
4B-2-07.2	Bed	10.2	88	100	1100	100.0%	Y
4B-2-08.1	LKD	29.1	272	200	2593	100.0%	Y
4B-2-08.2	Bed	5.3	35	100	3139	100.0%	Y
4B-2-08.3	Bed	9.6	72	100	2055	100.0%	Y
4B-2-09.1	LKD	27.4	253	200	2620	100.0%	Y
4B-2-09.2	Bed	6.4	48	100	1221	100.0%	Y
4B-2-09.3	Bed	11.1	88	100	934	100.0%	Y
4B-2-10.1	LKD	20.0	171	200	679	98.2%	Y
4B-2-10.2	Bed	10.0	80	100	833	100.0%	Y
4B-2-11.1	LKD	20.0	171	200	628	92.4%	Y
4B-2-11.2	Bed	10.0	80	100	878	100.0%	Y
4B-2-12.1	LKD	20.0	171	200	612	91.8%	Y
4B-2-12.2	Bed	10.0	80	100	878	100.0%	Y
4B-2-13.1	LKD	18.4	153	200	694	100.0%	Y
4B-2-13.2	Bed	10.0	80	100	898	100.0%	Y
4B-2-14.1	LKD	25.7	230	200	541	75.2%	Y
4B-2-14.2	Bed	12.5	110	100	1146	100.0%	Y
4B-3-01.1	LKD	28.8	257	200	853	100.0%	Y
4B-3-01.2	Bed	6.5	40	100	731	100.0%	Y
4B-3-01.3	Bed	11.0	96	100	681	100.0%	Y
4B-3-02.1	LKD	32.4	289	200	619	100.0%	Y
4B-3-02.2	Bed	13.6	110	100	561	100.0%	Y
4B-3-03.1	LKD	25.8	220	200	1194	100.0%	Y
4B-3-03.2	Bed	11.3	90	100	665	100.0%	Y
4B-3-03.3	Bed	6.5	48	100	922	100.0%	Y
4B-3-04.1	LKD	22.7	208	200	1342	100.0%	Y
4B-3-04.2	Bed	6.5	45	100	1091	100.0%	Y

Block 4B - Minimum Illuminance Levels to BS EN 17037:2018+A1:2021							
Space ID	Use	Area m2	Sensor Count	Target Lux	Mean Lux	% of grid target exceeded , Minimum 50% of Grid	Meets Criteria
4B-3-04.3	Bed	11.1	90	100	537	100.0%	Y
4B-3-05.1	LKD	20.3	171	200	875	100.0%	Y
4B-3-05.2	Bed	10.2	88	100	1055	100.0%	Y
4B-3-06.1	LKD	20.3	171	200	933	100.0%	Y
4B-3-06.2	Bed	10.2	88	100	1128	100.0%	Y
4B-3-07.1	LKD	20.3	171	200	963	100.0%	Y
4B-3-07.2	Bed	10.2	88	100	1158	100.0%	Y
4B-3-08.1	LKD	29.1	272	200	2635	100.0%	Y
4B-3-08.2	Bed	5.3	35	100	3179	100.0%	Y
4B-3-08.3	Bed	9.6	72	100	2102	100.0%	Y
4B-3-09.1	LKD	27.4	253	200	2773	100.0%	Y
4B-3-09.2	Bed	6.4	48	100	1368	100.0%	Y
4B-3-09.3	Bed	11.1	88	100	1061	100.0%	Y
4B-3-10.1	LKD	20.0	171	200	830	100.0%	Y
4B-3-10.2	Bed	10.0	80	100	982	100.0%	Y
4B-3-11.1	LKD	20.0	171	200	793	100.0%	Y
4B-3-11.2	Bed	10.0	80	100	1048	100.0%	Y
4B-3-12.1	LKD	20.0	171	200	787	100.0%	Y
4B-3-12.2	Bed	10.0	80	100	1052	100.0%	Y
4B-3-13.1	LKD	18.4	153	200	877	100.0%	Y
4B-3-13.2	Bed	10.0	80	100	1065	100.0%	Y
4B-3-14.1	LKD	25.7	230	200	675	96.5%	Y
4B-3-14.2	Bed	12.5	110	100	1283	100.0%	Y
4B-4-01.1	LKD	31.3	304	200	1989	100.0%	Y
4B-4-01.2	Bed	13.9	117	100	1407	100.0%	Y
4B-4-01.3	Bed	9.6	66	100	754	100.0%	Y
4B-4-02.1	LKD	23.1	192	200	1346	100.0%	Y
4B-4-02.2	Bed	11.1	90	100	1056	100.0%	Y
4B-4-03.1	LKD	20.3	171	200	1298	100.0%	Y
4B-4-03.2	Bed	10.2	88	100	1205	100.0%	Y
4B-4-04.1	LKD	20.3	171	200	1318	100.0%	Y
4B-4-04.2	Bed	10.2	88	100	1224	100.0%	Y
4B-4-05.1	LKD	20.3	171	200	1319	100.0%	Y
4B-4-05.2	Bed	10.2	88	100	1241	100.0%	Y
4B-4-06.1	LKD	29.1	272	200	3057	100.0%	Y
4B-4-06.2	Bed	5.3	35	100	3224	100.0%	Y
4B-4-06.3	Bed	9.6	72	100	2103	100.0%	Y
4B-4-07.1	LKD	27.4	253	200	3263	100.0%	Y
4B-4-07.2	Bed	6.4	48	100	1691	100.0%	Y
4B-4-07.3	Bed	11.1	88	100	1154	100.0%	Y
4B-4-08.1	LKD	20.0	171	200	1366	100.0%	Y
4B-4-08.2	Bed	10.0	80	100	1147	100.0%	Y
4B-4-09.1	LKD	20.0	171	200	1356	100.0%	Y
4B-4-09.2	Bed	10.0	80	100	1236	100.0%	Y
4B-4-10.1	LKD	20.0	171	200	1353	100.0%	Y
4B-4-10.2	Bed	10.0	80	100	1237	100.0%	Y
4B-4-11.1	LKD	18.4	153	200	1508	100.0%	Y
4B-4-11.2	Bed	10.0	80	100	1251	100.0%	Y
4B-4-12.1	LKD	25.7	230	200	1129	100.0%	Y
4B-4-12.2	Bed	12.5	110	100	1476	100.0%	Y

Table 23: Minimum Daylight Provision Compliance for Habitable Rooms to BS EN17037:2018+A1:2021



Figure 39: Blocks 5 & 6 - Floor plans indicating Daylight Provision to BS EN 17037:2018+A1:2021

Blocks 5 & 6 - Minimum Illuminance Levels to BS EN 17037:2018+A1:2021								
Space ID	Use	Area m ²	Sensor Count	Target Lux	Mean Lux	% of grid target exceeded	Minimum 50% of Grid	Meets Criteria
H04.1	LKD	29.4	254	200	1524	100.0%	Y	Y
H04.2	Bed	6.6	40	100	512	100.0%	Y	Y
H04.3	Bed	10.3	75	100	1876	100.0%	Y	Y
H04.4	Bed	8.0	63	100	781	100.0%	Y	Y
H05.1	LKD	29.4	254	200	926	100.0%	Y	Y
H05.2	Bed	6.6	40	100	1462	100.0%	Y	Y
H05.3	Bed	10.3	75	100	713	100.0%	Y	Y
H05.4	Bed	8.0	63	100	2240	100.0%	Y	Y

Table 24: Minimum daylight provision compliance for habitable rooms to BS EN17037:2018+A1:2021

Appendix B - Supplementary Information - Daylight Provision Room Results to IS EN 17037:2018+A1:2021

Block 1

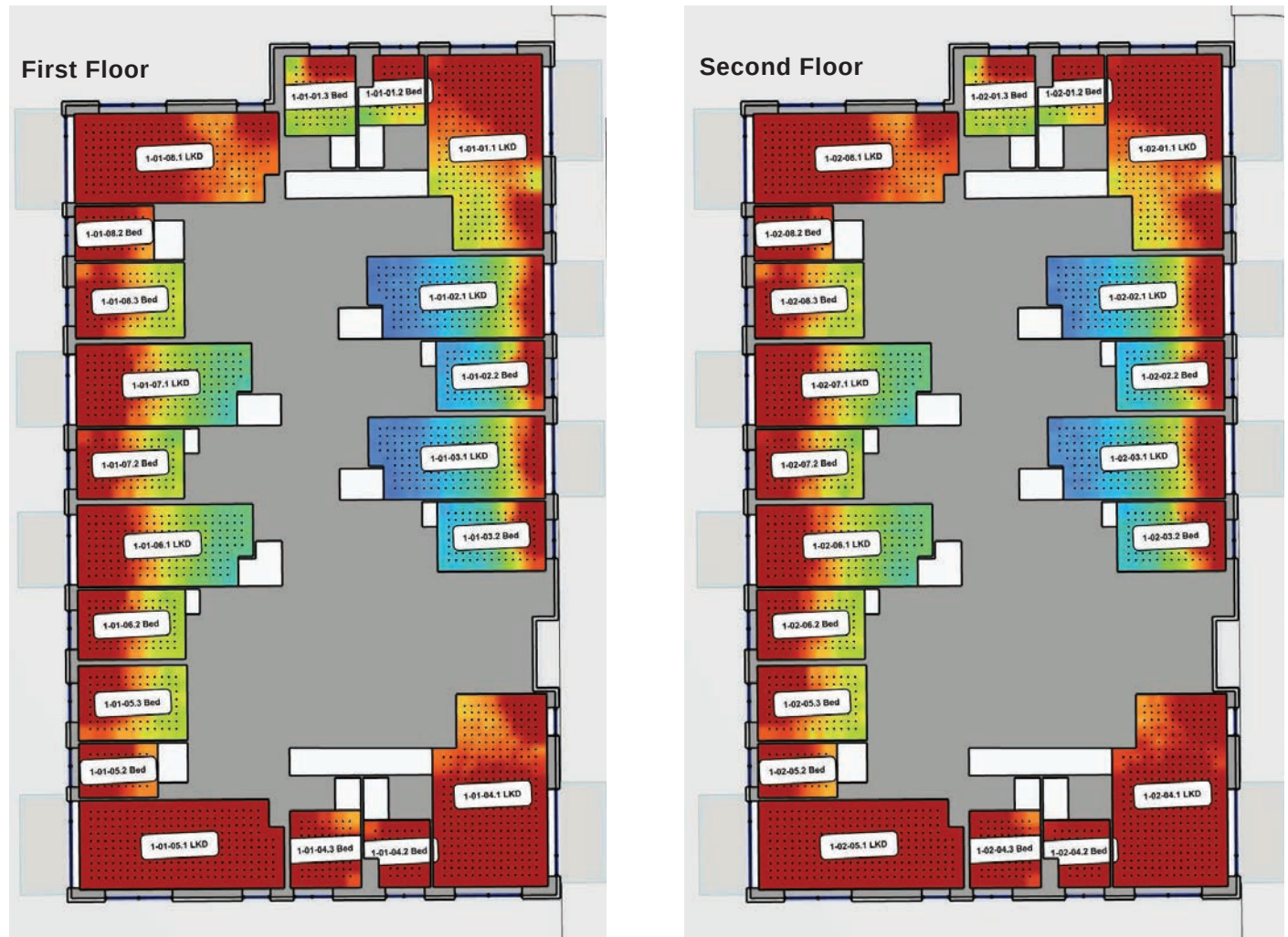


Figure 40: Block 1 - Daylight Provision and Annual Average Illuminance to all Habitable Rooms

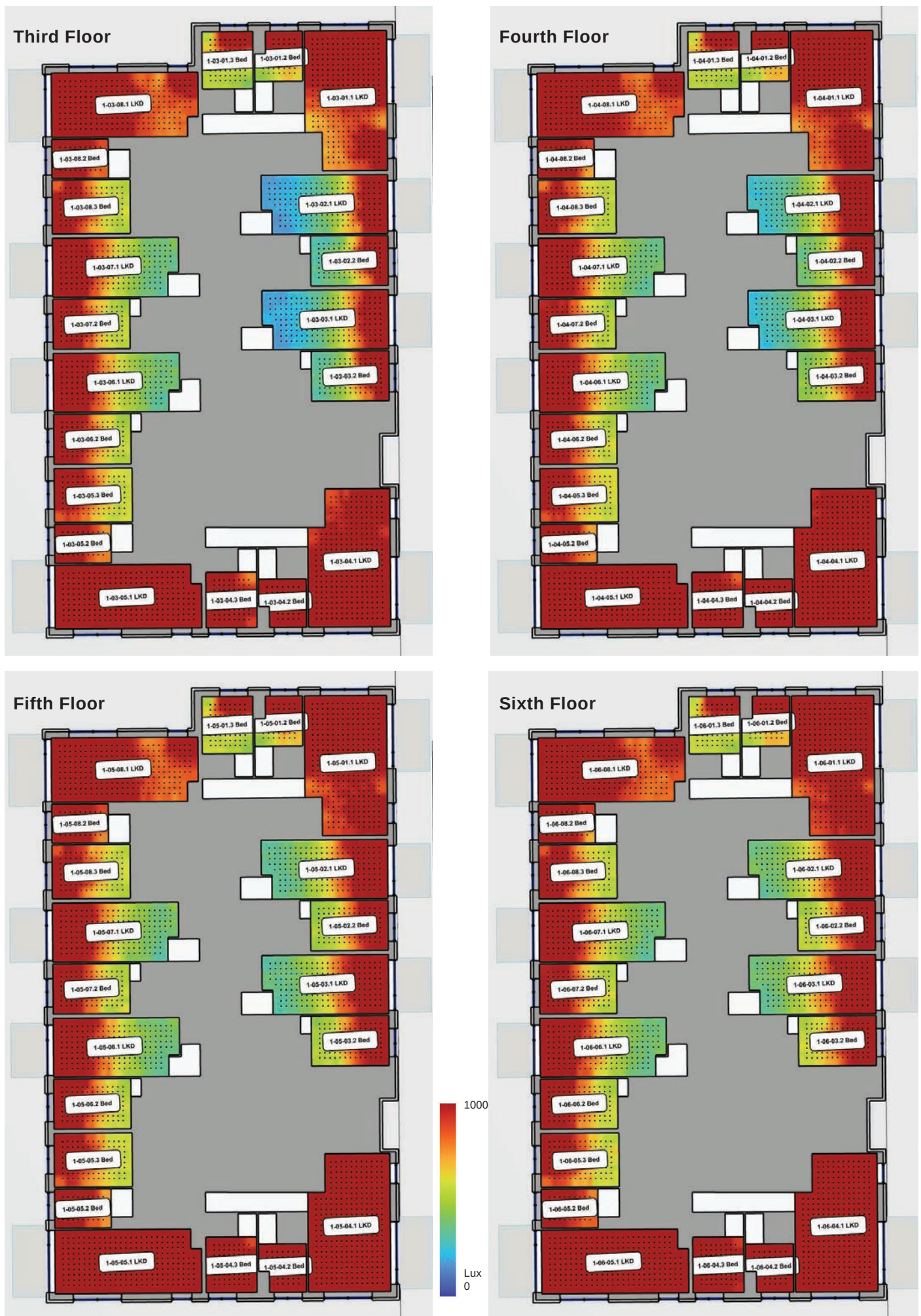


Figure 41: Block 1 - Daylight Provision and Annual Average Illuminance to all Habitable Rooms

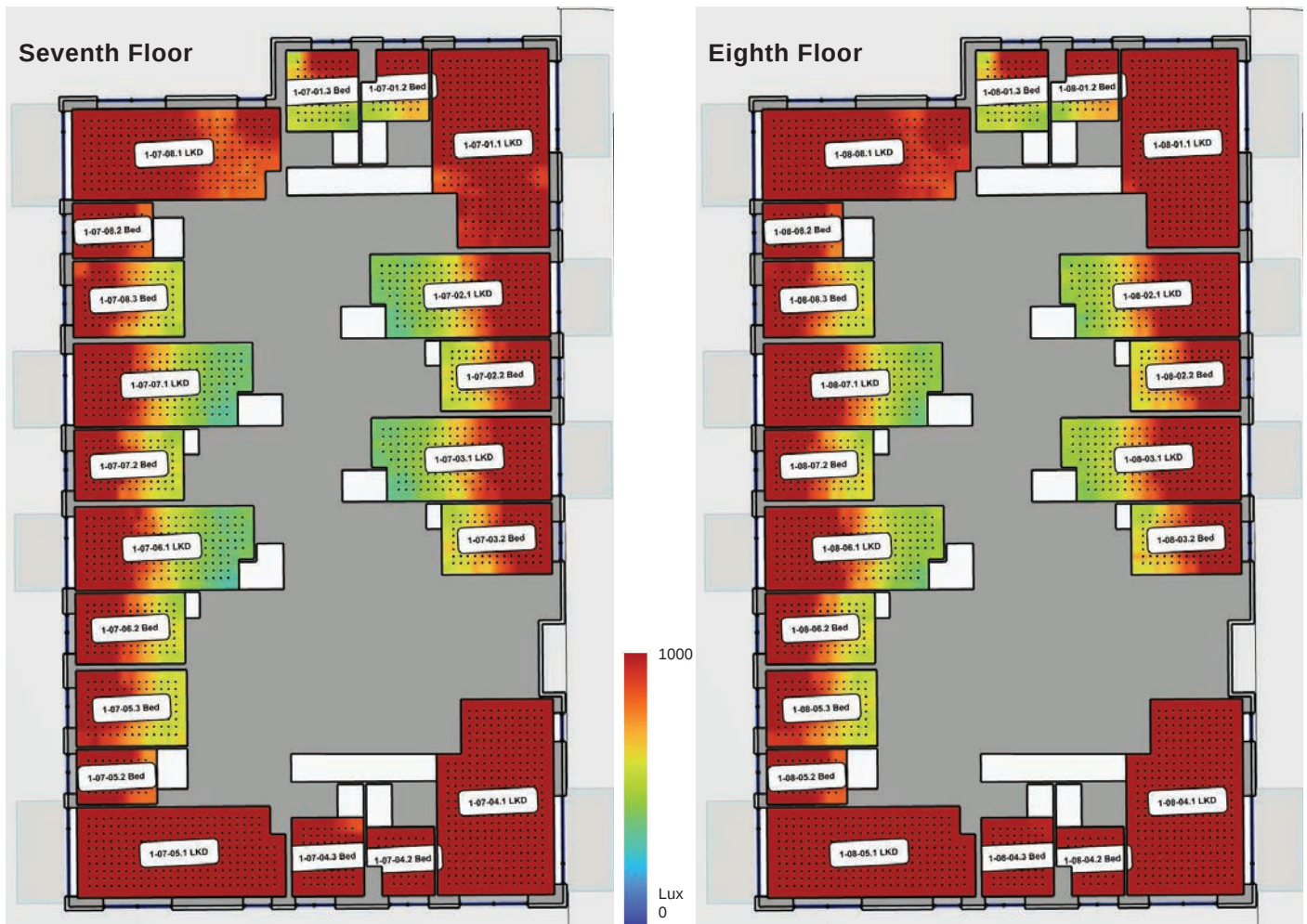


Figure 42: Block 1 - Daylight Provision and Annual Average Illuminance to all Habitable Rooms

Block 1 - IS EN 17037:2018+A1:2021 Daylight Provision Room Schedule											
Space ID	Description	Area m2	Sensor Count	Target Illuminance	300lux_50	500lux_50	750lux_50	Minimum Target Illuminance	100lux_95	300lux_95	500lux_95
1-01-01.1	LKD	33.9	329	High	78.2%	66.2%	52.9%	High	86.4%	68.4%	51.7%
1-01-01.2	Bed	6.7	47	Medium	78.0%	65.4%	49.7%	Medium	87.0%	68.5%	49.2%
1-01-01.3	Bed	9.1	72	Medium	75.6%	59.0%	41.3%	Medium	86.6%	67.3%	47.3%
1-01-02.1	LKD	22.5	189	Fail	36.4%	12.9%	4.9%	Fail	48.9%	4.5%	0.0%
1-01-02.2	Bed	12.1	104	Fail	40.4%	18.4%	4.6%	Minimum	61.8%	16.7%	3.2%
1-01-03.1	LKD	22.5	189	Fail	36.4%	13.4%	5.4%	Fail	49.6%	5.1%	0.2%
1-01-03.2	Bed	12.1	104	Fail	45.9%	25.0%	7.7%	Minimum	64.5%	25.2%	6.7%
1-01-04.1	LKD	33.4	315	High	79.1%	68.7%	59.3%	High	85.5%	67.4%	54.1%
1-01-04.2	Bed	6.5	41	High	78.7%	68.1%	58.6%	High	86.2%	69.9%	56.8%
1-01-04.3	Bed	8.8	72	High	74.7%	62.9%	52.1%	High	84.3%	65.3%	51.9%
1-01-05.1	LKD	28.6	252	High	83.0%	76.1%	66.9%	High	88.4%	77.0%	65.7%
1-01-05.2	Bed	6.9	54	High	78.2%	66.2%	51.4%	High	86.8%	68.3%	51.1%
1-01-05.3	Bed	13.1	104	Medium	69.6%	52.6%	35.4%	Medium	82.9%	58.7%	37.6%
1-01-06.1	LKD	22.5	190	Minimum	65.6%	47.7%	28.4%	Minimum	77.7%	44.0%	18.3%
1-01-06.2	Bed	12.1	104	Medium	70.5%	53.9%	36.5%	Medium	82.3%	57.1%	35.8%
1-01-07.1	LKD	22.4	189	Minimum	65.9%	48.1%	28.4%	Minimum	77.7%	43.9%	18.5%
1-01-07.2	Bed	12.0	104	Medium	69.9%	52.2%	34.9%	Medium	82.2%	56.3%	33.8%
1-01-08.1	LKD	28.9	252	High	83.3%	75.8%	64.6%	High	88.7%	76.5%	61.4%
1-01-08.2	Bed	6.9	54	High	78.0%	66.4%	51.0%	High	86.8%	68.8%	51.3%
1-01-08.3	Bed	13.1	104	Medium	68.0%	50.9%	32.8%	Medium	83.2%	59.7%	37.6%

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Space ID	Description	Area m2	Sensor Count	Target Illuminance	300lux_50	500lux_50	750lux_50	Minimum Target Illuminance	100lux_95	300lux_95	500lux_95
1-02-01.1	LKD	33.9	329	High	79.2%	68.4%	55.3%	High	87.1%	70.5%	54.8%
1-02-01.2	Bed	6.7	47	High	79.1%	67.7%	52.4%	Medium	86.8%	68.2%	49.4%
1-02-01.3	Bed	9.1	72	Medium	75.1%	58.4%	41.4%	Medium	86.6%	67.7%	48.0%
1-02-02.1	LKD	22.5	189	Fail	44.4%	20.8%	6.3%	Minimum	54.7%	5.5%	1.7%
1-02-02.2	Bed	12.1	104	Minimum	53.4%	33.9%	13.2%	Minimum	67.4%	25.5%	5.2%
1-02-03.1	LKD	22.5	189	Fail	44.1%	21.4%	6.8%	Minimum	55.1%	7.9%	2.5%
1-02-03.2	Bed	12.1	104	Minimum	55.1%	37.0%	16.4%	Minimum	69.5%	31.8%	9.3%
1-02-04.1	LKD	33.4	315	High	80.4%	71.2%	61.3%	High	86.5%	71.1%	57.9%
1-02-04.2	Bed	6.5	41	High	80.0%	70.2%	60.1%	High	86.5%	71.3%	58.4%
1-02-04.3	Bed	8.8	72	High	75.6%	64.7%	53.9%	High	85.5%	67.4%	54.3%
1-02-05.1	LKD	28.6	252	High	83.4%	77.1%	68.4%	High	88.7%	77.7%	66.7%
1-02-05.2	Bed	6.9	54	High	78.3%	66.4%	52.0%	High	86.9%	68.7%	51.3%
1-02-05.3	Bed	13.1	104	Medium	70.3%	54.0%	37.4%	Medium	83.3%	60.3%	40.1%
1-02-06.1	LKD	22.5	190	Minimum	66.6%	49.2%	30.1%	Minimum	78.5%	46.8%	21.1%
1-02-06.2	Bed	12.1	104	Medium	70.9%	55.2%	38.1%	Medium	82.8%	58.8%	38.4%
1-02-07.1	LKD	22.4	189	Minimum	66.6%	49.5%	30.2%	Minimum	78.0%	45.4%	19.2%
1-02-07.2	Bed	12.0	104	Medium	70.8%	54.0%	36.3%	Medium	82.6%	57.9%	36.4%
1-02-08.1	LKD	28.9	252	High	83.4%	75.9%	64.9%	High	88.8%	76.7%	62.3%
1-02-08.2	Bed	6.9	54	High	79.1%	67.8%	53.9%	High	87.3%	71.3%	54.9%
1-02-08.3	Bed	13.1	104	Medium	69.8%	52.9%	35.0%	Medium	83.4%	60.5%	38.4%
1-03-01.1	LKD	33.9	329	High	80.3%	70.5%	59.0%	High	87.9%	73.8%	59.0%
1-03-01.2	Bed	6.7	47	High	78.7%	67.1%	51.8%	High	87.0%	68.7%	50.3%
1-03-01.3	Bed	9.1	72	Medium	76.1%	59.3%	43.2%	Medium	86.7%	68.2%	49.4%
1-03-02.1	LKD	22.5	189	Minimum	53.0%	30.7%	11.5%	Minimum	61.5%	14.2%	4.4%
1-03-02.2	Bed	12.1	104	Minimum	62.0%	43.5%	24.2%	Minimum	75.0%	38.4%	13.9%
1-03-03.1	LKD	22.5	189	Minimum	52.8%	32.3%	12.9%	Minimum	60.8%	14.8%	4.7%
1-03-03.2	Bed	12.1	104	Minimum	62.8%	45.3%	26.8%	Minimum	75.6%	41.3%	17.0%
1-03-04.1	LKD	33.4	315	High	81.3%	73.8%	63.4%	High	87.4%	74.5%	61.2%
1-03-04.2	Bed	6.5	41	High	80.7%	72.0%	61.8%	High	86.6%	72.3%	59.9%
1-03-04.3	Bed	8.8	72	High	76.5%	66.1%	55.0%	High	85.8%	68.4%	55.7%
1-03-05.1	LKD	28.6	252	High	83.9%	77.9%	69.8%	High	89.1%	78.6%	68.0%
1-03-05.2	Bed	6.9	54	High	78.8%	67.6%	54.1%	High	87.1%	69.8%	53.1%
1-03-05.3	Bed	13.1	104	Medium	71.7%	55.6%	38.7%	Medium	84.3%	62.2%	42.4%
1-03-06.1	LKD	22.5	190	Minimum	66.3%	49.5%	30.5%	Minimum	78.5%	47.1%	21.1%
1-03-06.2	Bed	12.1	104	Medium	71.5%	56.0%	38.8%	Medium	83.2%	60.3%	39.9%
1-03-07.1	LKD	22.4	189	Medium	67.1%	50.3%	30.8%	Minimum	78.1%	46.1%	19.8%
1-03-07.2	Bed	12.0	104	Medium	71.0%	54.9%	37.7%	Medium	82.8%	58.9%	37.9%
1-03-08.1	LKD	28.9	252	High	83.4%	76.0%	65.1%	High	88.8%	76.8%	62.9%
1-03-08.2	Bed	6.9	54	High	79.8%	68.9%	55.9%	High	87.0%	69.6%	52.8%
1-03-08.3	Bed	13.1	104	Medium	70.3%	54.0%	36.4%	Medium	83.4%	61.1%	39.9%
1-04-01.1	LKD	33.9	329	High	82.0%	72.9%	62.0%	High	88.5%	76.0%	62.2%
1-04-01.2	Bed	6.7	47	High	78.7%	67.1%	52.0%	High	87.2%	69.7%	51.8%
1-04-01.3	Bed	9.1	72	Medium	76.3%	60.2%	43.7%	Medium	86.8%	68.4%	49.7%
1-04-02.1	LKD	22.5	189	Minimum	62.3%	43.8%	22.4%	Minimum	70.4%	29.3%	9.5%
1-04-02.2	Bed	12.1	104	Minimum	66.8%	49.7%	30.5%	Minimum	78.7%	48.1%	21.0%
1-04-03.1	LKD	22.5	189	Minimum	61.8%	43.9%	23.6%	Minimum	70.3%	31.0%	9.3%
1-04-03.2	Bed	12.1	104	Medium	68.0%	52.0%	35.9%	Medium	79.8%	51.4%	27.4%
1-04-04.1	LKD	33.4	315	High	82.2%	75.5%	66.2%	High	88.2%	76.7%	64.8%
1-04-04.2	Bed	6.5	41	High	81.3%	72.6%	62.3%	High	87.0%	74.0%	61.6%
1-04-04.3	Bed	8.8	72	High	77.5%	67.0%	55.7%	High	86.4%	70.7%	57.4%

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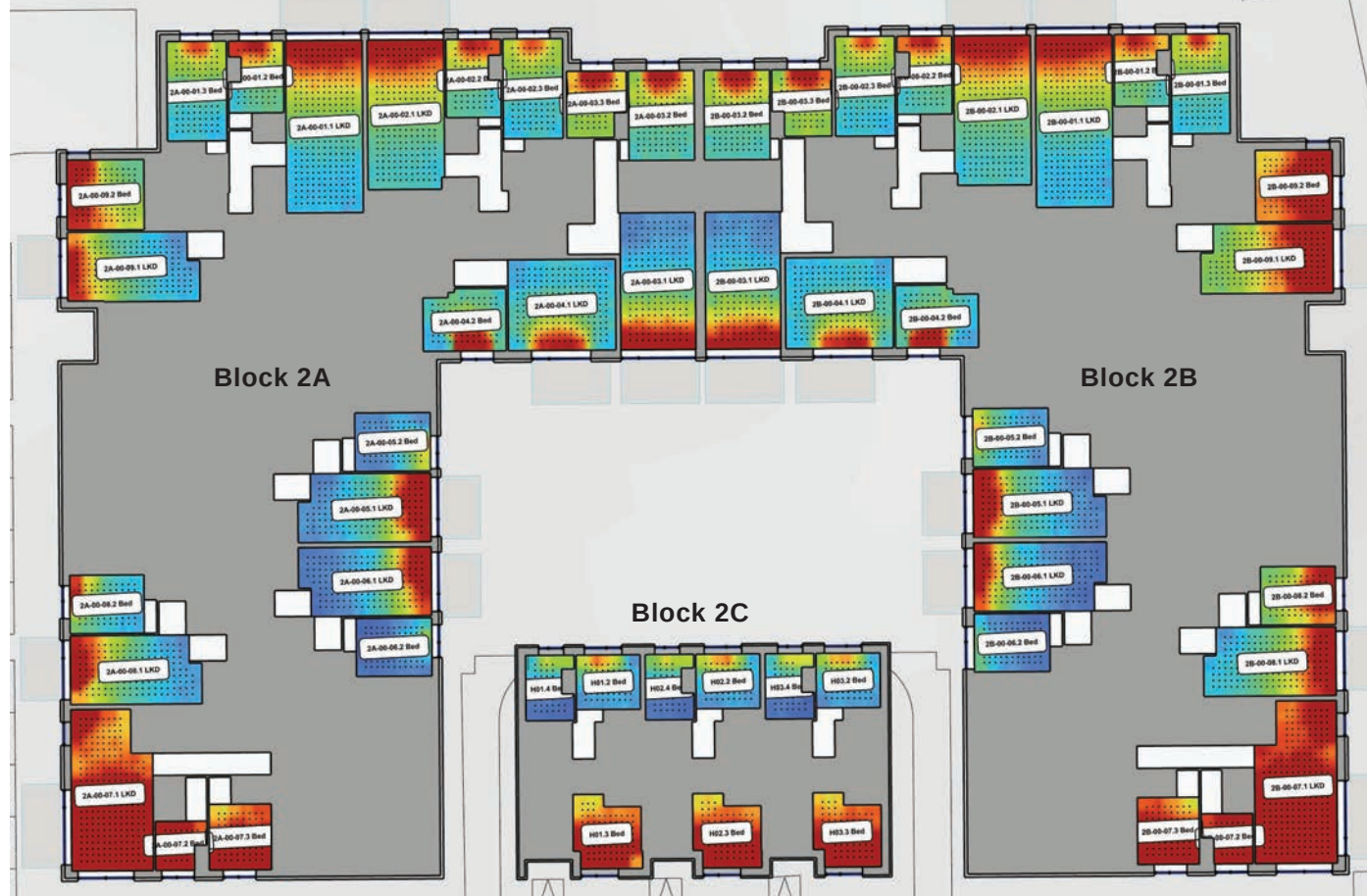
Space ID	Description	Area m2	Sensor Count	Target Illuminance	300lux_50	500lux_50	750lux_50	Minimum Target Illuminance	100lux_95	300lux_95	500lux_95
1-04-05.1	LKD	28.6	252	High	84.1%	78.3%	70.3%	High	89.3%	79.4%	69.4%
1-04-05.2	Bed	6.9	54	High	78.8%	67.6%	54.0%	High	87.2%	70.5%	54.2%
1-04-05.3	Bed	13.1	104	Medium	72.3%	56.9%	40.6%	Medium	84.2%	62.6%	43.4%
1-04-06.1	LKD	22.5	190	Medium	67.0%	50.9%	31.2%	Minimum	78.7%	47.7%	22.1%
1-04-06.2	Bed	12.1	104	Medium	71.5%	56.4%	39.7%	Medium	83.2%	60.9%	40.7%
1-04-07.1	LKD	22.4	189	Medium	66.6%	50.0%	30.2%	Minimum	78.6%	47.1%	21.4%
1-04-07.2	Bed	12.0	104	Medium	70.9%	55.3%	38.5%	Medium	82.9%	60.3%	39.4%
1-04-08.1	LKD	28.9	252	High	83.7%	76.2%	65.4%	High	88.9%	77.0%	63.5%
1-04-08.2	Bed	6.9	54	High	79.1%	68.0%	55.1%	High	87.3%	71.4%	55.6%
1-04-08.3	Bed	13.1	104	Medium	70.5%	54.6%	37.1%	Medium	83.4%	61.1%	40.3%
1-05-01.1	LKD	33.9	329	High	82.6%	74.9%	63.9%	High	89.0%	77.2%	64.2%
1-05-01.2	Bed	6.7	47	High	78.2%	66.4%	51.0%	High	87.2%	70.0%	52.1%
1-05-01.3	Bed	9.1	72	Medium	76.4%	60.3%	44.4%	High	86.8%	68.6%	50.3%
1-05-02.1	LKD	22.5	189	Medium	66.8%	50.6%	30.0%	Minimum	77.9%	45.2%	17.3%
1-05-02.2	Bed	12.1	104	Medium	69.7%	54.5%	37.6%	Medium	82.3%	57.7%	35.3%
1-05-03.1	LKD	22.5	189	Medium	66.5%	50.4%	31.0%	Minimum	77.7%	45.1%	17.7%
1-05-03.2	Bed	12.1	104	Medium	70.4%	55.8%	40.0%	Medium	82.4%	57.9%	37.1%
1-05-04.1	LKD	33.4	315	High	83.4%	76.8%	68.0%	High	88.9%	78.2%	67.7%
1-05-04.2	Bed	6.5	41	High	81.6%	73.5%	63.9%	High	87.2%	74.5%	62.4%
1-05-04.3	Bed	8.8	72	High	78.3%	67.9%	57.8%	High	86.6%	72.7%	59.2%
1-05-05.1	LKD	28.6	252	High	84.7%	79.1%	71.9%	High	89.6%	80.3%	70.6%
1-05-05.2	Bed	6.9	54	High	79.2%	68.2%	55.1%	High	86.9%	69.5%	53.3%
1-05-05.3	Bed	13.1	104	Medium	71.9%	56.7%	40.2%	Medium	84.2%	62.4%	43.1%
1-05-06.1	LKD	22.5	190	Medium	67.7%	52.1%	32.7%	Minimum	78.7%	48.4%	22.7%
1-05-06.2	Bed	12.1	104	Medium	72.6%	57.5%	42.0%	Medium	83.2%	60.6%	40.9%
1-05-07.1	LKD	22.4	189	Medium	67.1%	51.2%	31.0%	Minimum	78.8%	48.4%	22.1%
1-05-07.2	Bed	12.0	104	Medium	71.9%	56.5%	39.2%	Medium	83.2%	60.7%	40.3%
1-05-08.1	LKD	28.9	252	High	83.6%	76.1%	65.3%	High	89.0%	77.1%	63.6%
1-05-08.2	Bed	6.9	54	High	78.6%	67.4%	54.2%	High	87.2%	70.9%	55.7%
1-05-08.3	Bed	13.1	104	Medium	71.1%	55.3%	37.6%	Medium	83.5%	61.3%	41.1%
1-06-01.1	LKD	33.9	329	High	82.8%	75.3%	64.6%	High	89.0%	77.6%	65.0%
1-06-01.2	Bed	6.7	47	High	79.4%	68.5%	53.6%	High	87.6%	71.0%	53.1%
1-06-01.3	Bed	9.1	72	Medium	76.6%	61.1%	45.3%	High	87.0%	68.9%	50.7%
1-06-02.1	LKD	22.5	189	Medium	68.3%	53.1%	33.9%	Medium	79.1%	50.2%	22.9%
1-06-02.2	Bed	12.1	104	Medium	71.4%	56.5%	40.8%	Medium	83.1%	60.7%	40.4%
1-06-03.1	LKD	22.5	189	Medium	68.0%	53.3%	35.2%	Minimum	78.7%	49.3%	22.1%
1-06-03.2	Bed	12.1	104	Medium	71.1%	56.7%	42.4%	Medium	83.3%	61.6%	42.8%
1-06-04.1	LKD	33.4	315	High	83.7%	77.2%	68.6%	High	89.2%	78.7%	68.7%
1-06-04.2	Bed	6.5	41	High	81.5%	73.4%	63.7%	High	87.9%	75.9%	64.5%
1-06-04.3	Bed	8.8	72	High	78.7%	68.4%	58.3%	High	86.7%	73.0%	59.6%
1-06-05.1	LKD	28.6	252	High	84.8%	79.2%	72.1%	High	89.7%	80.5%	71.2%
1-06-05.2	Bed	6.9	54	High	79.0%	67.8%	54.9%	High	87.2%	71.1%	55.6%
1-06-05.3	Bed	13.1	104	Medium	71.7%	56.6%	40.4%	Medium	84.4%	63.3%	43.7%
1-06-06.1	LKD	22.5	190	Medium	67.9%	52.3%	33.3%	Minimum	78.7%	48.7%	22.9%
1-06-06.2	Bed	12.1	104	Medium	71.9%	57.1%	41.0%	Medium	83.5%	61.5%	41.6%
1-06-07.1	LKD	22.4	189	Medium	67.5%	51.7%	31.6%	Minimum	78.8%	48.7%	22.9%
1-06-07.2	Bed	12.0	104	Medium	71.1%	56.0%	39.1%	Medium	83.0%	60.5%	40.2%
1-06-08.1	LKD	28.9	252	High	83.7%	76.1%	65.5%	High	88.9%	77.0%	63.3%
1-06-08.2	Bed	6.9	54	High	79.7%	69.1%	56.4%	High	87.0%	70.0%	54.6%
1-06-08.3	Bed	13.1	104	Medium	71.4%	56.1%	39.1%	Medium	84.1%	62.2%	42.2%

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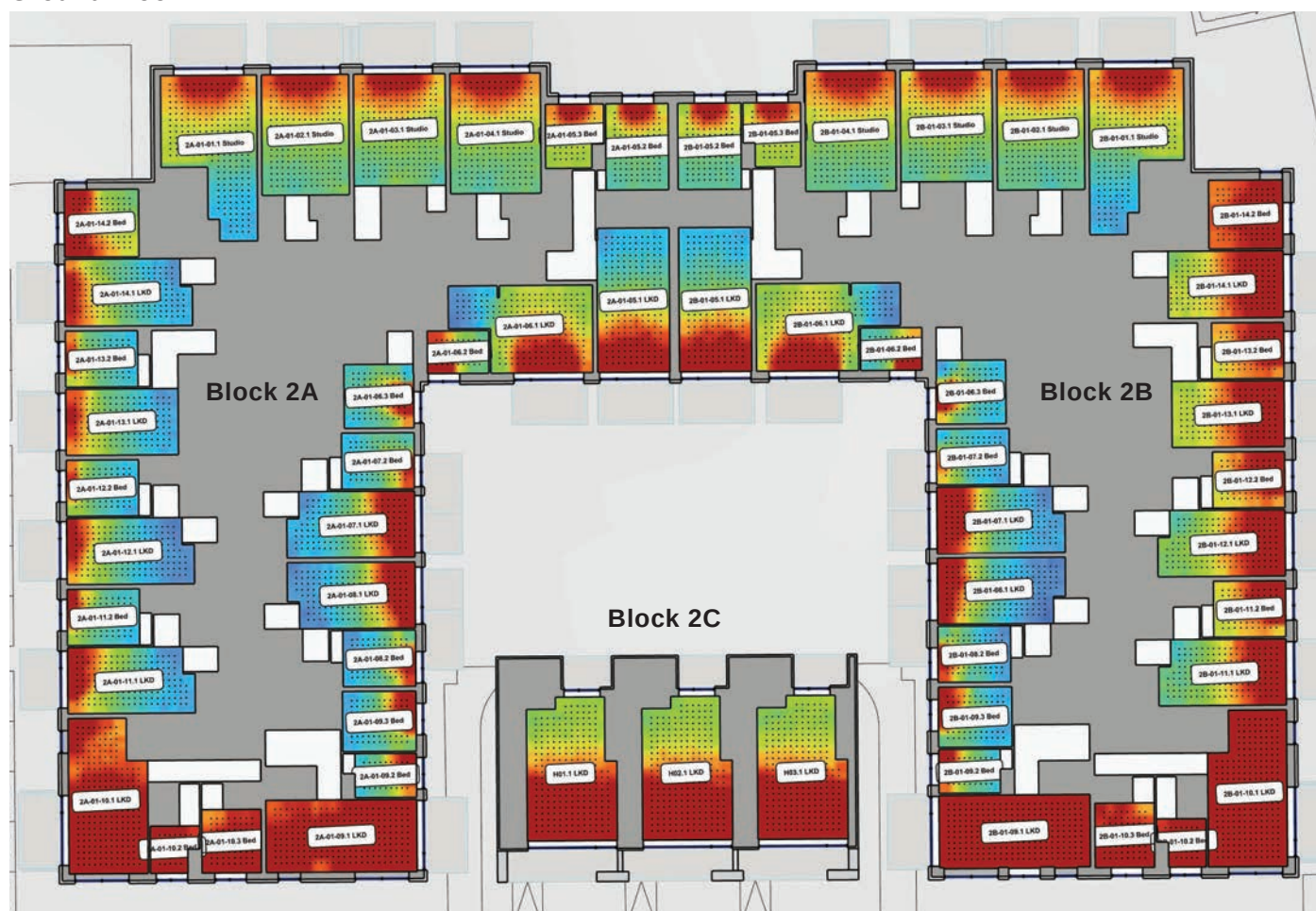
Space ID	Description	Area m2	Sensor Count	Target Illuminance	300lux_50	500lux_50	750lux_50	Minimum Target Illuminance	100lux_95	300lux_95	500lux_95
1-07-01.1	LKD	33.9	329	High	83.2%	76.2%	65.4%	High	89.2%	77.9%	65.5%
1-07-01.2	Bed	6.7	47	High	78.6%	67.1%	52.1%	High	87.3%	70.3%	52.6%
1-07-01.3	Bed	9.1	72	Medium	76.1%	60.1%	43.5%	Medium	86.7%	68.2%	49.9%
1-07-02.1	LKD	22.5	189	Medium	68.9%	54.4%	38.0%	Medium	79.8%	52.5%	27.7%
1-07-02.2	Bed	12.1	104	Medium	72.0%	58.3%	43.2%	Medium	83.8%	62.8%	44.5%
1-07-03.1	LKD	22.5	189	Medium	68.8%	54.4%	38.1%	Medium	79.7%	52.4%	27.5%
1-07-03.2	Bed	12.1	104	Medium	72.5%	59.3%	44.9%	Medium	84.0%	62.9%	44.5%
1-07-04.1	LKD	33.4	315	High	83.7%	77.3%	68.7%	High	89.5%	79.0%	69.1%
1-07-04.2	Bed	6.5	41	High	82.2%	74.3%	65.1%	High	87.7%	75.6%	64.3%
1-07-04.3	Bed	8.8	72	High	78.4%	68.1%	58.0%	High	86.8%	73.0%	59.8%
1-07-05.1	LKD	28.6	252	High	84.8%	79.2%	72.1%	High	89.6%	80.3%	70.7%
1-07-05.2	Bed	6.9	54	High	79.2%	68.3%	55.4%	High	87.3%	70.9%	55.3%
1-07-05.3	Bed	13.1	104	Medium	72.1%	57.1%	41.1%	Medium	84.5%	63.3%	44.3%
1-07-06.1	LKD	22.5	190	Medium	68.1%	52.8%	34.4%	Minimum	78.7%	48.7%	23.8%
1-07-06.2	Bed	12.1	104	Medium	72.1%	57.5%	41.4%	Medium	83.9%	62.1%	42.6%
1-07-07.1	LKD	22.4	189	Medium	67.9%	52.4%	33.5%	Minimum	78.9%	48.7%	23.7%
1-07-07.2	Bed	12.0	104	Medium	71.8%	56.6%	40.1%	Medium	83.2%	61.1%	41.0%
1-07-08.1	LKD	28.9	252	High	83.7%	76.2%	65.5%	High	88.9%	77.3%	63.9%
1-07-08.2	Bed	6.9	54	High	80.1%	69.9%	57.5%	High	87.1%	70.8%	55.6%
1-07-08.3	Bed	13.1	104	Medium	71.9%	56.5%	39.7%	Medium	84.1%	62.2%	42.6%
1-08-01.1	LKD	33.9	329	High	85.1%	78.5%	69.2%	High	90.2%	79.6%	68.9%
1-08-01.2	Bed	6.7	47	High	78.7%	67.4%	52.5%	High	87.3%	70.1%	52.6%
1-08-01.3	Bed	9.1	72	Medium	76.0%	60.3%	44.0%	High	86.9%	68.6%	50.4%
1-08-02.1	LKD	22.5	189	Medium	75.5%	62.1%	48.5%	Medium	82.1%	56.9%	35.7%
1-08-02.2	Bed	12.1	104	Medium	74.5%	61.1%	47.1%	Medium	84.7%	65.1%	48.2%
1-08-03.1	LKD	22.5	189	Medium	75.5%	61.9%	48.4%	Medium	82.1%	57.4%	36.4%
1-08-03.2	Bed	12.1	104	Medium	74.1%	60.6%	47.0%	Medium	84.3%	64.2%	47.1%
1-08-04.1	LKD	33.4	315	High	85.0%	79.4%	72.5%	High	90.4%	80.5%	71.6%
1-08-04.2	Bed	6.5	41	High	81.8%	73.8%	64.2%	High	87.7%	75.3%	64.2%
1-08-04.3	Bed	8.8	72	High	79.1%	68.6%	58.8%	High	86.7%	73.3%	60.4%
1-08-05.1	LKD	28.6	252	High	85.9%	80.6%	74.2%	High	90.1%	81.0%	72.6%
1-08-05.2	Bed	6.9	54	High	79.6%	69.0%	56.5%	High	87.4%	71.8%	56.8%
1-08-05.3	Bed	13.1	104	Medium	72.2%	57.4%	41.7%	Medium	84.3%	63.1%	44.0%
1-08-06.1	LKD	22.5	190	Medium	73.7%	59.4%	44.2%	Medium	81.3%	55.2%	31.9%
1-08-06.2	Bed	12.1	104	Medium	73.0%	58.2%	42.6%	Medium	84.2%	62.9%	43.9%
1-08-07.1	LKD	22.4	189	Medium	73.8%	59.5%	44.2%	Medium	80.9%	54.1%	30.8%
1-08-07.2	Bed	12.0	104	Medium	73.1%	58.6%	43.3%	Medium	84.4%	63.0%	43.8%
1-08-08.1	LKD	28.9	252	High	84.9%	77.7%	68.1%	High	89.5%	78.3%	66.3%
1-08-08.2	Bed	6.9	54	High	80.1%	69.7%	57.5%	High	87.6%	72.7%	57.6%
1-08-08.3	Bed	13.1	104	Medium	72.4%	57.5%	41.6%	Medium	84.4%	63.1%	43.9%

Table 25: Daylight provision individual values for all habitable rooms to IS EN 17037:2018+A1:2021

Block 2



Ground Floor



First Floor

Figure 43: Block 2 - Daylight Provision and Annual Average Illuminance to all Habitable Rooms

Block 2C - IS EN 17037:2018+A1:2021 Daylight Provision Room Schedule

Space ID	Description	Area m2	Sensor Count	Target Illuminance	300lux_50	500lux_50	750lux_50	Minimum Target Illuminance	100lux_95	300lux_95	500lux_95
H01.1	LKD	29.4	254	Medium	69.0%	56.2%	43.8%	Medium	78.6%	52.3%	36.6%
H01.2	Bed	8.0	63	Fail	33.3%	9.3%	5.0%	Minimum	56.4%	14.5%	0.7%
H01.3	Bed	10.4	83	Medium	72.4%	59.5%	48.9%	Medium	82.1%	60.3%	45.9%
H01.4	Bed	6.6	40	Fail	14.7%	4.4%	0.4%	Fail	30.7%	0.6%	0.0%
H02.1	LKD	29.4	254	Medium	68.2%	55.4%	43.4%	Medium	78.2%	51.6%	35.7%
H02.2	Bed	8.0	63	Fail	34.5%	9.7%	4.9%	Minimum	56.8%	14.3%	0.4%
H02.3	Bed	10.3	73	Medium	72.9%	59.8%	49.2%	Medium	82.3%	61.1%	46.5%
H02.4	Bed	6.6	40	Fail	12.6%	4.3%	0.2%	Fail	33.7%	0.2%	0.0%
H03.1	LKD	29.4	254	Medium	68.4%	55.5%	43.3%	Medium	78.3%	51.9%	36.3%
H03.2	Bed	8.0	63	Fail	32.3%	8.9%	3.8%	Minimum	57.5%	15.6%	0.8%
H03.3	Bed	10.2	72	High	73.8%	60.9%	50.1%	Medium	82.6%	61.8%	46.8%
H03.4	Bed	6.6	40	Fail	14.0%	4.6%	0.3%	Fail	29.4%	0.0%	0.0%

Table 26: Daylight provision individual values for all habitable rooms to IS EN 17037:2018+A1:2021

Block 2

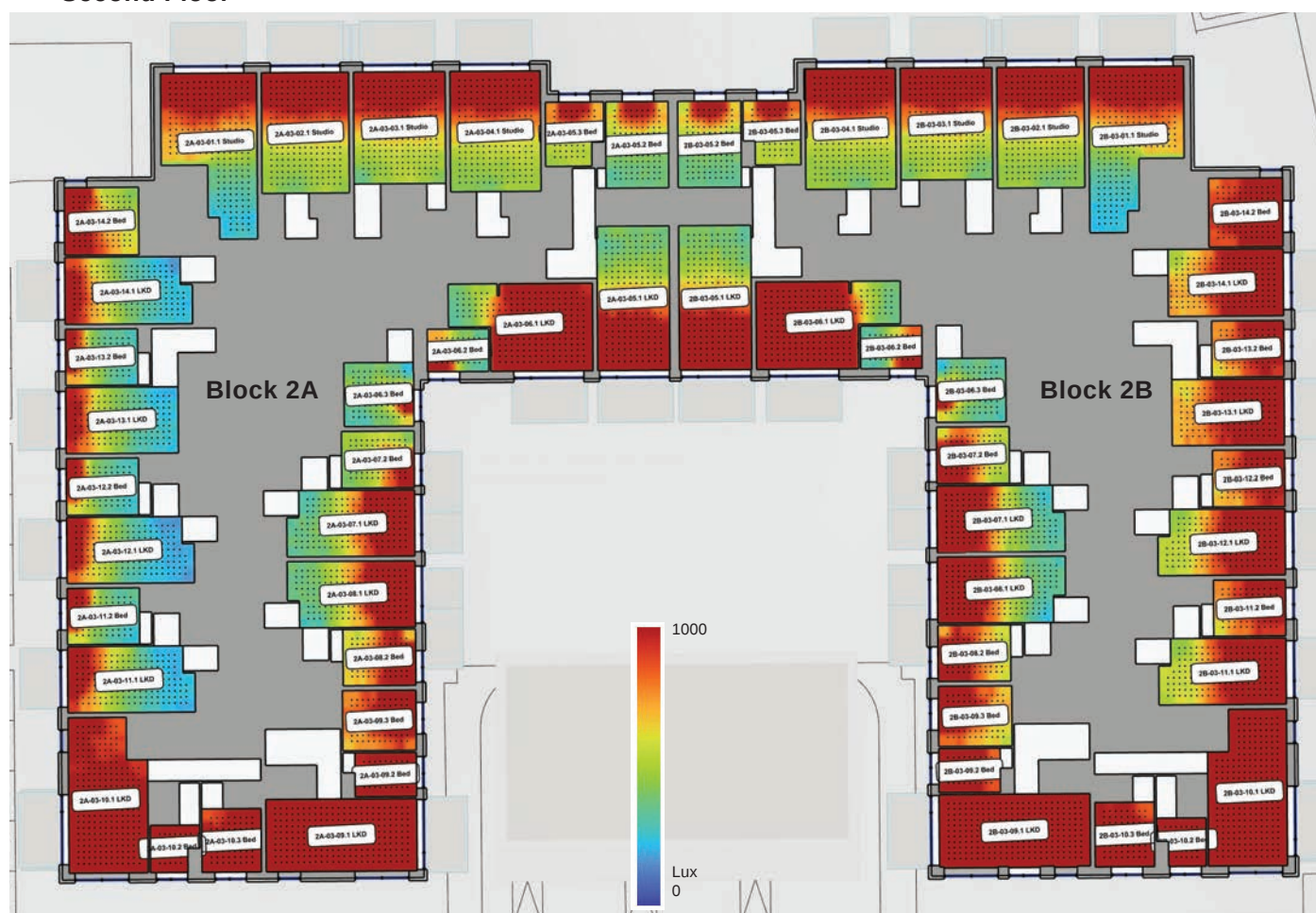
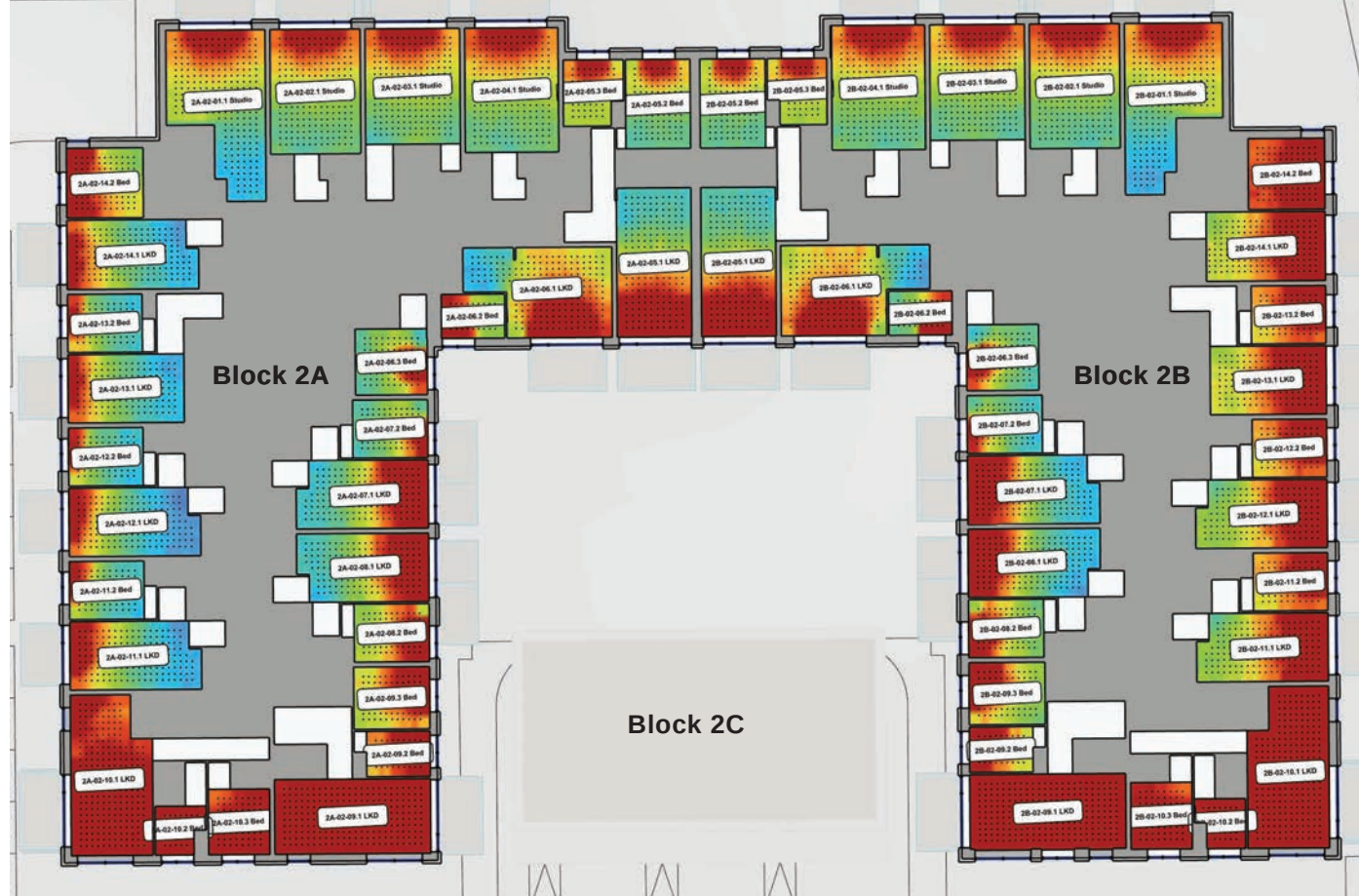
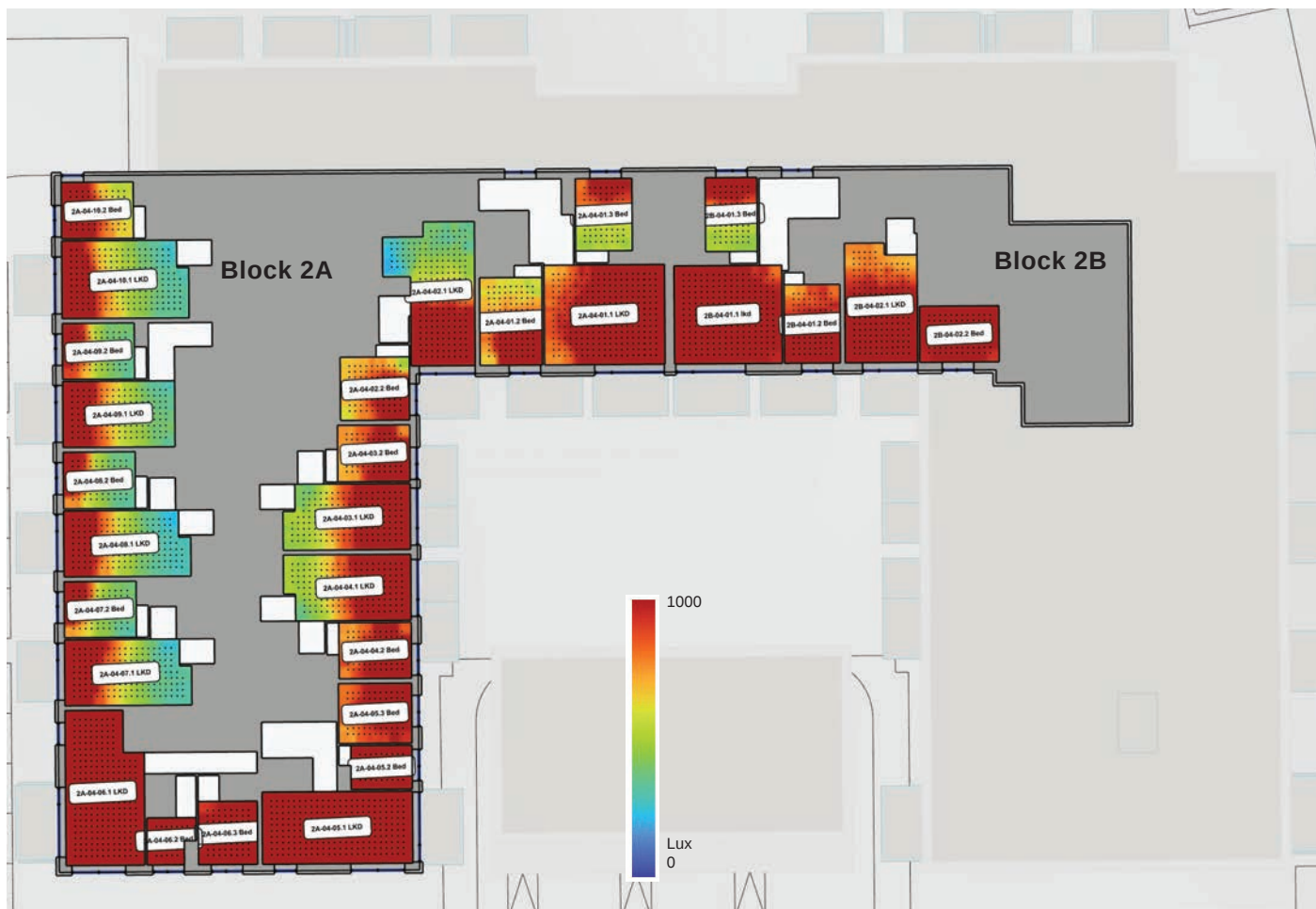


Figure 44: Block 2 - Daylight Provision and Annual Average Illuminance to all Habitable Rooms



Fourth Floor

Figure 45: Block 2 - Daylight Provision and Annual Average Illuminance to all Habitable Rooms

Block 2A - IS EN 17037:2018+A1:2021 Daylight Provision Room Schedule

Space ID	Description	Area m2	Sensor Count	Target Illuminance	300lux_50	500lux_50	750lux_50	Minimum Target Illuminance	100lux_95	300lux_95	500lux_95
2A-00-01.1	LKD	30.4	286	Minimum	57.8%	34.1%	2.2%	Minimum	73.4%	26.2%	0.0%
2A-00-01.2	Bed	8.4	58	Minimum	66.5%	46.2%	14.2%	Minimum	77.9%	41.7%	3.7%
2A-00-01.3	Bed	13.7	112	Minimum	54.5%	26.8%	0.2%	Minimum	76.3%	35.1%	0.3%
2A-00-02.1	LKD	26.3	242	Minimum	65.9%	45.5%	13.7%	Minimum	78.2%	42.7%	4.4%
2A-00-02.2	Bed	9.2	65	Minimum	61.9%	39.9%	5.7%	Minimum	78.7%	43.2%	4.6%
2A-00-02.3	Bed	13.7	112	Minimum	54.5%	26.2%	0.2%	Minimum	76.6%	34.8%	0.5%
2A-00-03.1	LKD	23.7	200	Fail	33.3%	17.8%	6.8%	Fail	44.2%	8.7%	4.1%
2A-00-03.2	Bed	13.5	117	Minimum	62.6%	39.4%	6.0%	Minimum	80.3%	48.2%	10.2%
2A-00-03.3	Bed	8.5	64	Medium	74.5%	57.0%	36.2%	Medium	86.3%	65.3%	43.7%
2A-00-04.1	LKD	22.5	208	Fail	32.7%	15.3%	7.9%	Minimum	55.0%	21.3%	6.9%
2A-00-04.2	Bed	11.4	91	Fail	39.2%	25.4%	13.2%	Minimum	51.0%	19.5%	7.9%
2A-00-05.1	LKD	20.3	171	Fail	34.6%	16.0%	7.5%	Fail	45.5%	9.5%	4.3%
2A-00-05.2	Bed	10.2	88	Fail	16.9%	6.4%	3.5%	Fail	43.5%	6.2%	2.9%
2A-00-06.1	LKD	20.3	171	Fail	27.6%	7.1%	2.6%	Fail	41.9%	3.1%	1.6%
2A-00-06.2	Bed	10.2	88	Fail	5.9%	1.8%	0.0%	Fail	28.4%	0.9%	0.0%
2A-00-07.1	LKD	28.2	260	High	78.6%	67.8%	58.7%	High	85.0%	65.7%	52.1%
2A-00-07.2	Bed	5.1	34	High	80.8%	72.6%	62.2%	High	84.6%	66.0%	52.9%
2A-00-07.3	Bed	9.4	72	High	74.1%	61.7%	50.7%	Medium	82.8%	62.1%	47.8%
2A-00-08.1	LKD	20.0	162	Fail	44.3%	22.0%	5.3%	Minimum	58.7%	11.4%	3.0%
2A-00-08.2	Bed	10.0	80	Fail	42.6%	17.0%	4.6%	Minimum	63.2%	19.4%	2.8%
2A-00-09.1	LKD	20.3	190	Fail	49.1%	21.7%	3.2%	Minimum	65.3%	14.2%	0.5%
2A-00-09.2	Bed	12.5	110	Medium	73.3%	57.0%	40.0%	Medium	82.1%	55.4%	32.0%
2A-01-01.1	Studio	30.4	254	Medium	70.2%	52.7%	31.8%	Minimum	74.0%	30.4%	0.1%
2A-01-02.1	Studio	26.1	234	Medium	68.7%	50.5%	27.2%	Medium	81.8%	54.1%	26.3%
2A-01-03.1	Studio	25.5	238	Medium	69.9%	52.0%	29.6%	Medium	82.3%	55.3%	28.6%
2A-01-04.1	Studio	27.0	234	Medium	69.5%	51.6%	28.9%	Medium	82.1%	54.7%	27.5%
2A-01-05.1	LKD	25.9	220	Fail	49.9%	32.9%	19.8%	Minimum	58.9%	22.9%	6.7%
2A-01-05.2	Bed	13.4	117	Minimum	65.3%	44.7%	14.9%	Medium	81.9%	52.7%	21.9%
2A-01-05.3	Bed	8.6	64	Medium	74.7%	57.7%	39.1%	Medium	86.9%	67.9%	48.9%
2A-01-06.1	LKD	26.6	225	Minimum	54.8%	37.2%	25.9%	Minimum	50.9%	14.3%	5.8%
2A-01-06.2	Bed	6.5	54	Fail	49.9%	33.2%	22.0%	Minimum	69.2%	34.9%	21.3%
2A-01-06.3	Bed	11.0	90	Fail	42.2%	23.3%	11.5%	Minimum	62.5%	24.8%	10.2%
2A-01-07.1	LKD	20.2	171	Fail	49.9%	28.6%	13.1%	Minimum	57.5%	16.4%	5.6%
2A-01-07.2	Bed	10.2	88	Fail	41.1%	20.4%	8.0%	Minimum	60.7%	22.2%	6.8%
2A-01-08.1	LKD	20.2	171	Fail	47.0%	24.3%	7.9%	Minimum	53.7%	7.5%	3.0%
2A-01-08.2	Bed	10.2	88	Fail	36.8%	17.5%	8.4%	Minimum	53.5%	14.6%	5.3%
2A-01-09.1	LKD	27.1	240	High	79.5%	69.7%	60.2%	High	86.2%	70.1%	57.5%
2A-01-09.2	Bed	6.7	54	Minimum	52.1%	33.0%	16.2%	Minimum	66.2%	25.5%	6.7%
2A-01-09.3	Bed	11.0	88	Fail	42.2%	22.5%	9.2%	Minimum	58.3%	17.8%	5.4%
2A-01-10.1	LKD	28.4	260	High	80.2%	70.5%	61.2%	High	86.2%	69.0%	56.2%
2A-01-10.2	Bed	5.1	34	High	81.9%	74.0%	64.2%	High	86.3%	70.7%	57.8%
2A-01-10.3	Bed	9.4	72	High	75.5%	64.3%	53.5%	High	84.7%	66.0%	52.5%
2A-01-11.1	LKD	20.1	171	Fail	47.4%	25.9%	7.1%	Minimum	60.3%	13.9%	2.5%
2A-01-11.2	Bed	10.1	80	Fail	47.7%	26.9%	8.9%	Minimum	68.1%	30.0%	5.9%
2A-01-12.1	LKD	20.1	171	Fail	42.9%	18.4%	4.2%	Minimum	55.6%	6.1%	0.4%
2A-01-12.2	Bed	10.1	80	Fail	45.5%	22.1%	5.6%	Minimum	67.0%	24.3%	1.5%
2A-01-13.1	LKD	18.5	153	Fail	49.8%	25.1%	5.7%	Minimum	64.6%	19.2%	1.3%
2A-01-13.2	Bed	10.1	80	Minimum	51.4%	26.3%	5.4%	Minimum	72.0%	31.3%	2.4%
2A-01-14.1	LKD	20.4	190	Minimum	53.0%	28.6%	4.9%	Minimum	67.8%	20.4%	0.9%
2A-01-14.2	Bed	12.5	110	Medium	75.0%	59.4%	43.9%	Medium	83.9%	58.7%	38.7%

Block 2A - IS EN 17037:2018+A1:2021 Daylight Provision Room Schedule

Space ID	Description	Area m2	Sensor Count	Target Illuminance	300lux_50	500lux_50	750lux_50	Minimum Target Illuminance	100lux_95	300lux_95	500lux_95
2A-02-01.1	Studio	30.4	254	Medium	70.9%	53.8%	34.5%	Minimum	73.8%	31.7%	0.3%
2A-02-02.1	Studio	26.1	234	Medium	69.2%	51.7%	30.0%	Medium	82.2%	55.1%	29.3%
2A-02-03.1	Studio	25.5	238	Medium	70.0%	52.4%	31.6%	Medium	82.6%	56.2%	32.1%
2A-02-04.1	Studio	27.0	234	Medium	70.0%	52.5%	31.8%	Medium	82.2%	55.1%	29.1%
2A-02-05.1	LKD	25.9	220	Minimum	57.8%	41.1%	28.9%	Minimum	68.7%	34.5%	13.5%
2A-02-05.2	Bed	13.4	117	Minimum	66.6%	46.9%	20.3%	Medium	82.1%	53.5%	25.4%
2A-02-05.3	Bed	8.6	64	Medium	75.7%	59.1%	41.3%	Medium	86.8%	68.1%	49.3%
2A-02-06.1	LKD	26.6	225	Minimum	62.9%	46.3%	34.6%	Minimum	61.7%	25.6%	9.1%
2A-02-06.2	Bed	6.5	54	Minimum	58.4%	40.2%	28.7%	Minimum	75.3%	41.2%	26.0%
2A-02-06.3	Bed	11.0	90	Minimum	53.8%	34.0%	18.9%	Minimum	70.8%	36.7%	18.0%
2A-02-07.1	LKD	20.2	171	Minimum	59.1%	42.1%	24.8%	Minimum	67.8%	29.9%	10.4%
2A-02-07.2	Bed	10.2	88	Minimum	53.6%	33.1%	15.8%	Minimum	72.6%	38.0%	16.5%
2A-02-08.1	LKD	20.2	171	Minimum	63.3%	46.3%	27.3%	Minimum	69.9%	32.3%	8.9%
2A-02-08.2	Bed	10.2	88	Minimum	64.1%	48.2%	29.9%	Medium	79.8%	53.0%	30.3%
2A-02-09.1	LKD	27.1	240	High	82.2%	76.0%	66.0%	High	88.1%	76.8%	64.8%
2A-02-09.2	Bed	6.7	54	High	77.2%	64.7%	50.5%	High	85.5%	67.5%	51.1%
2A-02-09.3	Bed	11.0	88	Medium	69.2%	53.6%	36.4%	Medium	81.8%	57.5%	35.9%
2A-02-10.1	LKD	28.4	260	High	80.8%	72.1%	62.8%	High	86.6%	71.3%	58.9%
2A-02-10.2	Bed	5.1	34	High	82.5%	74.9%	65.6%	High	86.4%	70.9%	58.4%
2A-02-10.3	Bed	9.4	72	High	77.1%	66.4%	55.4%	High	86.1%	69.1%	55.3%
2A-02-11.1	LKD	20.1	171	Minimum	51.7%	32.6%	9.6%	Minimum	63.5%	22.3%	2.8%
2A-02-11.2	Bed	10.1	80	Minimum	51.1%	31.8%	10.3%	Minimum	70.5%	34.1%	6.6%
2A-02-12.1	LKD	20.1	171	Fail	46.4%	23.7%	6.6%	Minimum	58.7%	8.1%	0.2%
2A-02-12.2	Bed	10.1	80	Fail	49.2%	28.7%	8.3%	Minimum	69.5%	29.7%	4.8%
2A-02-13.1	LKD	18.5	153	Minimum	53.4%	30.4%	8.5%	Minimum	68.3%	25.7%	2.8%
2A-02-13.2	Bed	10.1	80	Minimum	54.7%	31.1%	8.1%	Minimum	74.1%	36.3%	5.2%
2A-02-14.1	LKD	20.4	190	Minimum	55.4%	32.8%	7.1%	Minimum	69.2%	25.2%	1.6%
2A-02-14.2	Bed	12.5	110	Medium	75.4%	60.0%	45.4%	Medium	84.7%	61.3%	42.1%
2A-03-01.1	Studio	30.4	254	Medium	77.3%	64.1%	48.7%	Minimum	77.6%	41.0%	4.4%
2A-03-02.1	Studio	26.1	234	Medium	77.2%	62.9%	47.3%	Medium	85.7%	63.9%	43.7%
2A-03-03.1	Studio	25.5	238	Medium	77.5%	64.2%	48.7%	Medium	86.3%	66.1%	46.5%
2A-03-04.1	Studio	27.0	234	Medium	77.1%	62.1%	46.4%	Medium	86.0%	64.8%	44.6%
2A-03-05.1	LKD	25.9	220	Medium	65.2%	50.1%	39.6%	Minimum	75.7%	45.6%	29.4%
2A-03-05.2	Bed	13.4	117	Minimum	67.7%	48.3%	24.5%	Medium	82.1%	53.7%	27.4%
2A-03-05.3	Bed	8.6	64	Medium	77.0%	61.4%	45.1%	High	86.9%	68.6%	50.4%
2A-03-06.1	LKD	26.6	225	High	76.3%	64.7%	53.0%	Minimum	75.4%	45.8%	32.0%
2A-03-06.2	Bed	6.5	54	Minimum	55.1%	37.8%	23.0%	Minimum	73.7%	39.9%	21.8%
2A-03-06.3	Bed	11.0	90	Minimum	50.2%	29.2%	14.6%	Minimum	70.6%	35.7%	15.3%
2A-03-07.1	LKD	20.2	171	Medium	67.6%	52.7%	36.3%	Minimum	75.5%	43.9%	19.1%
2A-03-07.2	Bed	10.2	88	Minimum	60.6%	44.4%	26.4%	Minimum	78.2%	49.8%	27.9%
2A-03-08.1	LKD	20.2	171	Medium	68.7%	54.4%	38.5%	Minimum	77.9%	48.1%	21.3%
2A-03-08.2	Bed	10.2	88	Medium	70.1%	55.8%	41.3%	Medium	83.5%	61.8%	43.9%
2A-03-09.1	LKD	27.1	240	High	83.6%	77.2%	69.0%	High	88.7%	78.1%	67.3%
2A-03-09.2	Bed	6.7	54	High	80.4%	70.9%	59.9%	High	88.1%	75.3%	61.6%
2A-03-09.3	Bed	11.0	88	Medium	75.9%	62.9%	49.2%	High	85.9%	68.2%	52.1%
2A-03-10.1	LKD	28.4	260	High	81.8%	73.7%	64.4%	High	87.3%	73.8%	61.6%
2A-03-10.2	Bed	5.1	34	High	83.0%	75.6%	66.9%	High	87.2%	73.9%	61.9%
2A-03-10.3	Bed	9.4	72	High	78.0%	67.4%	57.2%	High	86.3%	70.7%	57.4%
2A-03-11.1	LKD	20.1	171	Minimum	54.9%	35.6%	11.8%	Minimum	65.4%	26.4%	3.4%
2A-03-11.2	Bed	10.1	80	Minimum	55.3%	36.4%	12.3%	Minimum	74.8%	41.6%	13.2%

Block 2A - IS EN 17037:2018+A1:2021 Daylight Provision Room Schedule

Space ID	Description	Area m2	Sensor Count	Target Illuminance	300lux_50	500lux_50	750lux_50	Minimum Target Illuminance	100lux_95	300lux_95	500lux_95
2A-03-12.1	LKD	20.1	171	Minimum	51.1%	30.6%	9.5%	Minimum	62.1%	16.4%	0.8%
2A-03-12.2	Bed	10.1	80	Minimum	53.7%	33.0%	10.1%	Minimum	73.8%	38.1%	9.1%
2A-03-13.1	LKD	18.5	153	Minimum	56.0%	34.6%	10.7%	Minimum	71.0%	31.4%	5.7%
2A-03-13.2	Bed	10.1	80	Minimum	57.3%	37.7%	13.1%	Minimum	76.3%	41.4%	12.0%
2A-03-14.1	LKD	20.4	190	Minimum	57.5%	36.5%	11.5%	Minimum	70.3%	29.1%	2.4%
2A-03-14.2	Bed	12.5	110	Medium	76.1%	61.3%	47.3%	Medium	85.3%	63.5%	45.3%
2A-04-01.1	LKD	30.1	285	High	76.8%	65.9%	55.2%	High	85.3%	67.1%	53.8%
2A-04-01.2	Bed	13.7	117	Medium	66.5%	52.6%	40.7%	Medium	81.5%	58.4%	41.8%
2A-04-01.3	Bed	10.2	80	Medium	76.7%	60.3%	43.4%	Medium	86.4%	66.0%	45.7%
2A-04-02.1	LKD	25.4	219	Minimum	61.5%	44.8%	33.0%	Minimum	70.0%	36.3%	17.4%
2A-04-02.2	Bed	10.9	90	Medium	68.7%	53.9%	40.3%	Medium	83.4%	61.1%	43.9%
2A-04-03.1	LKD	20.2	171	Medium	74.5%	61.3%	47.9%	Medium	80.8%	55.5%	34.2%
2A-04-03.2	Bed	10.2	88	Medium	74.7%	61.2%	48.2%	High	84.9%	66.6%	50.4%
2A-04-04.1	LKD	20.2	171	Medium	75.3%	62.1%	49.1%	Medium	81.0%	56.0%	34.6%
2A-04-04.2	Bed	10.2	88	High	77.0%	64.2%	51.5%	High	85.9%	68.7%	52.9%
2A-04-05.1	LKD	27.1	240	High	84.9%	79.0%	71.9%	High	89.7%	79.7%	70.5%
2A-04-05.2	Bed	6.7	54	High	81.9%	73.3%	62.6%	High	89.0%	77.4%	64.9%
2A-04-05.3	Bed	11.0	88	High	77.5%	65.4%	52.8%	High	86.6%	70.8%	56.0%
2A-04-06.1	LKD	28.4	260	High	83.9%	78.0%	69.2%	High	88.7%	77.7%	66.0%
2A-04-06.2	Bed	5.1	34	High	83.4%	76.5%	68.1%	High	87.2%	74.2%	62.2%
2A-04-06.3	Bed	9.4	72	High	78.7%	68.4%	58.4%	High	86.8%	72.9%	59.4%
2A-04-07.1	LKD	20.1	171	Minimum	64.8%	49.7%	33.4%	Minimum	75.5%	43.0%	16.1%
2A-04-07.2	Bed	10.1	80	Minimum	61.8%	45.8%	26.8%	Minimum	77.9%	48.4%	24.9%
2A-04-08.1	LKD	20.1	171	Minimum	63.0%	46.4%	28.4%	Minimum	73.3%	38.7%	9.5%
2A-04-08.2	Bed	10.1	80	Minimum	59.7%	42.8%	22.2%	Minimum	77.4%	45.6%	20.5%
2A-04-09.1	LKD	18.5	153	Medium	66.8%	51.9%	34.4%	Minimum	78.9%	49.9%	26.1%
2A-04-09.2	Bed	10.1	80	Minimum	63.1%	46.3%	26.8%	Medium	78.7%	50.2%	25.3%
2A-04-10.1	LKD	23.9	211	Minimum	64.4%	47.9%	29.0%	Minimum	76.9%	44.1%	16.5%
2A-04-10.2	Bed	10.2	80	High	78.3%	67.0%	53.7%	High	86.3%	68.1%	50.5%

Table 27: Daylight provision individual values for all habitable rooms to IS EN 17037:2018+A1:2021

Block 2B - IS EN 17037:2018+A1:2021 Daylight Provision Room Schedule

Space ID	Description	Area m2	Sensor Count	Target Illuminance	300lux_50	500lux_50	750lux_50	Minimum Target Illuminance	100lux_95	300lux_95	500lux_95
2B-00-01.1	LKD	30.4	286	Minimum	58.2%	33.9%	2.3%	Minimum	74.0%	27.1%	0.0%
2B-00-01.2	Bed	8.4	58	Medium	69.4%	50.5%	23.8%	Minimum	80.2%	49.7%	11.6%
2B-00-01.3	Bed	13.4	112	Minimum	55.9%	30.0%	1.2%	Minimum	77.3%	36.9%	1.3%
2B-00-02.1	LKD	26.3	242	Minimum	65.5%	44.8%	12.5%	Minimum	78.7%	43.5%	4.0%
2B-00-02.2	Bed	9.2	65	Minimum	65.4%	44.0%	10.4%	Minimum	79.3%	45.3%	5.1%
2B-00-02.3	Bed	13.7	112	Minimum	54.9%	26.1%	0.1%	Minimum	76.5%	34.2%	0.2%
2B-00-03.1	LKD	23.7	200	Fail	33.2%	16.2%	7.8%	Fail	45.0%	11.1%	4.0%
2B-00-03.2	Bed	13.5	117	Minimum	63.2%	40.6%	6.6%	Minimum	79.9%	47.2%	9.0%
2B-00-03.3	Bed	8.5	64	Medium	72.7%	54.0%	31.7%	Medium	86.2%	65.0%	43.5%
2B-00-04.1	LKD	22.5	208	Fail	32.5%	15.7%	7.8%	Minimum	55.7%	20.6%	6.9%
2B-00-04.2	Bed	11.4	91	Fail	37.7%	24.0%	11.9%	Minimum	52.1%	18.0%	7.6%
2B-00-05.1	LKD	20.2	171	Fail	33.4%	13.2%	4.8%	Fail	45.0%	6.9%	3.3%
2B-00-05.2	Bed	10.2	88	Fail	28.4%	7.7%	5.1%	Minimum	51.6%	9.8%	4.2%
2B-00-06.1	LKD	20.2	171	Fail	25.4%	4.1%	1.8%	Fail	39.3%	1.9%	0.7%

Block 2B - IS EN 17037:2018+A1:2021 Daylight Provision Room Schedule

Space ID	Description	Area m2	Sensor Count	Target Illuminance	300lux_50	500lux_50	750lux_50	Minimum Target Illuminance	100lux_95	300lux_95	500lux_95
2B-00-06.2	Bed	10.2	88	Fail	9.3%	2.4%	0.7%	Fail	37.0%	2.4%	0.3%
2B-00-07.1	LKD	28.6	260	High	79.7%	70.1%	60.5%	High	86.6%	70.9%	57.3%
2B-00-07.2	Bed	5.2	34	High	80.2%	71.3%	61.5%	High	85.1%	67.8%	54.0%
2B-00-07.3	Bed	9.5	72	High	74.6%	62.3%	51.2%	Medium	83.0%	62.7%	49.0%
2B-00-08.1	LKD	20.1	171	Minimum	54.4%	35.2%	15.2%	Minimum	65.9%	24.5%	5.6%
2B-00-08.2	Bed	10.1	80	Minimum	66.6%	49.2%	30.7%	Minimum	79.9%	50.0%	25.6%
2B-00-09.1	LKD	20.4	190	Medium	68.4%	52.9%	34.7%	Medium	80.1%	51.5%	27.1%
2B-00-09.2	Bed	12.7	110	High	78.9%	66.8%	53.1%	High	86.6%	69.7%	52.2%
2B-01-01.1	Studio	30.1	254	Medium	71.2%	53.8%	33.7%	Minimum	72.8%	26.6%	0.0%
2B-01-02.1	Studio	26.1	234	Medium	68.9%	51.1%	27.4%	Medium	81.8%	53.6%	24.3%
2B-01-03.1	Studio	25.5	238	Medium	70.0%	52.0%	30.0%	Medium	82.2%	54.8%	27.4%
2B-01-04.1	Studio	27.0	234	Medium	69.1%	50.9%	28.2%	Medium	82.1%	54.7%	28.2%
2B-01-05.1	LKD	25.9	220	Minimum	50.2%	33.0%	19.0%	Minimum	59.6%	22.9%	6.7%
2B-01-05.2	Bed	13.5	117	Minimum	65.8%	45.0%	15.6%	Medium	81.5%	51.7%	20.7%
2B-01-05.3	Bed	8.5	64	Medium	75.5%	57.9%	40.5%	Medium	86.7%	67.5%	48.0%
2B-01-06.1	LKD	26.6	225	Minimum	55.7%	37.9%	26.0%	Minimum	52.3%	16.6%	6.0%
2B-01-06.2	Bed	6.5	54	Fail	45.1%	28.9%	16.9%	Minimum	63.5%	28.2%	13.8%
2B-01-06.3	Bed	11.0	90	Fail	37.4%	16.7%	6.9%	Minimum	58.2%	19.6%	6.0%
2B-01-07.1	LKD	20.3	190	Fail	44.5%	22.8%	9.0%	Minimum	54.2%	11.0%	4.5%
2B-01-07.2	Bed	10.1	88	Fail	32.9%	10.9%	6.0%	Minimum	57.0%	15.5%	5.3%
2B-01-08.1	LKD	20.3	190	Fail	38.9%	13.7%	4.2%	Minimum	50.0%	4.0%	1.6%
2B-01-08.2	Bed	10.2	88	Fail	31.9%	14.1%	5.3%	Minimum	53.2%	12.6%	4.3%
2B-01-09.1	LKD	27.5	264	High	83.2%	76.0%	66.9%	High	88.1%	75.6%	64.5%
2B-01-09.2	Bed	6.7	54	Minimum	52.3%	32.4%	15.0%	Minimum	66.4%	24.6%	6.0%
2B-01-09.3	Bed	11.0	88	Fail	39.1%	20.6%	7.9%	Minimum	56.5%	16.9%	4.4%
2B-01-10.1	LKD	28.6	260	High	82.6%	75.9%	66.6%	High	88.5%	77.0%	65.3%
2B-01-10.2	Bed	5.2	34	High	82.0%	74.2%	64.5%	High	86.4%	71.2%	58.6%
2B-01-10.3	Bed	9.5	72	High	76.3%	65.4%	54.0%	High	84.6%	66.6%	52.9%
2B-01-11.1	LKD	20.1	171	Minimum	65.6%	49.7%	31.0%	Minimum	77.1%	44.0%	18.1%
2B-01-11.2	Bed	10.1	80	Medium	71.8%	57.3%	40.8%	Medium	83.2%	60.2%	39.3%
2B-01-12.1	LKD	20.1	171	Medium	67.0%	51.7%	32.4%	Medium	79.3%	50.0%	24.4%
2B-01-12.2	Bed	10.1	80	Medium	73.3%	58.9%	42.3%	Medium	84.6%	63.7%	45.8%
2B-01-13.1	LKD	18.5	153	Medium	72.5%	58.9%	43.8%	Medium	83.1%	60.3%	41.3%
2B-01-13.2	Bed	10.1	80	Medium	74.0%	60.2%	44.8%	Medium	84.7%	64.7%	47.3%
2B-01-14.1	LKD	20.4	190	Medium	71.0%	56.6%	41.9%	Medium	82.0%	56.1%	34.6%
2B-01-14.2	Bed	12.7	110	High	79.9%	69.2%	56.9%	High	88.0%	74.5%	60.0%
2B-02-01.1	Studio	30.1	254	Medium	71.6%	54.7%	35.8%	Minimum	73.2%	27.2%	0.0%
2B-02-02.1	Studio	26.1	234	Medium	69.2%	51.3%	28.7%	Medium	81.6%	53.4%	25.1%
2B-02-03.1	Studio	25.5	238	Medium	69.7%	52.0%	30.3%	Medium	82.6%	56.0%	30.8%
2B-02-04.1	Studio	27.0	234	Medium	69.9%	52.0%	30.8%	Medium	82.1%	54.7%	28.4%
2B-02-05.1	LKD	25.9	220	Minimum	58.0%	41.4%	30.0%	Minimum	68.7%	35.5%	14.7%
2B-02-05.2	Bed	13.5	117	Minimum	66.3%	46.6%	19.2%	Medium	82.0%	53.2%	25.7%
2B-02-05.3	Bed	8.5	64	Medium	75.7%	58.1%	41.4%	Medium	86.8%	68.2%	49.4%
2B-02-06.1	LKD	26.6	225	Minimum	63.4%	47.9%	35.6%	Minimum	61.7%	25.0%	9.3%
2B-02-06.2	Bed	6.5	54	Minimum	58.0%	41.6%	28.3%	Minimum	72.4%	37.4%	23.1%
2B-02-06.3	Bed	11.0	90	Minimum	50.1%	29.8%	14.9%	Minimum	68.6%	33.1%	13.4%
2B-02-07.1	LKD	20.3	190	Minimum	57.6%	38.1%	19.6%	Minimum	63.5%	21.8%	6.6%
2B-02-07.2	Bed	10.1	88	Fail	47.8%	25.7%	9.7%	Minimum	65.9%	27.5%	7.6%
2B-02-08.1	LKD	20.3	190	Minimum	57.2%	37.4%	15.8%	Minimum	64.9%	21.6%	4.5%
2B-02-08.2	Bed	10.2	88	Minimum	61.4%	43.5%	24.7%	Minimum	76.9%	46.7%	22.6%

Block 2B - IS EN 17037:2018+A1:2021 Daylight Provision Room Schedule											
Space ID	Description	Area m2	Sensor Count	Target Illuminance	300lux_50	500lux_50	750lux_50	Minimum Target Illuminance	100lux_95	300lux_95	500lux_95
2B-02-09.1	LKD	27.5	264	High	85.3%	79.5%	72.6%	High	89.5%	79.8%	69.6%
2B-02-09.2	Bed	6.7	54	Medium	75.2%	61.9%	48.0%	Medium	83.9%	62.4%	45.3%
2B-02-09.3	Bed	11.0	88	Minimum	66.2%	49.9%	30.3%	Medium	80.1%	53.0%	30.7%
2B-02-10.1	LKD	28.6	260	High	83.9%	77.7%	69.4%	High	89.5%	79.0%	69.0%
2B-02-10.2	Bed	5.2	34	High	82.2%	74.6%	65.4%	High	86.3%	71.2%	58.7%
2B-02-10.3	Bed	9.5	72	High	76.7%	65.7%	54.8%	High	85.7%	68.4%	54.8%
2B-02-11.1	LKD	20.1	171	Medium	70.3%	56.4%	41.8%	Medium	80.5%	53.9%	29.9%
2B-02-11.2	Bed	10.1	80	Medium	74.8%	61.0%	46.7%	Medium	84.7%	65.4%	47.9%
2B-02-12.1	LKD	20.1	171	Medium	70.5%	55.9%	40.8%	Medium	80.5%	53.8%	29.6%
2B-02-12.2	Bed	10.1	80	Medium	74.9%	60.9%	46.3%	Medium	85.2%	66.1%	48.8%
2B-02-13.1	LKD	18.5	153	Medium	74.2%	61.0%	46.6%	Medium	83.8%	62.7%	44.6%
2B-02-13.2	Bed	10.1	80	Medium	75.3%	62.1%	47.7%	Medium	85.1%	66.5%	49.8%
2B-02-14.1	LKD	20.4	190	Medium	72.7%	59.0%	44.5%	Medium	82.6%	59.0%	39.2%
2B-02-14.2	Bed	12.7	110	High	80.3%	70.3%	58.5%	High	88.1%	74.7%	60.5%
2B-03-01.1	Studio	30.1	254	Medium	77.6%	64.2%	48.8%	Minimum	77.4%	39.1%	2.3%
2B-03-02.1	Studio	26.1	234	Medium	77.2%	62.7%	46.8%	Medium	85.6%	64.0%	42.9%
2B-03-03.1	Studio	25.5	238	Medium	77.4%	64.0%	48.4%	Medium	86.0%	65.2%	44.7%
2B-03-04.1	Studio	27.0	234	Medium	77.2%	62.7%	46.8%	Medium	85.7%	63.8%	43.3%
2B-03-05.1	LKD	25.9	220	Medium	65.8%	51.5%	40.8%	Minimum	75.7%	46.5%	29.6%
2B-03-05.2	Bed	13.5	117	Minimum	67.8%	48.4%	23.4%	Medium	82.0%	53.7%	27.3%
2B-03-05.3	Bed	8.5	64	Medium	76.1%	59.0%	42.8%	High	86.9%	68.6%	50.0%
2B-03-06.1	LKD	26.6	225	High	77.3%	66.6%	56.1%	Minimum	76.4%	48.7%	33.4%
2B-03-06.2	Bed	6.5	54	Minimum	57.8%	41.3%	27.8%	Minimum	72.6%	38.1%	20.2%
2B-03-06.3	Bed	11.0	90	Fail	49.1%	28.7%	13.9%	Minimum	69.9%	36.1%	13.2%
2B-03-07.1	LKD	20.3	190	Medium	66.8%	52.5%	35.3%	Minimum	73.4%	40.3%	13.9%
2B-03-07.2	Bed	10.1	88	Medium	67.2%	53.3%	36.6%	Medium	80.8%	56.1%	35.5%
2B-03-08.1	LKD	20.3	190	Medium	68.1%	53.4%	36.6%	Minimum	75.4%	43.7%	16.3%
2B-03-08.2	Bed	10.2	88	Medium	72.6%	58.0%	44.0%	Medium	83.8%	62.1%	44.2%
2B-03-09.1	LKD	27.5	264	High	86.6%	81.7%	75.5%	High	90.5%	81.4%	72.9%
2B-03-09.2	Bed	6.7	54	High	79.5%	69.4%	57.2%	High	87.2%	71.9%	57.2%
2B-03-09.3	Bed	11.0	88	Medium	73.3%	59.5%	45.2%	Medium	84.4%	63.9%	47.3%
2B-03-10.1	LKD	28.6	260	High	86.1%	80.5%	74.7%	High	91.0%	81.2%	73.5%
2B-03-10.2	Bed	5.2	34	High	83.1%	75.8%	67.1%	High	86.3%	71.1%	57.8%
2B-03-10.3	Bed	9.5	72	High	77.4%	67.1%	55.9%	High	86.1%	70.1%	56.6%
2B-03-11.1	LKD	20.1	171	High	76.9%	64.2%	51.4%	Medium	82.9%	59.9%	40.5%
2B-03-11.2	Bed	10.1	80	High	76.7%	63.9%	50.6%	High	85.5%	67.3%	51.8%
2B-03-12.1	LKD	20.1	171	High	76.3%	63.5%	50.8%	Medium	83.1%	60.4%	40.8%
2B-03-12.2	Bed	10.1	80	High	76.2%	63.3%	50.1%	High	85.7%	67.7%	52.2%
2B-03-13.1	LKD	18.5	153	High	78.8%	67.5%	54.8%	High	85.6%	67.5%	51.8%
2B-03-13.2	Bed	10.1	80	High	76.5%	63.5%	50.3%	High	85.8%	67.8%	52.1%
2B-03-14.1	LKD	20.4	190	High	77.2%	64.4%	51.8%	Medium	84.6%	64.7%	47.2%
2B-03-14.2	Bed	12.7	110	High	80.9%	71.1%	60.2%	High	88.2%	75.5%	62.0%
2B-04-01.1	LKD	26.5	240	High	79.4%	69.5%	59.8%	High	87.1%	73.2%	60.5%
2B-04-01.2	Bed	11.0	96	High	74.9%	63.2%	52.0%	High	84.6%	66.4%	51.8%
2B-04-01.3	Bed	9.6	77	Medium	77.1%	61.4%	44.7%	Medium	86.5%	66.6%	46.0%
2B-04-02.1	LKD	20.7	186	High	76.6%	66.1%	55.0%	High	84.1%	65.4%	50.7%
2B-04-02.2	Bed	11.2	96	High	78.6%	68.3%	58.5%	High	87.2%	73.6%	60.2%

Table 28: Daylight provision individual values for all habitable rooms to IS EN 17037:2018+A1:2021

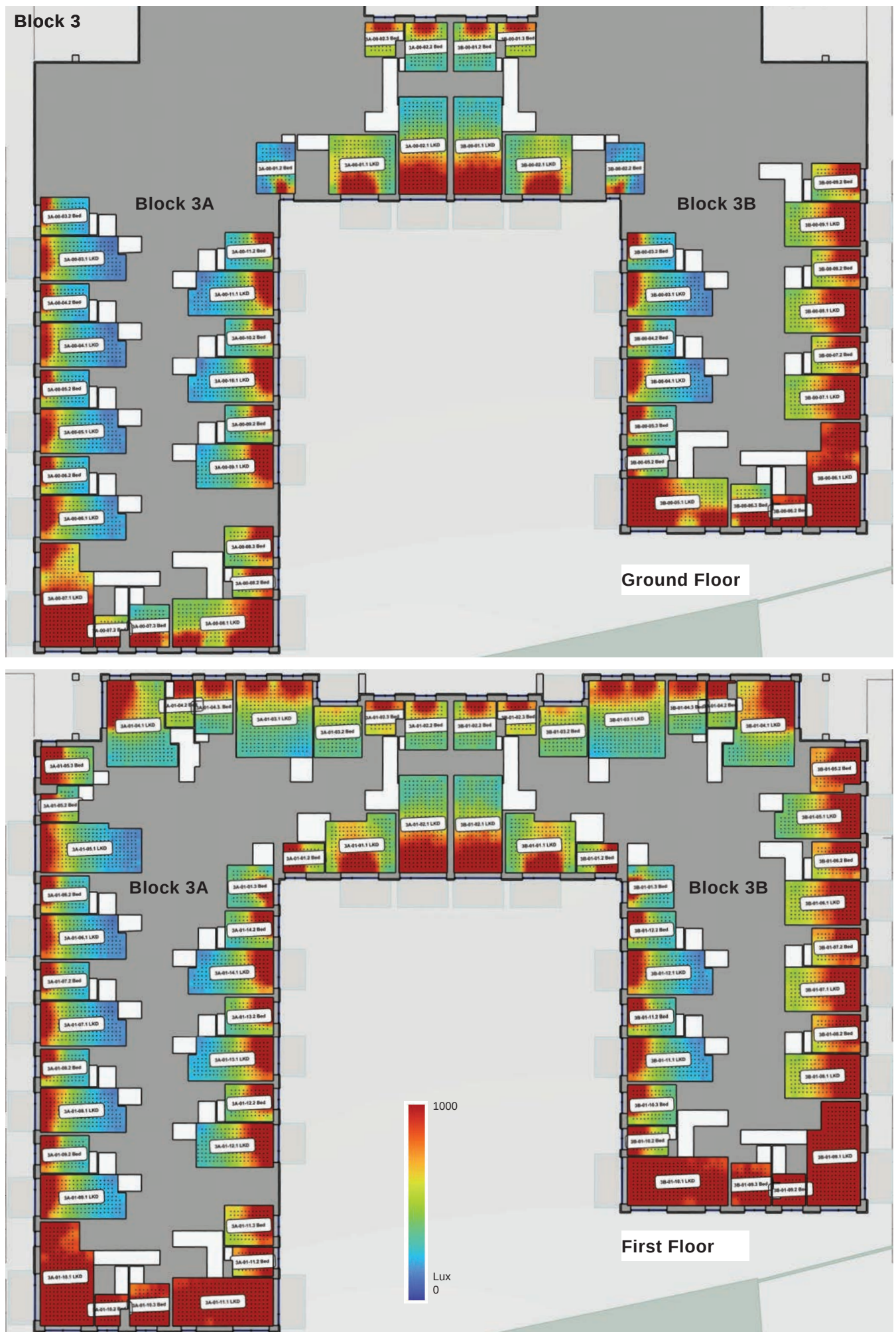


Figure 46: Block 3 - Daylight Provision and Annual Average Illuminance to all Habitable Rooms

Block 3

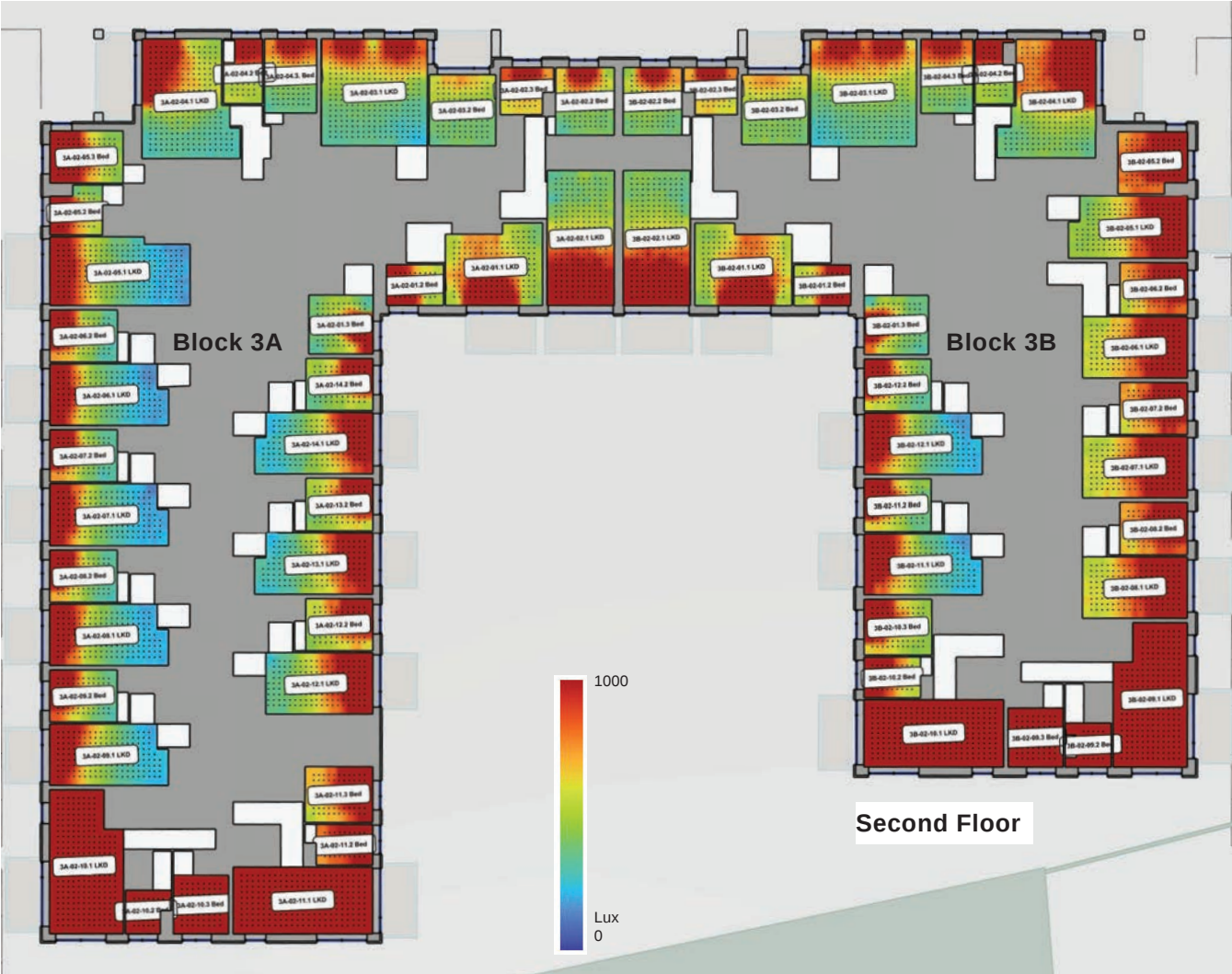


Figure 47: Block 3 - Daylight Provision and Annual Average Illuminance to all Habitable Rooms

Block 3A - IS EN 17037:2018+A1:2021 Daylight Provision Room Schedule

Space ID	Description	Area m2	Sensor Count	Target Illuminance	300lux_50	500lux_50	750lux_50	Minimum Target Illuminance	100lux_95	300lux_95	500lux_95
3A-00-01.1	LKD	22.1	195	Minimum	54.0%	36.8%	24.1%	Minimum	71.1%	38.0%	23.1%
3A-00-01.2	Bed	11.0	88	Fail	23.9%	10.8%	5.6%	Fail	41.3%	10.8%	4.7%
3A-00-02.1	LKD	26.1	230	Minimum	53.6%	36.6%	24.5%	Minimum	65.4%	31.3%	11.9%
3A-00-02.2	Bed	11.5	99	Minimum	65.0%	44.1%	11.3%	Minimum	80.1%	48.5%	13.0%
3A-00-02.3	Bed	6.6	48	Medium	76.8%	62.1%	44.8%	High	87.1%	69.1%	50.3%
3A-00-03.1	LKD	20.2	171	Fail	35.7%	11.2%	3.9%	Minimum	50.5%	4.3%	1.3%
3A-00-03.2	Bed	10.2	88	Fail	42.4%	18.5%	3.9%	Minimum	66.0%	19.7%	3.3%
3A-00-04.1	LKD	20.2	171	Fail	36.6%	13.2%	4.2%	Minimum	51.4%	4.7%	1.5%
3A-00-04.2	Bed	10.2	88	Fail	41.9%	18.0%	4.0%	Minimum	64.3%	19.7%	3.5%
3A-00-05.1	LKD	20.2	171	Fail	39.4%	14.9%	5.0%	Minimum	53.8%	7.2%	2.6%
3A-00-05.2	Bed	10.2	88	Fail	42.1%	17.9%	4.5%	Minimum	65.1%	21.8%	4.0%
3A-00-06.1	LKD	20.2	171	Fail	46.1%	24.2%	7.8%	Minimum	57.3%	12.3%	3.7%
3A-00-06.2	Bed	10.2	88	Fail	46.0%	23.6%	5.4%	Minimum	67.4%	25.9%	6.2%
3A-00-07.1	LKD	28.6	260	High	75.8%	62.8%	50.5%	Medium	83.3%	61.5%	44.5%
3A-00-07.2	Bed	5.1	34	Medium	69.4%	54.8%	43.3%	Minimum	75.4%	46.4%	31.0%
3A-00-07.3	Bed	9.3	72	Minimum	51.3%	36.1%	22.5%	Minimum	67.0%	34.2%	17.7%
3A-00-08.1	LKD	27.0	230	Medium	65.5%	50.4%	36.4%	Minimum	77.8%	48.8%	31.5%
3A-00-08.2	Bed	6.7	54	Medium	70.4%	53.3%	35.2%	Medium	81.7%	53.7%	31.9%
3A-00-08.3	Bed	10.9	88	Minimum	63.9%	45.4%	27.1%	Minimum	77.7%	46.3%	24.2%
3A-00-09.1	LKD	20.1	171	Minimum	50.9%	29.7%	13.7%	Minimum	63.1%	22.4%	6.5%
3A-00-09.2	Bed	10.1	80	Minimum	56.8%	37.7%	19.8%	Minimum	71.4%	32.9%	13.5%
3A-00-10.1	LKD	20.1	171	Fail	45.6%	23.7%	10.0%	Minimum	57.4%	16.5%	6.0%
3A-00-10.2	Bed	10.1	80	Minimum	52.6%	32.7%	14.7%	Minimum	67.8%	30.4%	10.9%
3A-00-11.1	LKD	20.1	171	Fail	39.5%	18.6%	8.0%	Minimum	52.0%	12.7%	4.9%
3A-00-11.2	Bed	10.1	80	Fail	43.2%	21.9%	11.1%	Minimum	61.2%	23.4%	8.7%
3A-01-01.1	LKD	21.3	186	Minimum	60.3%	42.7%	30.0%	Minimum	74.4%	43.2%	28.4%
3A-01-01.2	Bed	6.7	54	Minimum	62.3%	46.4%	32.9%	Minimum	77.3%	46.7%	30.3%
3A-01-01.3	Bed	10.9	90	Fail	48.6%	29.9%	14.8%	Minimum	68.2%	34.3%	16.2%
3A-01-02.1	LKD	26.1	230	Minimum	57.5%	40.7%	28.6%	Minimum	72.1%	38.6%	19.8%
3A-01-02.2	Bed	11.5	99	Minimum	68.7%	49.9%	25.9%	Medium	82.1%	54.7%	28.3%
3A-01-02.3	Bed	6.6	48	Medium	77.9%	65.2%	49.3%	High	88.0%	72.1%	55.1%
3A-01-03.1	LKD	32.6	306	Minimum	62.6%	42.3%	13.2%	Minimum	77.3%	41.5%	6.1%
3A-01-03.2	Bed	13.6	110	Minimum	61.6%	41.3%	12.0%	Medium	81.0%	52.9%	23.5%
3A-01-04.1	LKD	29.7	276	Minimum	62.7%	44.0%	19.1%	Minimum	77.1%	42.2%	9.5%
3A-01-04.2	Bed	6.6	42	Medium	73.8%	57.4%	39.5%	Medium	85.5%	64.1%	44.9%
3A-01-04.3	Bed	11.2	96	Minimum	67.8%	49.3%	26.5%	Minimum	79.7%	49.8%	20.8%
3A-01-05.1	LKD	26.8	256	Fail	46.5%	22.2%	5.0%	Minimum	58.0%	6.0%	0.8%
3A-01-05.2	Bed	6.9	48	Medium	68.8%	52.4%	33.7%	Minimum	78.1%	46.7%	20.6%
3A-01-05.3	Bed	11.0	96	Medium	72.6%	57.0%	41.5%	Medium	80.8%	53.6%	30.8%
3A-01-06.1	LKD	20.2	171	Fail	42.6%	18.8%	5.1%	Minimum	56.2%	5.4%	1.0%
3A-01-06.2	Bed	10.2	88	Minimum	55.4%	35.2%	12.9%	Minimum	71.6%	34.0%	7.0%
3A-01-07.1	LKD	20.2	171	Fail	44.7%	21.6%	5.4%	Minimum	55.6%	5.5%	1.6%
3A-01-07.2	Bed	10.2	88	Minimum	54.2%	33.8%	10.7%	Minimum	70.2%	32.4%	6.6%
3A-01-08.1	LKD	20.2	171	Fail	47.1%	24.6%	6.1%	Minimum	57.5%	7.8%	2.8%
3A-01-08.2	Bed	10.2	88	Minimum	56.3%	36.2%	14.8%	Minimum	70.5%	34.0%	6.6%
3A-01-09.1	LKD	20.2	171	Minimum	50.8%	28.6%	9.1%	Minimum	62.4%	17.4%	4.7%
3A-01-09.2	Bed	10.2	88	Minimum	57.2%	37.8%	16.9%	Minimum	72.1%	38.1%	10.3%
3A-01-10.1	LKD	28.6	260	High	81.0%	72.4%	62.6%	High	86.9%	71.9%	59.1%
3A-01-10.2	Bed	5.1	34	High	82.4%	74.7%	65.3%	High	85.5%	68.2%	54.7%
3A-01-10.3	Bed	9.3	72	High	74.6%	63.1%	52.1%	High	84.1%	65.6%	51.6%

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Space ID	Description	Area m2	Sensor Count	Target Illuminance	300lux_50	500lux_50	750lux_50	Minimum Target Illuminance	100lux_95	300lux_95	500lux_95
3A-01-11.1	LKD	27.0	230	High	80.9%	72.6%	62.8%	High	86.8%	73.4%	60.5%
3A-01-11.2	Bed	6.7	54	Medium	77.1%	63.9%	48.8%	Medium	84.8%	65.5%	47.4%
3A-01-11.3	Bed	10.9	88	Medium	70.0%	54.1%	37.8%	Medium	82.9%	59.4%	39.1%
3A-01-12.1	LKD	20.1	171	Minimum	58.7%	41.1%	21.9%	Minimum	69.2%	32.0%	10.3%
3A-01-12.2	Bed	10.1	80	Minimum	65.5%	48.6%	30.1%	Minimum	77.9%	48.3%	25.1%
3A-01-13.1	LKD	20.1	171	Minimum	53.3%	34.2%	14.6%	Minimum	62.3%	21.0%	5.8%
3A-01-13.2	Bed	10.1	80	Minimum	60.5%	43.6%	25.8%	Minimum	75.2%	43.4%	19.7%
3A-01-14.1	LKD	20.1	171	Fail	49.6%	28.5%	12.9%	Minimum	58.2%	16.4%	6.2%
3A-01-14.2	Bed	10.1	80	Minimum	53.5%	34.9%	18.1%	Minimum	68.8%	35.7%	15.5%
3A-02-01.1	LKD	21.3	186	Minimum	63.4%	46.7%	34.8%	Minimum	77.5%	48.7%	34.2%
3A-02-01.2	Bed	6.7	54	Medium	68.2%	53.2%	39.7%	Medium	78.7%	50.2%	33.0%
3A-02-01.3	Bed	10.9	90	Minimum	55.0%	36.4%	21.5%	Minimum	72.8%	39.8%	21.3%
3A-02-02.1	LKD	26.1	230	Minimum	61.7%	45.0%	33.6%	Minimum	74.7%	42.9%	25.3%
3A-02-02.2	Bed	11.5	99	Medium	69.2%	51.3%	29.0%	Medium	82.6%	56.6%	33.3%
3A-02-02.3	Bed	6.6	48	High	78.7%	67.0%	52.1%	High	88.3%	73.3%	56.5%
3A-02-03.1	LKD	32.6	306	Minimum	64.9%	45.5%	19.7%	Minimum	78.7%	46.6%	13.6%
3A-02-03.2	Bed	13.6	110	Minimum	64.1%	44.5%	16.8%	Medium	82.5%	56.3%	31.8%
3A-02-04.1	LKD	29.7	276	Minimum	66.3%	48.8%	27.0%	Minimum	77.9%	44.5%	13.7%
3A-02-04.2	Bed	6.6	42	Medium	74.7%	58.9%	42.4%	Medium	86.3%	67.3%	49.0%
3A-02-04.3	Bed	11.2	96	Medium	68.7%	51.3%	29.7%	Medium	81.8%	54.2%	29.0%
3A-02-05.1	LKD	26.8	256	Minimum	52.6%	30.3%	7.4%	Minimum	63.1%	14.7%	3.4%
3A-02-05.2	Bed	6.9	48	Medium	72.2%	56.9%	41.4%	Medium	80.3%	53.9%	31.2%
3A-02-05.3	Bed	11.0	96	Medium	75.5%	61.7%	47.3%	Medium	82.5%	57.6%	37.8%
3A-02-06.1	LKD	20.2	171	Minimum	51.1%	28.2%	7.2%	Minimum	61.0%	13.7%	3.6%
3A-02-06.2	Bed	10.2	88	Minimum	62.9%	45.5%	25.1%	Minimum	75.9%	40.9%	14.2%
3A-02-07.1	LKD	20.2	171	Minimum	51.6%	29.6%	7.4%	Minimum	61.6%	14.6%	4.1%
3A-02-07.2	Bed	10.2	88	Minimum	61.9%	45.0%	25.1%	Minimum	75.9%	42.4%	15.7%
3A-02-08.1	LKD	20.2	171	Minimum	53.0%	31.7%	8.3%	Minimum	63.5%	19.9%	4.6%
3A-02-08.2	Bed	10.2	88	Minimum	62.6%	46.2%	26.7%	Minimum	76.3%	43.4%	16.9%
3A-02-09.1	LKD	20.2	171	Minimum	57.7%	38.6%	15.9%	Minimum	66.3%	24.8%	6.0%
3A-02-09.2	Bed	10.2	88	Minimum	65.5%	49.1%	30.5%	Minimum	77.1%	46.4%	20.0%
3A-02-10.1	LKD	28.6	260	High	82.8%	75.6%	66.3%	High	88.5%	77.6%	65.9%
3A-02-10.2	Bed	5.1	34	High	84.2%	77.7%	69.9%	High	87.5%	75.2%	63.9%
3A-02-10.3	Bed	9.3	72	High	79.8%	70.0%	60.2%	High	87.3%	74.2%	62.3%
3A-02-11.1	LKD	27.0	230	High	84.3%	78.1%	70.2%	High	89.4%	79.4%	69.9%
3A-02-11.2	Bed	6.7	54	High	78.2%	66.3%	53.1%	High	86.1%	69.2%	54.1%
3A-02-11.3	Bed	10.9	88	Medium	73.4%	59.0%	43.4%	Medium	84.2%	63.5%	45.7%
3A-02-12.1	LKD	20.1	171	Minimum	64.9%	49.2%	30.7%	Minimum	75.6%	42.4%	16.8%
3A-02-12.2	Bed	10.1	80	Medium	69.2%	54.2%	37.7%	Medium	80.1%	54.0%	32.0%
3A-02-13.1	LKD	20.1	171	Minimum	61.1%	44.7%	25.5%	Minimum	69.6%	33.4%	10.2%
3A-02-13.2	Bed	10.1	80	Medium	65.5%	50.1%	33.2%	Medium	78.5%	50.9%	29.2%
3A-02-14.1	LKD	20.1	171	Minimum	56.1%	39.0%	21.1%	Minimum	65.4%	28.2%	7.8%
3A-02-14.2	Bed	10.1	80	Minimum	59.6%	44.1%	26.6%	Minimum	74.9%	44.2%	24.3%
3A-03-01.1	LKD	21.3	186	High	75.2%	63.5%	51.4%	Medium	84.2%	64.6%	50.0%
3A-03-01.2	Bed	6.7	54	Minimum	62.2%	45.9%	32.3%	Minimum	77.1%	47.5%	30.0%
3A-03-01.3	Bed	10.9	90	Minimum	52.0%	32.2%	17.1%	Minimum	73.3%	39.7%	18.0%
3A-03-02.1	LKD	26.1	230	Medium	66.0%	51.6%	40.4%	Minimum	77.2%	49.5%	32.3%
3A-03-02.2	Bed	11.5	99	Medium	71.1%	53.9%	33.7%	Medium	84.0%	58.8%	37.2%
3A-03-02.3	Bed	6.6	48	High	79.2%	68.0%	53.5%	High	88.8%	75.3%	59.8%
3A-03-03.1	LKD	32.6	306	Minimum	66.8%	49.0%	25.2%	Minimum	79.2%	48.7%	17.1%

Block 3A - IS EN 17037:2018+A1:2021 Daylight Provision Room Schedule

Space ID	Description	Area m2	Sensor Count	Target Illuminance	300lux_50	500lux_50	750lux_50	Minimum Target Illuminance	100lux_95	300lux_95	500lux_95
3A-03-03.2	Bed	13.6	110	Medium	68.3%	50.8%	26.1%	Medium	84.6%	60.7%	39.2%
3A-03-04.1	LKD	29.7	276	Medium	70.1%	53.7%	35.3%	Minimum	79.1%	49.2%	20.1%
3A-03-04.2	Bed	6.6	42	Medium	74.6%	59.1%	43.4%	High	86.6%	68.7%	50.9%
3A-03-04.3	Bed	11.2	96	Medium	70.6%	53.6%	33.2%	Medium	82.4%	55.9%	32.0%
3A-03-05.1	LKD	26.8	256	Minimum	60.1%	41.4%	20.3%	Minimum	69.9%	29.7%	6.3%
3A-03-05.2	Bed	6.9	48	Medium	76.6%	63.0%	48.2%	Medium	82.7%	60.0%	41.4%
3A-03-05.3	Bed	11.0	96	High	77.3%	64.8%	51.3%	Medium	84.7%	63.2%	45.5%
3A-03-06.1	LKD	20.2	171	Minimum	59.7%	40.9%	20.5%	Minimum	68.1%	26.9%	6.3%
3A-03-06.2	Bed	10.2	88	Medium	68.8%	52.6%	35.9%	Medium	79.6%	52.5%	28.9%
3A-03-07.1	LKD	20.2	171	Minimum	60.2%	41.9%	22.2%	Minimum	68.9%	30.1%	6.5%
3A-03-07.2	Bed	10.2	88	Medium	68.2%	52.0%	35.5%	Medium	79.4%	51.3%	27.4%
3A-03-08.1	LKD	20.2	171	Minimum	61.0%	43.8%	23.2%	Minimum	69.3%	30.6%	6.7%
3A-03-08.2	Bed	10.2	88	Medium	68.2%	52.1%	35.7%	Medium	79.6%	52.2%	28.7%
3A-03-09.1	LKD	20.2	171	Minimum	63.2%	47.3%	27.5%	Minimum	72.0%	36.6%	8.3%
3A-03-09.2	Bed	10.2	88	Medium	68.7%	53.5%	37.2%	Medium	81.1%	55.6%	34.1%
3A-03-10.1	LKD	28.6	260	High	83.7%	77.6%	68.7%	High	89.3%	79.1%	68.7%
3A-03-10.2	Bed	5.1	34	High	84.7%	78.5%	71.5%	High	87.8%	75.7%	64.5%
3A-03-10.3	Bed	9.3	72	High	80.6%	71.7%	61.9%	High	88.1%	76.0%	64.6%
3A-03-11.1	LKD	27.0	230	High	85.0%	79.3%	72.7%	High	90.4%	81.0%	72.7%
3A-03-11.2	Bed	6.7	54	High	79.4%	68.5%	56.8%	High	87.2%	72.4%	58.4%
3A-03-11.3	Bed	10.9	88	Medium	75.6%	62.3%	48.3%	High	85.2%	66.9%	50.6%
3A-03-12.1	LKD	20.1	171	Medium	68.5%	54.5%	37.7%	Minimum	78.3%	49.6%	23.8%
3A-03-12.2	Bed	10.1	80	Medium	71.7%	57.9%	42.3%	Medium	83.1%	61.2%	41.9%
3A-03-13.1	LKD	20.1	171	Medium	65.2%	50.3%	31.8%	Minimum	76.5%	45.0%	17.9%
3A-03-13.2	Bed	10.1	80	Medium	70.3%	56.2%	41.1%	Medium	82.4%	59.8%	40.9%
3A-03-14.1	LKD	20.1	171	Minimum	63.3%	47.4%	30.7%	Minimum	73.9%	40.4%	15.2%
3A-03-14.2	Bed	10.1	80	Medium	66.3%	52.1%	36.7%	Medium	78.9%	52.9%	33.0%
3A-04-01.1	LKD	23.6	202	Minimum	64.8%	48.9%	36.8%	Minimum	75.2%	44.1%	28.6%
3A-04-01.2	Bed	10.8	90	Medium	68.8%	54.2%	40.2%	Medium	82.2%	59.2%	42.0%
3A-04-02.1	LKD	31.8	304	High	75.7%	64.6%	53.6%	High	84.4%	65.6%	52.2%
3A-04-02.2	Bed	14.2	117	Medium	67.0%	53.2%	41.0%	Medium	81.3%	57.4%	41.4%
3A-04-02.3	Bed	9.7	66	Medium	75.2%	57.9%	40.6%	Medium	81.9%	52.1%	25.0%
3A-04-03.1	LKD	28.5	264	Medium	73.2%	59.3%	44.7%	Medium	79.2%	51.4%	25.8%
3A-04-03.2	Bed	8.1	60	High	77.0%	64.5%	50.8%	Medium	85.2%	65.5%	47.8%
3A-04-03.3	Bed	10.1	80	High	81.3%	72.9%	61.3%	High	87.8%	74.1%	58.9%
3A-04-04.1	LKD	20.2	171	Medium	73.6%	60.1%	45.9%	Medium	79.7%	52.4%	28.3%
3A-04-04.2	Bed	10.2	88	Medium	74.5%	61.4%	46.7%	Medium	84.0%	62.7%	44.6%
3A-04-05.1	LKD	20.2	171	Medium	73.2%	59.7%	45.5%	Medium	79.5%	51.1%	26.4%
3A-04-05.2	Bed	10.2	88	Medium	73.8%	60.3%	45.7%	Medium	83.5%	62.1%	44.3%
3A-04-06.1	LKD	20.2	171	Medium	74.2%	60.8%	46.6%	Medium	80.2%	53.3%	29.2%
3A-04-06.2	Bed	10.2	88	Medium	74.1%	60.7%	46.3%	Medium	83.4%	62.0%	43.9%
3A-04-07.1	LKD	20.2	171	Medium	74.2%	60.9%	46.8%	Medium	80.6%	54.2%	30.4%
3A-04-07.2	Bed	10.2	88	Medium	74.1%	60.9%	46.6%	Medium	83.8%	62.8%	45.3%
3A-04-08.1	LKD	28.6	260	High	86.4%	80.5%	74.2%	High	90.7%	81.5%	73.3%
3A-04-08.2	Bed	5.1	34	High	85.6%	80.0%	73.4%	High	88.4%	77.0%	66.3%
3A-04-08.3	Bed	9.3	72	High	81.1%	72.5%	62.9%	High	88.1%	76.1%	64.9%
3A-04-09.1	LKD	27.0	230	High	86.1%	80.5%	74.6%	High	91.0%	81.6%	74.3%
3A-04-09.2	Bed	6.7	54	High	80.5%	70.6%	60.1%	High	88.2%	75.9%	62.7%
3A-04-09.3	Bed	10.9	88	High	76.5%	64.0%	51.1%	High	86.1%	69.0%	54.1%
3A-04-10.1	LKD	20.1	171	High	76.5%	64.1%	51.6%	Medium	83.1%	60.4%	41.1%

Block 3A - IS EN 17037:2018+A1:2021 Daylight Provision Room Schedule

Space ID	Description	Area m2	Sensor Count	Target Illuminance	300lux_50	500lux_50	750lux_50	Minimum Target Illuminance	100lux_95	300lux_95	500lux_95
3A-04-10.2	Bed	10.1	80	Medium	75.5%	62.3%	48.9%	Medium	84.7%	65.6%	49.8%
3A-04-11.1	LKD	20.1	171	Medium	75.7%	62.6%	49.4%	Medium	81.9%	57.3%	36.2%
3A-04-11.2	Bed	10.1	80	Medium	75.0%	61.8%	48.4%	Medium	84.3%	64.4%	48.3%
3A-04-12.1	LKD	20.1	171	Medium	74.9%	61.8%	48.5%	Medium	80.9%	55.9%	34.7%
3A-04-12.2	Bed	10.1	80	Medium	72.9%	59.2%	46.0%	Medium	83.4%	62.8%	46.2%

Table 29: Daylight provision individual values for all habitable rooms to IS EN 17037:2018+A1:2021

Block 3B - IS EN 17037:2018+A1:2021 Daylight Provision Room Schedule

Space ID	Description	Area m2	Sensor Count	Target Illuminance	300lux_50	500lux_50	750lux_50	Minimum Target Illuminance	100lux_95	300lux_95	500lux_95
3B-00-01.1	LKD	26.1	230	Minimum	53.6%	37.2%	22.4%	Minimum	65.2%	30.0%	11.8%
3B-00-01.2	Bed	11.4	99	Minimum	64.6%	43.2%	9.7%	Minimum	79.9%	48.7%	11.3%
3B-00-01.3	Bed	6.6	48	Medium	76.8%	61.4%	43.8%	Medium	86.8%	68.4%	49.4%
3B-00-02.1	LKD	22.0	195	Minimum	53.4%	36.1%	23.1%	Minimum	71.7%	37.9%	22.6%
3B-00-02.2	Bed	11.0	88	Fail	21.4%	8.8%	4.3%	Fail	40.3%	9.7%	3.7%
3B-00-03.1	LKD	20.1	171	Fail	38.2%	13.2%	5.5%	Minimum	50.3%	7.1%	2.8%
3B-00-03.2	Bed	10.1	80	Fail	39.7%	16.1%	5.8%	Minimum	59.3%	18.9%	4.9%
3B-00-04.1	LKD	20.0	171	Fail	42.1%	20.0%	6.3%	Minimum	54.4%	8.9%	3.7%
3B-00-04.2	Bed	10.1	80	Fail	47.2%	25.7%	7.1%	Minimum	64.6%	24.5%	4.9%
3B-00-05.1	LKD	27.1	253	Medium	71.6%	57.4%	45.5%	Medium	80.1%	53.8%	37.9%
3B-00-05.2	Bed	6.7	54	Minimum	62.9%	47.0%	29.4%	Minimum	76.5%	45.0%	21.7%
3B-00-05.3	Bed	10.9	88	Minimum	52.6%	33.1%	11.2%	Minimum	71.9%	37.0%	11.9%
3B-00-06.1	LKD	28.7	260	High	80.2%	71.1%	61.2%	High	86.9%	72.4%	58.5%
3B-00-06.2	Bed	5.2	30	High	74.7%	62.7%	51.3%	High	84.5%	65.5%	51.6%
3B-00-06.3	Bed	9.4	72	Minimum	61.3%	47.8%	37.3%	Minimum	74.8%	46.5%	30.4%
3B-00-07.1	LKD	18.6	153	Medium	69.5%	54.8%	37.7%	Medium	81.3%	54.7%	32.0%
3B-00-07.2	Bed	10.2	88	Medium	70.8%	55.3%	36.9%	Medium	82.7%	58.5%	35.7%
3B-00-08.1	LKD	18.6	153	Medium	68.6%	53.7%	36.6%	Medium	81.1%	54.8%	32.6%
3B-00-08.2	Bed	10.2	88	Medium	70.3%	54.7%	36.8%	Medium	81.9%	56.9%	34.7%
3B-00-09.1	LKD	18.6	153	Medium	68.1%	52.9%	34.9%	Medium	80.1%	52.5%	29.7%
3B-00-09.2	Bed	10.2	88	Medium	67.7%	51.0%	33.5%	Medium	80.5%	51.7%	29.9%
3B-01-01.1	LKD	21.3	186	Minimum	59.5%	42.5%	29.6%	Minimum	73.9%	42.7%	26.8%
3B-01-01.2	Bed	6.7	54	Minimum	61.2%	45.3%	31.2%	Minimum	76.1%	45.4%	28.3%
3B-01-01.3	Bed	11.0	90	Fail	44.6%	23.5%	10.9%	Minimum	63.7%	26.6%	10.9%
3B-01-02.1	LKD	26.1	230	Minimum	57.9%	41.4%	29.2%	Minimum	71.6%	38.5%	18.8%
3B-01-02.2	Bed	11.4	99	Medium	68.6%	50.1%	25.4%	Medium	82.2%	54.6%	28.6%
3B-01-02.3	Bed	6.6	48	Medium	77.9%	64.7%	48.9%	High	87.6%	71.1%	53.6%
3B-01-03.1	LKD	32.8	306	Minimum	64.5%	44.7%	15.8%	Minimum	78.7%	45.6%	10.3%
3B-01-03.2	Bed	13.4	110	Minimum	64.2%	44.4%	15.4%	Medium	82.4%	55.9%	31.0%
3B-01-04.1	LKD	29.3	272	Medium	70.3%	54.5%	36.2%	Medium	79.8%	50.3%	22.0%
3B-01-04.2	Bed	6.6	40	Medium	68.7%	51.9%	29.3%	Medium	84.1%	59.2%	35.9%
3B-01-04.3	Bed	11.2	96	Medium	69.2%	51.7%	29.5%	Medium	81.8%	53.9%	27.0%
3B-01-05.1	LKD	20.6	190	Medium	67.7%	52.5%	34.8%	Medium	79.1%	50.1%	25.2%
3B-01-05.2	Bed	11.8	102	High	77.8%	65.1%	50.9%	High	86.6%	69.9%	53.4%
3B-01-06.1	LKD	18.6	153	Medium	71.4%	57.2%	42.4%	Medium	82.5%	59.0%	39.4%
3B-01-06.2	Bed	10.2	88	Medium	73.1%	58.7%	42.5%	Medium	83.9%	62.7%	44.2%
3B-01-07.1	LKD	18.6	153	Medium	70.9%	57.0%	42.2%	Medium	82.9%	59.7%	40.6%
3B-01-07.2	Bed	10.2	88	Medium	74.2%	60.3%	45.1%	Medium	84.3%	63.7%	45.8%

Block 3B - IS EN 17037:2018+A1:2021 Daylight Provision Room Schedule

Space ID	Description	Area m2	Sensor Count	Target Illuminance	300lux_50	500lux_50	750lux_50	Minimum Target Illuminance	100lux_95	300lux_95	500lux_95
3B-01-08.1	LKD	18.6	153	Medium	71.5%	58.1%	43.1%	Medium	82.9%	60.0%	41.1%
3B-01-08.2	Bed	10.2	88	Medium	74.1%	60.3%	45.1%	Medium	84.5%	63.9%	46.1%
3B-01-09.1	LKD	28.7	260	High	83.8%	77.4%	68.9%	High	89.4%	78.6%	68.5%
3B-01-09.2	Bed	5.2	30	High	82.7%	75.4%	66.5%	High	89.2%	78.7%	68.7%
3B-01-09.3	Bed	9.4	72	High	75.6%	64.4%	52.8%	High	84.6%	66.6%	52.4%
3B-01-10.1	LKD	27.1	253	High	80.2%	70.8%	61.3%	High	86.5%	71.4%	58.6%
3B-01-10.2	Bed	6.7	54	Medium	70.4%	55.9%	40.9%	Medium	81.4%	56.3%	37.1%
3B-01-10.3	Bed	10.9	88	Minimum	62.0%	45.6%	26.1%	Minimum	76.7%	46.6%	23.5%
3B-01-11.1	LKD	20.0	171	Fail	49.7%	29.7%	8.5%	Minimum	60.1%	15.8%	3.9%
3B-01-11.2	Bed	10.1	80	Minimum	59.6%	42.3%	21.1%	Minimum	71.8%	38.3%	11.5%
3B-01-12.1	LKD	20.1	171	Fail	45.9%	24.4%	7.9%	Minimum	55.9%	8.4%	3.6%
3B-01-12.2	Bed	10.1	80	Minimum	51.4%	32.3%	13.4%	Minimum	66.6%	32.0%	9.6%
3B-02-01.1	LKD	21.3	186	Minimum	64.3%	49.3%	36.1%	Medium	77.5%	50.6%	35.7%
3B-02-01.2	Bed	6.7	54	Medium	68.5%	55.0%	41.7%	Medium	79.5%	53.2%	34.2%
3B-02-01.3	Bed	11.0	90	Minimum	53.9%	35.7%	17.7%	Minimum	71.4%	38.8%	18.1%
3B-02-02.1	LKD	26.1	230	Minimum	62.1%	46.3%	33.4%	Minimum	75.6%	44.6%	27.8%
3B-02-02.2	Bed	11.4	99	Medium	69.3%	51.7%	29.6%	Medium	83.0%	56.8%	33.0%
3B-02-02.3	Bed	6.6	48	High	78.3%	66.1%	51.2%	High	87.9%	72.6%	55.2%
3B-02-03.1	LKD	32.8	306	Minimum	66.6%	47.7%	22.2%	Minimum	79.6%	49.3%	16.9%
3B-02-03.2	Bed	13.4	110	Minimum	66.5%	47.8%	21.4%	Medium	84.0%	59.0%	36.5%
3B-02-04.1	LKD	29.3	272	Medium	73.0%	58.2%	42.5%	Medium	81.1%	54.0%	29.0%
3B-02-04.2	Bed	6.6	40	Medium	72.0%	55.6%	36.7%	Medium	85.1%	61.9%	41.3%
3B-02-04.3	Bed	11.2	96	Medium	71.1%	53.7%	33.0%	Medium	82.7%	56.5%	33.3%
3B-02-05.1	LKD	20.6	190	Medium	71.1%	56.5%	42.1%	Medium	81.3%	55.5%	33.8%
3B-02-05.2	Bed	11.8	102	High	78.9%	67.1%	53.9%	High	87.6%	72.7%	58.6%
3B-02-06.1	LKD	18.6	153	Medium	74.2%	60.8%	46.5%	Medium	83.7%	62.9%	45.2%
3B-02-06.2	Bed	10.2	88	Medium	75.6%	62.0%	47.7%	Medium	84.8%	65.6%	48.7%
3B-02-07.1	LKD	18.6	153	Medium	74.1%	60.7%	46.6%	Medium	83.9%	63.4%	45.7%
3B-02-07.2	Bed	10.2	88	Medium	75.6%	62.4%	48.3%	High	85.2%	66.8%	50.6%
3B-02-08.1	LKD	18.6	153	Medium	74.9%	61.6%	48.2%	Medium	84.1%	63.5%	46.3%
3B-02-08.2	Bed	10.2	88	Medium	75.8%	62.6%	48.6%	High	85.3%	66.7%	50.7%
3B-02-09.1	LKD	28.7	260	High	84.3%	78.4%	70.7%	High	89.9%	80.0%	70.7%
3B-02-09.2	Bed	5.2	30	High	83.9%	77.2%	68.9%	High	89.7%	80.3%	70.6%
3B-02-09.3	Bed	9.4	72	High	78.0%	68.0%	57.4%	High	87.1%	73.8%	60.8%
3B-02-10.1	LKD	27.1	253	High	82.6%	75.1%	65.9%	High	88.2%	76.7%	65.3%
3B-02-10.2	Bed	6.7	54	Medium	74.6%	61.8%	47.7%	Medium	83.7%	62.6%	45.7%
3B-02-10.3	Bed	10.9	88	Medium	67.1%	51.6%	34.8%	Medium	80.7%	55.9%	35.4%
3B-02-11.1	LKD	20.0	171	Minimum	57.6%	40.1%	18.1%	Minimum	65.2%	25.8%	6.4%
3B-02-11.2	Bed	10.1	80	Minimum	65.1%	49.1%	31.2%	Minimum	76.7%	47.1%	22.2%
3B-02-12.1	LKD	20.1	171	Minimum	53.4%	33.0%	13.0%	Minimum	61.6%	20.5%	6.2%
3B-02-12.2	Bed	10.1	80	Minimum	60.0%	44.5%	25.0%	Minimum	73.5%	41.9%	19.1%
3B-03-01.1	LKD	21.3	186	High	76.1%	65.2%	54.4%	High	85.5%	67.6%	53.5%
3B-03-01.2	Bed	6.7	54	Minimum	64.6%	49.2%	35.4%	Minimum	76.2%	48.3%	30.2%
3B-03-01.3	Bed	11.0	90	Fail	49.1%	28.3%	11.5%	Minimum	69.8%	37.5%	14.2%
3B-03-02.1	LKD	26.1	230	Medium	66.8%	52.8%	41.8%	Medium	78.2%	51.1%	36.2%
3B-03-02.2	Bed	11.4	99	Medium	70.6%	53.4%	33.1%	Medium	84.2%	59.0%	37.7%
3B-03-02.3	Bed	6.6	48	High	78.7%	67.1%	52.6%	High	88.8%	75.9%	59.2%
3B-03-03.1	LKD	32.8	306	Minimum	67.9%	49.8%	26.5%	Medium	80.5%	51.9%	22.8%
3B-03-03.2	Bed	13.4	110	Medium	69.5%	52.6%	30.8%	Medium	85.2%	62.8%	42.4%
3B-03-04.1	LKD	29.3	272	Medium	75.0%	60.4%	45.9%	Medium	82.2%	56.0%	32.5%

Block 3B - IS EN 17037:2018+A1:2021 Daylight Provision Room Schedule

Space ID	Description	Area m2	Sensor Count	Target Illuminance	300lux_50	500lux_50	750lux_50	Minimum Target Illuminance	100lux_95	300lux_95	500lux_95
3B-03-04.2	Bed	6.6	40	Medium	72.1%	56.0%	37.1%	Medium	85.5%	63.6%	43.9%
3B-03-04.3	Bed	11.2	96	Medium	71.7%	55.1%	35.3%	Medium	83.2%	57.6%	35.6%
3B-03-05.1	LKD	20.6	190	High	77.4%	64.8%	52.1%	Medium	83.8%	62.3%	43.9%
3B-03-05.2	Bed	11.8	102	High	79.3%	68.4%	56.8%	High	88.0%	74.8%	60.9%
3B-03-06.1	LKD	18.6	153	High	78.8%	67.6%	55.3%	High	85.6%	67.7%	52.1%
3B-03-06.2	Bed	10.2	88	High	76.9%	64.1%	50.9%	High	86.0%	68.4%	53.1%
3B-03-07.1	LKD	18.6	153	High	78.6%	67.1%	54.8%	High	85.7%	67.7%	52.3%
3B-03-07.2	Bed	10.2	88	High	76.9%	64.4%	51.2%	High	85.7%	67.9%	52.7%
3B-03-08.1	LKD	18.6	153	High	78.7%	67.6%	55.2%	High	85.7%	67.7%	52.2%
3B-03-08.2	Bed	10.2	88	High	76.5%	63.9%	50.7%	High	85.5%	67.3%	51.8%
3B-03-09.1	LKD	28.7	260	High	86.2%	80.7%	74.8%	High	91.1%	81.5%	74.2%
3B-03-09.2	Bed	5.2	30	High	84.2%	77.8%	69.9%	High	90.9%	81.6%	73.2%
3B-03-09.3	Bed	9.4	72	High	79.3%	69.5%	59.2%	High	87.5%	74.8%	63.1%
3B-03-10.1	LKD	27.1	253	High	84.1%	78.3%	70.1%	High	89.5%	79.7%	69.3%
3B-03-10.2	Bed	6.7	54	High	77.9%	66.8%	53.9%	High	86.4%	68.8%	53.1%
3B-03-10.3	Bed	10.9	88	Medium	71.0%	57.2%	41.7%	Medium	82.8%	61.6%	44.1%
3B-03-11.1	LKD	20.0	171	Medium	71.2%	57.3%	41.6%	Minimum	77.4%	47.7%	21.5%
3B-03-11.2	Bed	10.1	80	Medium	71.3%	57.2%	42.1%	Medium	81.3%	57.3%	38.1%
3B-03-12.1	LKD	20.1	171	Medium	68.8%	55.2%	39.0%	Minimum	76.3%	46.6%	21.2%
3B-03-12.2	Bed	10.1	80	Medium	67.1%	53.6%	38.0%	Medium	79.4%	54.5%	35.0%
3B-04-01.1	LKD	20.3	187	High	77.8%	67.6%	57.0%	High	84.3%	66.1%	51.4%
3B-04-01.2	Bed	11.6	96	High	77.9%	67.7%	57.7%	High	87.2%	73.5%	60.0%
3B-04-02.1	LKD	28.3	255	High	77.9%	67.8%	57.9%	High	86.4%	71.1%	58.1%
3B-04-02.2	Bed	11.6	96	High	74.5%	62.7%	51.7%	High	84.3%	66.1%	51.5%
3B-04-02.3	Bed	9.7	70	Medium	74.7%	57.7%	39.4%	Medium	82.0%	51.7%	25.0%

Table 30: Daylight provision individual values for all habitable rooms to IS EN 17037:2018+A1:2021

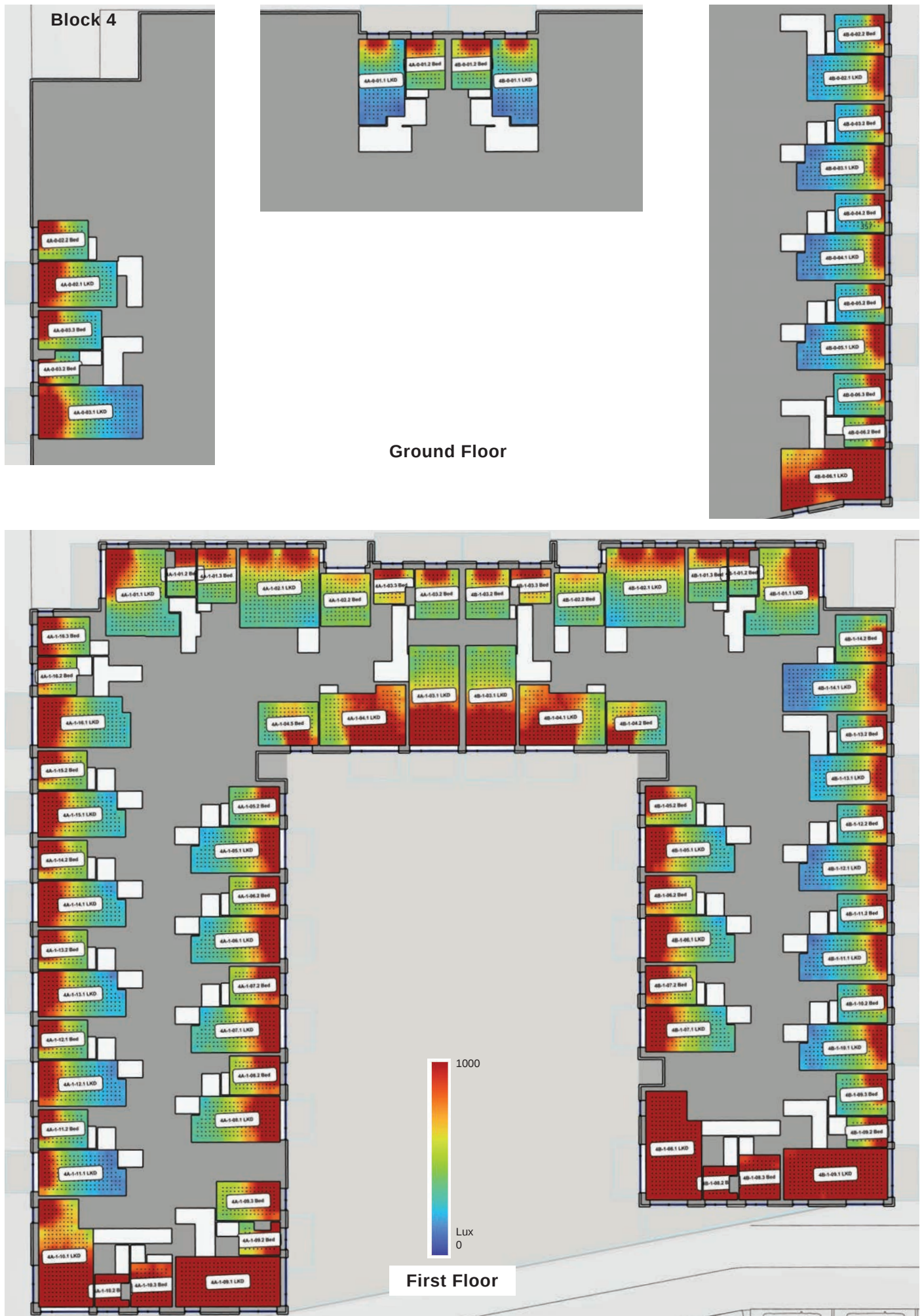
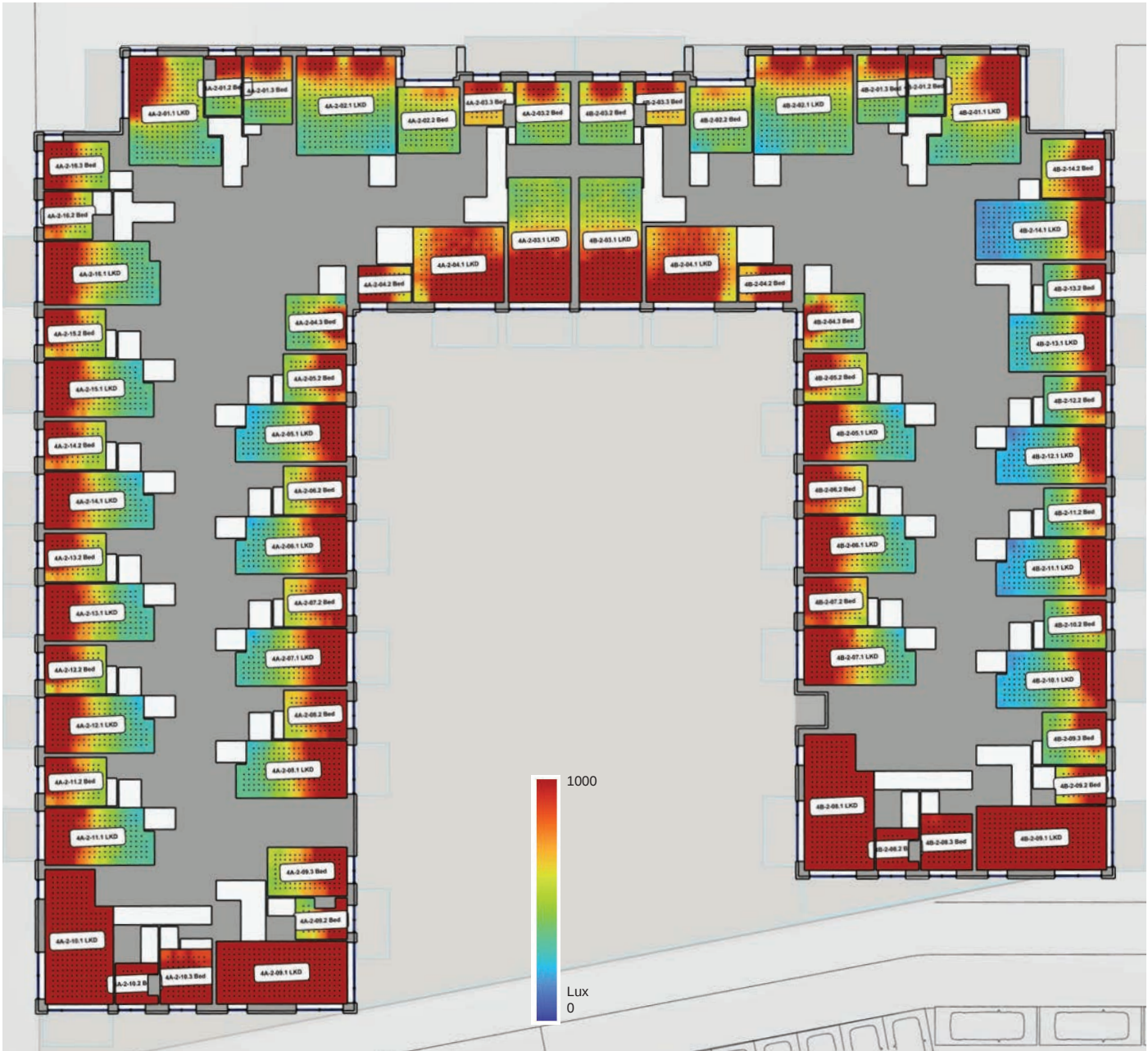


Figure 49: Block 4 - Daylight Provision and Annual Average Illuminance to all Habitable Rooms

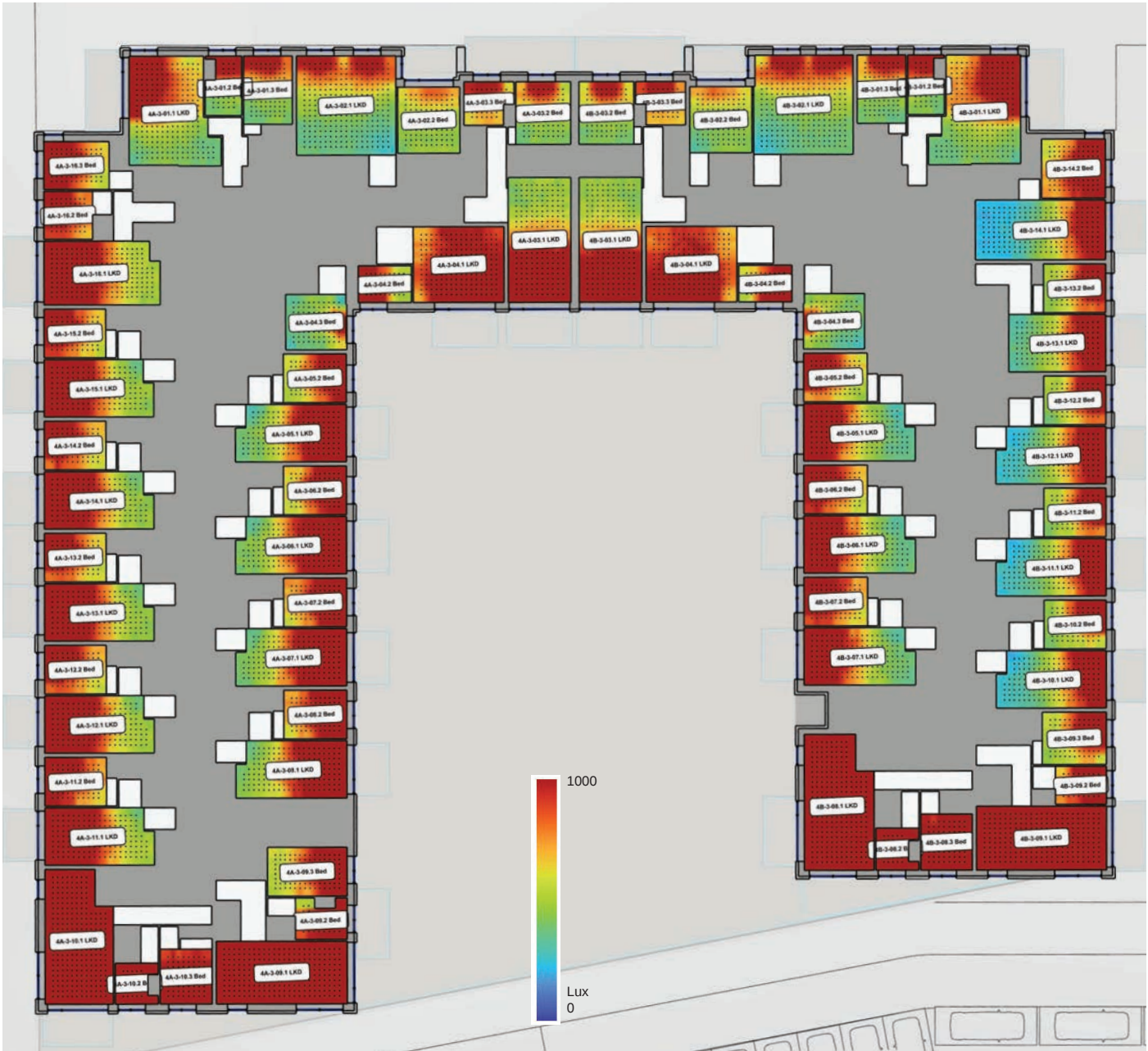
Block 4



Second Floor

Figure 50: Block 4 - Daylight Provision and Annual Average Illuminance to all Habitable Rooms

Block 4



Third Floor

Figure 51: Block 4 - Daylight Provision and Annual Average Illuminance to all Habitable Rooms

Block 4

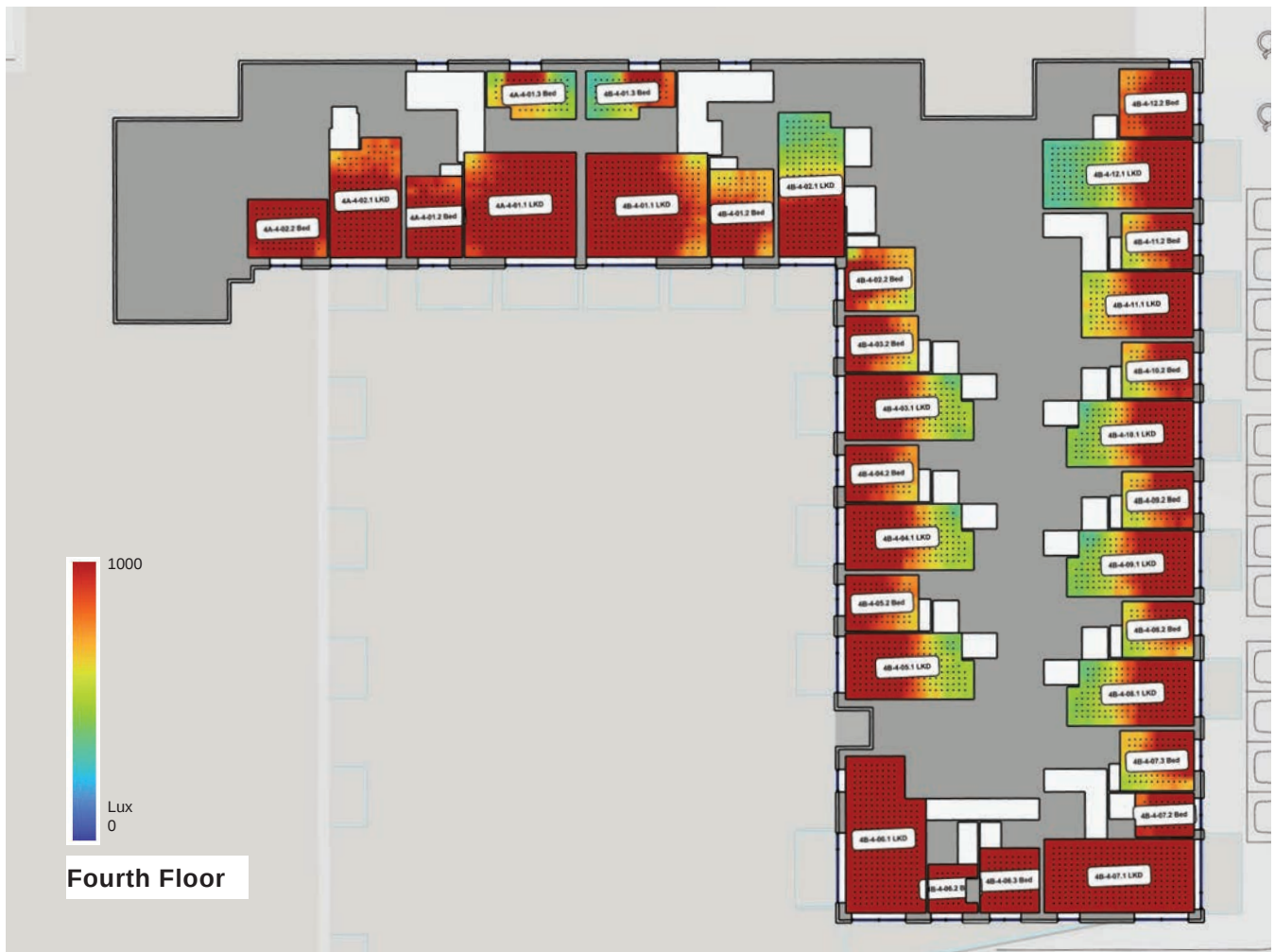


Figure 52: Block 4 - Daylight Provision and Annual Average Illuminance to all Habitable Rooms

Block 4A - IS EN 17037:2018+A1:2021 Daylight Provision Room Schedule

Space ID	Description	Area m2	Sensor Count	Target Illuminance	300lux_50	500lux_50	750lux_50	Minimum Target Illuminance	100lux_95	300lux_95	500lux_95
4A-0-01.1	LKD	19.5	162	Fail	38.3%	3.7%	0.0%	Minimum	59.9%	1.0%	0.0%
4A-0-01.2	Bed	10.1	80	Medium	70.6%	51.7%	26.0%	Medium	84.2%	56.8%	29.5%
4A-0-02.1	LKD	18.7	153	Minimum	56.4%	36.8%	18.4%	Minimum	69.3%	33.0%	10.5%
4A-0-02.2	Bed	10.1	80	Minimum	57.3%	39.5%	19.5%	Minimum	73.2%	37.9%	15.8%
4A-0-03.1	LKD	28.8	253	Fail	41.0%	16.6%	5.8%	Minimum	54.5%	9.3%	3.3%
4A-0-03.2	Bed	6.3	40	Minimum	56.3%	37.5%	17.3%	Minimum	71.9%	32.5%	12.2%
4A-0-03.3	Bed	12.8	112	Minimum	51.1%	30.8%	11.9%	Minimum	68.0%	27.7%	7.8%
4A-1-01.1	LKD	28.8	257	Minimum	64.5%	46.1%	23.4%	Minimum	79.8%	49.7%	19.0%
4A-1-01.2	Bed	6.5	40	Medium	69.4%	50.6%	28.3%	Medium	83.4%	56.0%	31.3%
4A-1-01.3	Bed	11.0	96	Medium	70.2%	51.8%	29.9%	Medium	83.5%	56.0%	31.7%
4A-1-02.1	LKD	32.5	289	Minimum	65.8%	45.5%	16.7%	Minimum	80.0%	48.7%	14.5%
4A-1-02.2	Bed	13.6	110	Minimum	66.4%	47.5%	20.3%	Medium	84.4%	58.6%	36.0%
4A-1-03.1	LKD	25.8	220	Minimum	62.9%	47.0%	35.6%	Minimum	75.7%	45.5%	29.8%
4A-1-03.2	Bed	11.3	90	Medium	69.5%	50.9%	28.4%	Medium	83.4%	56.8%	33.7%
4A-1-03.3	Bed	6.5	48	High	78.4%	65.7%	50.3%	High	88.0%	72.8%	55.2%
4A-1-04.1	LKD	24.5	219	Medium	68.1%	54.1%	40.8%	Minimum	76.8%	48.8%	33.8%
4A-1-04.5	Bed	13.5	117	Minimum	55.3%	37.8%	26.7%	Minimum	69.2%	34.3%	19.8%
4A-1-05.1	LKD	20.2	171	Minimum	52.5%	35.4%	19.6%	Minimum	63.9%	26.7%	7.0%
4A-1-05.2	Bed	10.2	88	Minimum	57.5%	41.1%	24.4%	Minimum	74.2%	42.8%	22.9%
4A-1-06.1	LKD	20.2	171	Minimum	58.1%	41.6%	23.8%	Minimum	69.3%	33.9%	11.1%
4A-1-06.2	Bed	10.1	88	Medium	65.3%	50.3%	34.0%	Medium	78.7%	51.1%	31.3%

Block 4A - IS EN 17037:2018+A1:2021 Daylight Provision Room Schedule

Space ID	Description	Area m2	Sensor Count	Target Illuminance	300lux_50	500lux_50	750lux_50	Minimum Target Illuminance	100lux_95	300lux_95	500lux_95
4A-1-07.1	LKD	20.2	171	Minimum	60.8%	45.0%	26.2%	Minimum	72.4%	37.8%	15.0%
4A-1-07.2	Bed	10.1	88	Medium	67.9%	52.6%	37.5%	Medium	80.5%	54.5%	34.5%
4A-1-08.1	LKD	20.2	171	Minimum	64.7%	49.7%	32.0%	Minimum	75.2%	42.1%	19.8%
4A-1-08.2	Bed	10.1	88	Medium	69.8%	55.3%	39.4%	Medium	81.6%	57.3%	37.1%
4A-1-09.1	LKD	27.1	240	High	83.3%	76.9%	67.7%	High	88.1%	76.5%	64.5%
4A-1-09.2	Bed	6.4	36	Medium	69.2%	56.2%	41.2%	Medium	78.8%	52.3%	29.1%
4A-1-09.3	Bed	12.8	112	Medium	67.1%	51.3%	33.4%	Medium	80.9%	54.6%	32.9%
4A-1-10.1	LKD	28.2	260	High	75.3%	64.0%	53.0%	Medium	83.9%	63.5%	49.5%
4A-1-10.2	Bed	5.1	30	High	82.8%	75.3%	66.1%	High	89.1%	77.6%	66.8%
4A-1-10.3	Bed	9.4	72	High	75.5%	64.4%	53.6%	High	84.8%	66.2%	52.2%
4A-1-11.1	LKD	19.9	162	Fail	37.6%	15.7%	5.8%	Minimum	52.1%	6.7%	2.2%
4A-1-11.2	Bed	9.9	80	Minimum	55.9%	35.1%	18.6%	Minimum	73.4%	33.9%	12.7%
4A-1-12.1	LKD	19.9	162	Fail	47.8%	25.6%	9.9%	Minimum	58.8%	14.8%	4.6%
4A-1-12.1	Bed	9.9	80	Minimum	62.6%	43.0%	24.0%	Minimum	76.9%	42.7%	19.6%
4A-1-13.1	LKD	19.9	162	Minimum	55.2%	35.1%	16.0%	Minimum	64.7%	22.6%	6.1%
4A-1-13.2	Bed	9.9	80	Minimum	66.5%	48.9%	31.3%	Medium	79.5%	50.0%	26.8%
4A-1-14.1	LKD	19.9	162	Minimum	58.0%	39.2%	20.3%	Minimum	67.9%	30.0%	7.2%
4A-1-14.2	Bed	9.9	80	Minimum	66.2%	49.5%	33.4%	Medium	79.5%	50.8%	29.8%
4A-1-15.1	LKD	19.9	162	Minimum	57.9%	39.3%	21.0%	Minimum	67.2%	31.1%	7.4%
4A-1-15.2	Bed	9.9	80	Minimum	65.3%	48.9%	32.4%	Minimum	78.1%	49.2%	27.7%
4A-1-16.1	LKD	23.7	223	Minimum	57.3%	39.2%	20.0%	Minimum	69.7%	35.4%	8.8%
4A-1-16.2	Bed	7.7	64	Medium	66.2%	50.7%	35.2%	Medium	80.3%	53.1%	34.4%
4A-1-16.3	Bed	10.3	88	Medium	71.7%	55.9%	41.1%	Medium	81.7%	55.2%	35.0%
4A-2-01.1	LKD	28.8	257	Minimum	66.8%	49.6%	29.8%	Medium	80.6%	52.1%	25.7%
4A-2-01.2	Bed	6.5	40	Medium	69.0%	50.3%	29.1%	Medium	84.5%	58.0%	35.8%
4A-2-01.3	Bed	11.0	96	Medium	72.1%	54.0%	34.1%	Medium	84.0%	57.7%	35.2%
4A-2-02.1	LKD	32.5	289	Minimum	66.8%	47.6%	21.9%	Medium	80.3%	50.5%	19.7%
4A-2-02.2	Bed	13.6	110	Minimum	68.1%	49.9%	25.3%	Medium	84.5%	59.4%	37.5%
4A-2-03.1	LKD	25.8	220	Medium	65.5%	50.8%	38.6%	Minimum	77.0%	48.4%	31.8%
4A-2-03.2	Bed	11.3	90	Medium	70.2%	51.9%	30.2%	Medium	84.0%	58.5%	36.8%
4A-2-03.3	Bed	6.5	48	High	78.3%	65.9%	50.5%	High	88.6%	75.0%	58.2%
4A-2-04.1	LKD	22.7	208	Medium	71.1%	58.1%	45.0%	Medium	83.2%	62.2%	46.6%
4A-2-04.2	Bed	6.5	45	Medium	73.2%	59.0%	46.4%	Medium	81.1%	57.0%	39.6%
4A-2-04.3	Bed	11.1	90	Minimum	54.5%	38.9%	23.3%	Minimum	73.0%	42.5%	24.6%
4A-2-05.1	LKD	20.2	171	Minimum	59.0%	43.3%	26.0%	Minimum	66.3%	31.3%	8.9%
4A-2-05.2	Bed	10.2	88	Medium	65.4%	51.9%	36.2%	Medium	78.2%	52.0%	32.8%
4A-2-06.1	LKD	20.2	171	Minimum	62.6%	48.5%	31.1%	Minimum	71.2%	38.6%	10.5%
4A-2-06.2	Bed	10.1	88	Medium	70.6%	56.8%	42.9%	Medium	81.9%	58.9%	41.3%
4A-2-07.1	LKD	20.2	171	Medium	65.6%	51.4%	35.5%	Minimum	75.1%	43.2%	17.9%
4A-2-07.2	Bed	10.1	88	Medium	73.1%	59.0%	45.6%	Medium	83.7%	62.1%	45.7%
4A-2-08.1	LKD	20.2	171	Medium	66.7%	52.4%	36.6%	Minimum	76.7%	46.1%	20.8%
4A-2-08.2	Bed	10.1	88	Medium	74.6%	61.0%	47.8%	Medium	83.9%	63.0%	47.1%
4A-2-09.1	LKD	27.1	240	High	84.2%	77.8%	69.2%	High	88.7%	77.9%	66.6%
4A-2-09.2	Bed	6.4	36	Medium	72.4%	58.9%	45.6%	Medium	80.8%	55.4%	36.6%
4A-2-09.3	Bed	12.8	112	Medium	70.5%	56.1%	41.3%	Medium	82.2%	57.9%	39.4%
4A-2-10.1	LKD	28.2	260	High	82.8%	75.9%	66.3%	High	88.3%	76.9%	64.9%
4A-2-10.2	Bed	5.1	30	High	83.4%	76.6%	68.2%	High	89.3%	79.5%	69.2%
4A-2-10.3	Bed	9.4	72	High	76.3%	65.5%	54.6%	High	85.6%	68.5%	54.5%
4A-2-11.1	LKD	19.9	162	Minimum	64.8%	49.4%	29.5%	Minimum	75.8%	41.6%	16.9%
4A-2-11.2	Bed	9.9	80	Medium	70.4%	54.6%	36.8%	Medium	81.8%	56.1%	34.2%

Block 4A - IS EN 17037:2018+A1:2021 Daylight Provision Room Schedule

Space ID	Description	Area m2	Sensor Count	Target Illuminance	300lux_50	500lux_50	750lux_50	Minimum Target Illuminance	100lux_95	300lux_95	500lux_95
4A-2-12.1	LKD	19.9	162	Minimum	64.1%	47.6%	28.0%	Minimum	73.6%	37.7%	12.2%
4A-2-12.2	Bed	9.9	80	Medium	69.7%	54.0%	36.2%	Medium	81.4%	55.5%	34.0%
4A-2-13.1	LKD	19.9	162	Minimum	64.4%	48.9%	30.3%	Minimum	74.2%	39.7%	13.1%
4A-2-13.2	Bed	9.9	80	Medium	70.0%	54.7%	38.3%	Medium	81.7%	56.5%	36.9%
4A-2-14.1	LKD	19.9	162	Minimum	63.6%	48.1%	29.7%	Minimum	72.6%	39.0%	11.6%
4A-2-14.2	Bed	9.9	80	Medium	70.4%	55.2%	38.9%	Medium	81.5%	56.4%	36.7%
4A-2-15.1	LKD	19.9	162	Minimum	63.5%	48.2%	30.1%	Minimum	74.2%	41.8%	15.7%
4A-2-15.2	Bed	9.9	80	Medium	68.9%	53.4%	38.3%	Medium	80.7%	55.8%	35.3%
4A-2-16.1	LKD	23.7	223	Minimum	63.1%	48.6%	30.6%	Minimum	75.7%	44.6%	19.3%
4A-2-16.2	Bed	7.7	64	Medium	73.1%	58.1%	44.2%	Medium	82.9%	59.9%	42.3%
4A-2-16.3	Bed	10.3	88	Medium	75.9%	60.7%	47.5%	Medium	83.9%	59.1%	40.8%
4A-3-01.1	LKD	28.8	257	Medium	71.3%	55.5%	39.6%	Medium	81.9%	55.7%	32.5%
4A-3-01.2	Bed	6.5	40	Medium	70.7%	52.4%	31.2%	Medium	84.0%	57.3%	35.0%
4A-3-01.3	Bed	11.0	96	Medium	71.8%	54.2%	35.0%	Medium	84.0%	57.9%	35.8%
4A-3-02.1	LKD	32.5	289	Minimum	67.4%	49.0%	25.1%	Medium	80.9%	51.9%	23.1%
4A-3-02.2	Bed	13.6	110	Medium	69.8%	52.0%	29.9%	Medium	85.5%	63.7%	42.3%
4A-3-03.1	LKD	25.8	220	Medium	67.7%	53.9%	42.4%	Medium	78.4%	51.3%	34.5%
4A-3-03.2	Bed	11.3	90	Medium	70.8%	53.2%	33.1%	Medium	84.5%	59.6%	37.7%
4A-3-03.3	Bed	6.5	48	High	78.9%	67.5%	52.4%	High	88.4%	74.4%	57.6%
4A-3-04.1	LKD	22.7	208	High	74.0%	62.1%	50.6%	High	84.5%	65.7%	51.4%
4A-3-04.2	Bed	6.5	45	Medium	68.7%	54.5%	42.4%	Medium	79.9%	54.2%	37.9%
4A-3-04.3	Bed	11.1	90	Minimum	51.6%	35.3%	17.8%	Minimum	73.1%	42.2%	22.0%
4A-3-05.1	LKD	20.2	171	Medium	70.0%	56.7%	43.9%	Minimum	77.0%	48.1%	25.1%
4A-3-05.2	Bed	10.2	88	Medium	69.8%	56.0%	44.3%	Medium	81.4%	58.5%	41.6%
4A-3-06.1	LKD	20.2	171	Medium	74.0%	60.2%	47.1%	Medium	78.7%	51.5%	29.7%
4A-3-06.2	Bed	10.1	88	Medium	75.2%	62.3%	49.7%	Medium	83.8%	63.0%	47.2%
4A-3-07.1	LKD	20.2	171	Medium	75.1%	62.0%	49.1%	Medium	79.5%	52.3%	31.6%
4A-3-07.2	Bed	10.1	88	High	76.6%	64.1%	51.0%	High	85.0%	66.0%	50.3%
4A-3-08.1	LKD	20.2	171	Medium	75.4%	62.2%	48.8%	Medium	80.2%	53.2%	32.9%
4A-3-08.2	Bed	10.1	88	High	77.2%	65.0%	51.8%	High	85.5%	67.3%	51.3%
4A-3-09.1	LKD	27.1	240	High	84.5%	78.6%	71.0%	High	89.2%	78.9%	68.8%
4A-3-09.2	Bed	6.4	36	High	79.3%	68.5%	57.2%	Medium	82.9%	60.7%	42.8%
4A-3-09.3	Bed	12.8	112	Medium	73.3%	59.2%	45.5%	Medium	83.2%	60.8%	42.9%
4A-3-10.1	LKD	28.2	260	High	85.7%	79.8%	73.0%	High	90.4%	81.0%	72.2%
4A-3-10.2	Bed	5.1	30	High	84.4%	78.1%	70.4%	High	90.6%	81.4%	72.9%
4A-3-10.3	Bed	9.4	72	High	77.5%	66.8%	55.9%	High	86.1%	70.1%	56.4%
4A-3-11.1	LKD	19.9	162	High	76.4%	64.0%	50.6%	Medium	82.1%	58.4%	38.9%
4A-3-11.2	Bed	9.9	80	High	76.5%	64.1%	50.2%	High	85.8%	66.3%	50.1%
4A-3-12.1	LKD	19.9	162	Medium	75.5%	62.8%	49.6%	Medium	81.4%	56.8%	36.0%
4A-3-12.2	Bed	9.9	80	Medium	74.8%	61.9%	47.7%	Medium	84.9%	64.5%	47.2%
4A-3-13.1	LKD	19.9	162	Medium	74.5%	61.5%	47.8%	Medium	80.5%	54.6%	33.1%
4A-3-13.2	Bed	9.9	80	Medium	73.9%	60.6%	46.0%	Medium	84.3%	63.2%	45.0%
4A-3-14.1	LKD	19.9	162	Medium	74.0%	61.0%	47.1%	Medium	80.2%	54.1%	32.6%
4A-3-14.2	Bed	9.9	80	Medium	73.8%	60.5%	46.3%	Medium	83.9%	62.7%	45.4%
4A-3-15.1	LKD	19.9	162	Medium	73.7%	60.4%	46.7%	Medium	80.5%	54.8%	34.4%
4A-3-15.2	Bed	9.9	80	Medium	74.0%	60.6%	46.4%	Medium	84.1%	63.3%	45.7%
4A-3-16.1	LKD	23.7	223	Medium	75.6%	62.3%	49.6%	Medium	82.3%	59.5%	41.3%
4A-3-16.2	Bed	7.7	64	High	77.5%	65.3%	52.2%	High	86.3%	68.3%	52.9%
4A-3-16.3	Bed	10.3	88	High	78.5%	67.1%	54.1%	High	85.9%	66.3%	50.4%
4A-4-01.1	LKD	29.1	272	High	77.3%	67.0%	56.2%	High	86.2%	69.9%	56.8%

Block 4A - IS EN 17037:2018+A1:2021 Daylight Provision Room Schedule

Space ID	Description	Area m2	Sensor Count	Target Illuminance	300lux_50	500lux_50	750lux_50	Minimum Target Illuminance	100lux_95	300lux_95	500lux_95
4A-4-01.2	Bed	11.3	96	High	76.4%	65.6%	54.9%	High	85.6%	68.4%	54.7%
4A-4-01.3	Bed	10.0	70	Medium	77.0%	61.6%	44.6%	Medium	85.1%	61.1%	39.4%
4A-4-02.1	LKD	20.5	170	High	78.1%	67.6%	57.8%	High	84.6%	66.6%	52.2%
4A-4-02.2	Bed	11.6	96	High	77.5%	67.1%	56.8%	High	86.7%	72.2%	59.1%

Table 31: Daylight provision individual values for all habitable rooms to IS EN 17037:2018+A1:2021

Block 4B - IS EN 17037:2018+A1:2021 Daylight Provision Room Schedule

Space ID	Description	Area m2	Sensor Count	Target Illuminance	300lux_50	500lux_50	750lux_50	Minimum Target Illuminance	100lux_95	300lux_95	500lux_95
4B-0-01.1	LKD	19.5	162	Fail	40.1%	4.1%	0.0%	Minimum	58.6%	1.2%	0.0%
4B-0-01.2	Bed	10.1	80	Medium	70.3%	52.5%	28.1%	Medium	82.6%	54.9%	26.0%
4B-0-02.1	LKD	18.4	153	Fail	46.6%	23.0%	5.3%	Minimum	62.4%	17.4%	3.5%
4B-0-02.2	Bed	10.0	80	Fail	48.4%	24.7%	5.2%	Minimum	68.4%	24.1%	4.7%
4B-0-03.1	LKD	20.0	171	Fail	38.9%	13.9%	4.6%	Minimum	52.6%	5.8%	1.7%
4B-0-03.2	Bed	10.0	80	Fail	44.5%	21.4%	3.9%	Minimum	65.2%	22.3%	3.5%
4B-0-04.1	LKD	20.0	171	Fail	38.7%	15.4%	4.9%	Minimum	52.8%	5.2%	2.0%
4B-0-04.2	Bed	10.0	80	Fail	43.1%	20.7%	4.2%	Minimum	64.5%	21.8%	3.7%
4B-0-05.1	LKD	20.0	171	Fail	43.7%	20.7%	6.1%	Minimum	54.8%	8.8%	3.0%
4B-0-05.2	Bed	10.0	80	Fail	42.9%	20.0%	5.2%	Minimum	65.2%	22.0%	4.5%
4B-0-06.1	LKD	29.1	250	High	76.8%	65.3%	55.4%	High	84.1%	64.0%	50.7%
4B-0-06.2	Bed	6.4	48	Minimum	63.0%	47.3%	29.1%	Minimum	76.7%	45.7%	21.0%
4B-0-06.3	Bed	11.1	88	Fail	49.3%	28.9%	9.6%	Minimum	68.7%	31.2%	9.6%
4B-1-01.1	LKD	28.8	257	Medium	67.4%	50.1%	28.9%	Minimum	78.3%	47.0%	18.7%
4B-1-01.2	Bed	6.5	40	Minimum	66.1%	49.2%	24.1%	Medium	81.1%	52.5%	25.2%
4B-1-01.3	Bed	11.0	96	Medium	68.7%	51.6%	29.1%	Medium	81.1%	53.7%	26.6%
4B-1-02.1	LKD	32.4	289	Minimum	64.0%	44.2%	16.1%	Minimum	78.1%	44.9%	7.5%
4B-1-02.2	Bed	13.6	110	Minimum	63.4%	43.2%	14.3%	Medium	80.4%	53.1%	23.1%
4B-1-03.1	LKD	25.8	220	Minimum	61.7%	46.0%	33.9%	Minimum	75.5%	45.1%	28.8%
4B-1-03.2	Bed	11.3	90	Medium	69.4%	51.1%	28.2%	Medium	83.4%	57.0%	33.5%
4B-1-03.3	Bed	6.5	48	High	78.3%	66.4%	50.9%	High	88.6%	74.5%	57.0%
4B-1-04.1	LKD	24.5	219	Medium	67.2%	53.3%	39.8%	Minimum	76.5%	49.1%	32.9%
4B-1-04.2	Bed	13.4	117	Minimum	54.9%	37.4%	25.6%	Minimum	66.0%	30.7%	16.4%
4B-1-05.1	LKD	20.3	171	Minimum	54.2%	35.3%	19.7%	Minimum	64.7%	28.2%	9.4%
4B-1-05.2	Bed	10.2	88	Minimum	58.4%	41.2%	25.5%	Minimum	75.5%	44.5%	25.7%
4B-1-06.1	LKD	20.3	171	Minimum	58.2%	40.2%	23.3%	Minimum	69.5%	33.0%	11.6%
4B-1-06.2	Bed	10.2	88	Medium	66.5%	50.6%	34.5%	Medium	80.6%	54.7%	33.4%
4B-1-07.1	LKD	20.3	171	Minimum	61.1%	44.9%	26.2%	Minimum	72.4%	36.7%	15.1%
4B-1-07.2	Bed	10.2	88	Medium	69.3%	53.7%	36.7%	Medium	81.5%	56.3%	34.9%
4B-1-08.1	LKD	29.1	272	High	83.2%	76.3%	67.2%	High	89.1%	77.7%	66.8%
4B-1-08.2	Bed	5.3	35	High	84.0%	77.0%	69.1%	High	89.5%	79.0%	69.1%
4B-1-08.3	Bed	9.6	72	High	76.6%	65.8%	55.0%	High	86.1%	69.5%	56.3%
4B-1-09.1	LKD	27.4	253	High	81.6%	73.6%	64.1%	High	87.1%	73.9%	61.6%
4B-1-09.2	Bed	6.4	48	Medium	71.3%	56.9%	42.8%	Medium	80.6%	54.5%	35.0%
4B-1-09.3	Bed	11.1	88	Minimum	58.3%	40.5%	21.2%	Minimum	75.2%	42.9%	17.4%
4B-1-10.1	LKD	20.0	171	Fail	48.4%	27.1%	7.1%	Minimum	59.8%	12.7%	3.1%
4B-1-10.2	Bed	10.0	80	Minimum	55.1%	36.1%	14.1%	Minimum	70.9%	36.6%	10.3%
4B-1-11.1	LKD	20.0	171	Fail	45.2%	22.7%	5.8%	Minimum	56.9%	6.5%	1.7%
4B-1-11.2	Bed	10.0	80	Minimum	56.0%	36.3%	15.5%	Minimum	70.7%	33.9%	8.0%

Block 4B - IS EN 17037:2018+A1:2021 Daylight Provision Room Schedule

Space ID	Description	Area m2	Sensor Count	Target Illuminance	300lux_50	500lux_50	750lux_50	Minimum Target Illuminance	100lux_95	300lux_95	500lux_95
4B-1-12.1	LKD	20.0	171	Fail	44.0%	20.9%	5.4%	Minimum	56.0%	6.2%	1.9%
4B-1-12.2	Bed	10.0	80	Minimum	57.0%	37.9%	16.9%	Minimum	72.5%	35.2%	9.5%
4B-1-13.1	LKD	18.4	153	Minimum	51.4%	31.1%	9.0%	Minimum	65.2%	23.5%	4.0%
4B-1-13.2	Bed	10.0	80	Minimum	59.0%	40.6%	20.2%	Minimum	74.4%	38.2%	12.4%
4B-1-14.1	LKD	25.7	230	Fail	39.8%	13.5%	4.5%	Minimum	55.4%	4.2%	0.0%
4B-1-14.2	Bed	12.5	110	Minimum	58.6%	39.2%	17.6%	Minimum	76.8%	43.2%	16.5%
4B-2-01.1	LKD	28.8	257	Medium	69.2%	53.2%	34.3%	Medium	79.2%	50.0%	22.8%
4B-2-01.2	Bed	6.5	40	Minimum	66.2%	49.9%	27.0%	Medium	82.2%	55.7%	32.5%
4B-2-01.3	Bed	11.0	96	Medium	69.2%	52.2%	31.1%	Medium	82.0%	55.6%	31.2%
4B-2-02.1	LKD	32.4	289	Minimum	66.2%	47.7%	22.1%	Minimum	79.1%	48.8%	16.9%
4B-2-02.2	Bed	13.6	110	Minimum	64.2%	45.0%	17.1%	Medium	81.2%	54.3%	26.8%
4B-2-03.1	LKD	25.8	220	Minimum	65.0%	50.0%	38.0%	Minimum	76.7%	47.9%	30.9%
4B-2-03.2	Bed	11.3	90	Medium	71.0%	53.2%	32.2%	Medium	84.1%	58.6%	36.8%
4B-2-03.3	Bed	6.5	48	High	78.8%	67.2%	52.3%	High	88.6%	75.1%	57.6%
4B-2-04.1	LKD	22.7	208	Medium	70.5%	56.8%	43.9%	Medium	82.9%	61.8%	45.8%
4B-2-04.2	Bed	6.5	45	High	75.2%	63.2%	51.1%	Medium	82.6%	60.2%	43.7%
4B-2-04.3	Bed	11.1	90	Minimum	55.5%	38.2%	23.8%	Minimum	73.7%	41.4%	24.0%
4B-2-05.1	LKD	20.3	171	Minimum	60.3%	43.7%	27.7%	Minimum	69.6%	35.9%	11.9%
4B-2-05.2	Bed	10.2	88	Minimum	64.3%	49.5%	34.3%	Medium	78.3%	50.9%	32.2%
4B-2-06.1	LKD	20.3	171	Minimum	64.0%	49.5%	32.6%	Minimum	73.2%	39.9%	15.9%
4B-2-06.2	Bed	10.2	88	Medium	71.3%	56.9%	42.3%	Medium	82.6%	60.2%	43.2%
4B-2-07.1	LKD	20.3	171	Medium	66.6%	52.2%	36.1%	Minimum	75.5%	43.6%	19.8%
4B-2-07.2	Bed	10.2	88	Medium	73.2%	59.0%	44.5%	Medium	84.2%	62.7%	45.0%
4B-2-08.1	LKD	29.1	272	High	83.9%	77.7%	69.0%	High	89.7%	79.4%	69.4%
4B-2-08.2	Bed	5.3	35	High	84.3%	77.9%	70.1%	High	90.2%	81.0%	72.4%
4B-2-08.3	Bed	9.6	72	High	78.2%	67.9%	57.5%	High	86.6%	72.3%	58.7%
4B-2-09.1	LKD	27.4	253	High	82.8%	76.1%	66.7%	High	88.1%	76.8%	65.5%
4B-2-09.2	Bed	6.4	48	Medium	76.0%	62.9%	49.4%	Medium	83.8%	62.8%	46.2%
4B-2-09.3	Bed	11.1	88	Minimum	64.9%	49.1%	30.5%	Medium	78.6%	50.3%	27.7%
4B-2-10.1	LKD	20.0	171	Minimum	56.7%	39.0%	17.0%	Minimum	65.1%	23.7%	5.2%
4B-2-10.2	Bed	10.0	80	Minimum	62.9%	46.1%	24.9%	Minimum	77.3%	46.8%	19.5%
4B-2-11.1	LKD	20.0	171	Minimum	53.0%	32.1%	9.5%	Minimum	63.5%	18.8%	4.1%
4B-2-11.2	Bed	10.0	80	Minimum	65.1%	48.6%	29.5%	Minimum	76.5%	45.0%	17.5%
4B-2-12.1	LKD	20.0	171	Minimum	52.4%	32.7%	8.9%	Minimum	63.5%	18.2%	3.8%
4B-2-12.2	Bed	10.0	80	Minimum	65.5%	48.7%	29.9%	Minimum	77.2%	45.4%	18.9%
4B-2-13.1	LKD	18.4	153	Minimum	57.7%	39.2%	16.9%	Minimum	71.0%	34.9%	6.0%
4B-2-13.2	Bed	10.0	80	Minimum	66.4%	49.9%	31.0%	Minimum	77.9%	47.2%	20.7%
4B-2-14.1	LKD	25.7	230	Fail	47.7%	21.9%	6.4%	Minimum	59.3%	7.2%	1.8%
4B-2-14.2	Bed	12.5	110	Medium	77.1%	64.2%	49.7%	Medium	84.2%	62.7%	44.3%
4B-3-01.1	LKD	28.8	257	Medium	72.2%	57.4%	41.2%	Medium	81.0%	54.0%	29.3%
4B-3-01.2	Bed	6.5	40	Medium	69.0%	53.1%	32.1%	Medium	82.8%	57.0%	34.6%
4B-3-01.3	Bed	11.0	96	Medium	71.1%	54.2%	34.4%	Medium	82.2%	56.5%	32.9%
4B-3-02.1	LKD	32.4	289	Minimum	67.3%	49.5%	25.8%	Medium	79.3%	50.3%	19.5%
4B-3-02.2	Bed	13.6	110	Minimum	67.6%	49.9%	24.2%	Medium	82.1%	56.4%	32.4%
4B-3-03.1	LKD	25.8	220	Medium	67.3%	53.4%	41.1%	Medium	78.5%	51.3%	35.0%
4B-3-03.2	Bed	11.3	90	Medium	71.1%	53.4%	32.8%	Medium	84.3%	59.0%	37.4%
4B-3-03.3	Bed	6.5	48	High	79.1%	68.3%	53.4%	High	88.8%	75.9%	59.5%
4B-3-04.1	LKD	22.7	208	Medium	73.1%	60.5%	47.8%	Medium	84.0%	64.8%	49.5%
4B-3-04.2	Bed	6.5	45	Medium	71.7%	57.8%	44.7%	Medium	81.5%	57.9%	40.7%
4B-3-04.3	Bed	11.1	90	Minimum	52.4%	33.9%	17.5%	Minimum	72.0%	40.5%	19.9%

Block 4B - IS EN 17037:2018+A1:2021 Daylight Provision Room Schedule											
Space ID	Description	Area m2	Sensor Count	Target Illuminance	300lux_50	500lux_50	750lux_50	Minimum Target Illuminance	100lux_95	300lux_95	500lux_95
4B-3-05.1	LKD	20.3	171	Medium	65.0%	50.6%	34.3%	Minimum	73.9%	42.4%	17.6%
4B-3-05.2	Bed	10.2	88	Medium	69.1%	54.7%	40.1%	Medium	82.1%	58.3%	39.2%
4B-3-06.1	LKD	20.3	171	Medium	68.3%	54.3%	38.6%	Minimum	77.0%	47.0%	22.6%
4B-3-06.2	Bed	10.2	88	Medium	74.2%	60.8%	46.8%	Medium	84.2%	63.6%	46.5%
4B-3-07.1	LKD	20.3	171	Medium	69.5%	55.3%	40.0%	Minimum	78.1%	49.5%	24.2%
4B-3-07.2	Bed	10.2	88	Medium	75.6%	62.7%	48.7%	Medium	85.0%	65.4%	48.7%
4B-3-08.1	LKD	29.1	272	High	84.7%	78.4%	70.7%	High	90.0%	80.3%	71.3%
4B-3-08.2	Bed	5.3	35	High	84.6%	78.4%	71.3%	High	90.0%	80.7%	71.6%
4B-3-08.3	Bed	9.6	72	High	79.3%	69.0%	59.4%	High	87.3%	74.3%	62.0%
4B-3-09.1	LKD	27.4	253	High	83.9%	77.4%	68.8%	High	88.9%	78.3%	67.4%
4B-3-09.2	Bed	6.4	48	High	78.1%	66.8%	53.2%	High	85.5%	67.9%	52.2%
4B-3-09.3	Bed	11.1	88	Medium	69.9%	55.0%	39.6%	Medium	81.6%	57.6%	38.3%
4B-3-10.1	LKD	20.0	171	Minimum	64.2%	48.3%	28.5%	Minimum	70.7%	34.7%	7.1%
4B-3-10.2	Bed	10.0	80	Medium	67.6%	51.9%	35.5%	Medium	80.3%	53.1%	30.5%
4B-3-11.1	LKD	20.0	171	Minimum	62.4%	45.9%	24.8%	Minimum	69.2%	32.4%	6.9%
4B-3-11.2	Bed	10.0	80	Medium	69.2%	54.1%	38.1%	Medium	81.3%	55.1%	32.6%
4B-3-12.1	LKD	20.0	171	Minimum	62.1%	45.2%	25.0%	Minimum	69.2%	32.5%	6.8%
4B-3-12.2	Bed	10.0	80	Medium	69.8%	54.4%	39.1%	Medium	80.8%	54.5%	32.3%
4B-3-13.1	LKD	18.4	153	Minimum	65.3%	50.0%	31.0%	Minimum	76.9%	46.3%	18.9%
4B-3-13.2	Bed	10.0	80	Medium	70.1%	54.9%	39.3%	Medium	81.6%	55.8%	33.9%
4B-3-14.1	LKD	25.7	230	Minimum	55.5%	34.7%	12.4%	Minimum	65.9%	21.0%	5.3%
4B-3-14.2	Bed	12.5	110	High	78.2%	66.3%	53.0%	High	86.0%	67.4%	50.9%
4B-4-01.1	LKD	31.3	304	High	76.0%	65.4%	54.4%	High	84.4%	66.2%	52.5%
4B-4-01.2	Bed	13.9	117	Medium	68.8%	55.9%	44.7%	Medium	82.7%	61.1%	46.1%
4B-4-01.3	Bed	9.6	66	Medium	73.9%	56.8%	37.9%	Medium	81.6%	51.6%	23.9%
4B-4-02.1	LKD	23.1	192	Minimum	64.7%	49.5%	36.3%	Minimum	74.8%	43.7%	27.8%
4B-4-02.2	Bed	11.1	90	Medium	67.9%	53.7%	38.6%	Medium	82.6%	60.2%	43.4%
4B-4-03.1	LKD	20.3	171	Medium	74.0%	61.0%	47.9%	Medium	81.0%	56.3%	36.0%
4B-4-03.2	Bed	10.2	88	Medium	74.9%	61.4%	48.7%	Medium	84.4%	64.4%	48.5%
4B-4-04.1	LKD	20.3	171	Medium	74.8%	62.3%	49.1%	Medium	82.0%	58.4%	37.6%
4B-4-04.2	Bed	10.2	88	High	76.3%	64.1%	51.1%	High	85.8%	66.8%	51.7%
4B-4-05.1	LKD	20.3	171	High	76.4%	64.0%	50.9%	Medium	82.0%	58.3%	37.5%
4B-4-05.2	Bed	10.2	88	High	76.7%	64.8%	51.8%	High	86.2%	67.6%	52.1%
4B-4-06.1	LKD	29.1	272	High	86.3%	80.3%	73.8%	High	91.2%	81.8%	74.1%
4B-4-06.2	Bed	5.3	35	High	84.5%	78.1%	70.8%	High	91.1%	82.0%	73.8%
4B-4-06.3	Bed	9.6	72	High	79.3%	68.7%	59.4%	High	87.4%	74.5%	62.6%
4B-4-07.1	LKD	27.4	253	High	85.0%	79.2%	72.3%	High	89.9%	80.1%	71.0%
4B-4-07.2	Bed	6.4	48	High	79.7%	69.4%	58.8%	High	87.0%	71.9%	58.4%
4B-4-07.3	Bed	11.1	88	Medium	72.9%	59.2%	44.4%	Medium	84.1%	63.9%	46.6%
4B-4-08.1	LKD	20.0	171	Medium	74.5%	61.2%	47.5%	Medium	80.4%	54.0%	29.8%
4B-4-08.2	Bed	10.0	80	Medium	72.1%	58.7%	43.7%	Medium	83.3%	61.3%	43.1%
4B-4-09.1	LKD	20.0	171	Medium	74.9%	61.7%	48.1%	Medium	80.3%	53.5%	27.7%
4B-4-09.2	Bed	10.0	80	Medium	75.3%	61.9%	48.0%	Medium	84.1%	63.6%	46.7%
4B-4-10.1	LKD	20.0	171	Medium	74.0%	60.8%	46.9%	Medium	80.5%	53.5%	29.7%
4B-4-10.2	Bed	10.0	80	Medium	75.3%	61.7%	47.9%	Medium	83.9%	63.3%	46.0%
4B-4-11.1	LKD	18.4	153	High	77.1%	64.8%	52.3%	Medium	84.1%	63.6%	46.0%
4B-4-11.2	Bed	10.0	80	Medium	75.2%	61.8%	48.1%	Medium	84.3%	64.2%	47.1%
4B-4-12.1	LKD	25.7	230	Medium	66.4%	51.1%	30.1%	Minimum	77.4%	45.7%	17.8%
4B-4-12.2	Bed	12.5	110	High	80.2%	70.1%	58.8%	High	87.6%	73.5%	59.2%

Table 32: Daylight provision individual values for all habitable rooms to IS EN 17037:2018+A1:2021



Figure 53: Blocks 5 & 6 - Floor plans indicating Daylight Provision to BS EN 17037:2018+A1:2021

Blocks 5 & 6 - IS EN 17037:2018+A1:2021 Daylight Provision Room Schedule											
Space ID	Description	Area m2	Sensor Count	Target Illuminance	300lux_50	500lux_50	750lux_50	Minimum Target Illuminance	100lux_95	300lux_95	500lux_95
H04.1	LKD	29.4	254	High	75.9%	63.7%	52.1%	High	85.8%	67.6%	53.2%
H04.2	Bed	6.6	40	Minimum	64.3%	41.9%	11.8%	Minimum	77.4%	36.9%	2.0%
H04.3	Bed	10.3	75	High	74.9%	63.1%	52.4%	High	85.2%	66.5%	52.6%
H04.4	Bed	8.0	63	Medium	76.3%	59.8%	42.1%	Medium	86.2%	65.4%	45.1%
H05.1	LKD	29.4	254	Medium	76.0%	62.1%	48.4%	High	85.8%	66.4%	51.3%
H05.2	Bed	6.6	40	Medium	68.0%	54.1%	42.0%	Medium	77.9%	52.0%	35.5%
H05.3	Bed	10.3	75	Medium	72.1%	54.6%	34.7%	Medium	85.3%	61.7%	40.2%
H05.4	Bed	8.0	63	High	78.7%	68.5%	58.2%	High	86.6%	71.6%	58.0%

Table 33: Daylight provision individual values for all habitable rooms to IS EN 17037:2018+A1:2021

Appendix C - Sunlight Hours to Habitable Rooms Within the Proposed Development

Sunlight Hours Apartments Block 1				
Unit ID	Room Use	Habitable Rm With Window 90° south	No Sunlight Hours on 21st March	EN17037:2018 Level of exposure to Sunlight
1-01-01.1	LKD	Yes	1.5	Minimum
1-01-02.1	LKD	Yes	1.9	Minimum
1-01-03.1	LKD	Yes	2.2	Minimum
1-01-04.1	LKD	Yes	9.3	High
1-01-05.1	LKD	Yes	9.3	High
1-01-06.1	LKD	No	5.0	High
1-01-07.1	LKD	No	4.8	High
1-01-08.1	LKD	No	5.1	High
1-02-01.1	LKD	Yes	2.1	Minimum
1-02-02.1	LKD	Yes	2.5	Minimum
1-02-03.1	LKD	Yes	2.8	Minimum
1-02-04.1	LKD	Yes	9.3	High
1-02-05.1	LKD	Yes	9.3	High
1-02-06.1	LKD	No	5.0	High
1-02-07.1	LKD	No	4.8	High
1-02-08.1	LKD	No	5.2	High
1-03-01.1	LKD	Yes	2.8	Minimum
1-03-02.1	LKD	Yes	3.2	Medium
1-03-03.1	LKD	Yes	3.4	Medium
1-03-04.1	LKD	Yes	9.3	High
1-03-05.1	LKD	Yes	9.3	High
1-03-06.1	LKD	No	5.0	High
1-03-07.1	LKD	No	4.8	High
1-03-08.1	LKD	No	5.2	High
1-04-01.1	LKD	Yes	3.6	Medium
1-04-02.1	LKD	Yes	4.0	High
1-04-03.1	LKD	Yes	4.3	High
1-04-04.1	LKD	Yes	9.3	High
1-04-05.1	LKD	Yes	9.3	High
1-04-06.1	LKD	No	5.0	High
1-04-07.1	LKD	No	4.8	High
1-04-08.1	LKD	No	5.2	High
1-05-01.1	LKD	Yes	4.6	High
1-05-02.1	LKD	Yes	4.9	High
1-05-03.1	LKD	Yes	5.3	High
1-05-04.1	LKD	Yes	9.3	High
1-05-05.1	LKD	Yes	9.3	High
1-05-06.1	LKD	No	5.0	High
1-05-07.1	LKD	No	4.8	High
1-05-08.1	LKD	No	5.2	High
1-06-01.1	LKD	Yes	4.7	High
1-06-02.1	LKD	Yes	5.1	High
1-06-03.1	LKD	Yes	5.3	High
1-06-04.1	LKD	Yes	9.3	High
1-06-05.1	LKD	Yes	9.3	High
1-06-06.1	LKD	No	5.0	High
1-06-07.1	LKD	No	4.8	High
1-06-08.1	LKD	No	5.2	High
1-07-01.1	LKD	Yes	5.0	High
1-07-02.1	LKD	Yes	5.3	High

Sunlight Hours Apartments Block 1				
Unit ID	Room Use	Habitable Rm With Window 90° south	No Sunlight Hours on 21st March	EN17037:2018 Level of exposure to Sunlight
1-07-03.1	LKD	Yes	5.3	High
1-07-04.1	LKD	Yes	9.3	High
1-07-05.1	LKD	Yes	9.3	High
1-07-06.1	LKD	No	5.0	High
1-07-07.1	LKD	No	5.0	High
1-07-08.1	LKD	No	5.2	High
1-08-01.1	LKD	Yes	5.4	High
1-08-02.1	LKD	Yes	5.3	High
1-08-03.1	LKD	Yes	5.3	High
1-08-04.1	LKD	Yes	9.3	High
1-08-05.1	LKD	Yes	9.3	High
1-08-06.1	LKD	No	5.0	High
1-08-07.1	LKD	No	5.0	High
1-08-08.1	LKD	No	5.2	High

Table 34: Sunlight Hours

Sunlight Hours Apartments Block 2A				
Unit ID	Room Use	Habitable Rm With Window 90° south	No Sunlight Hours on 21st March	EN17037:2018 Level of exposure to Sunlight
2A-00-01.1	LKD	No	0.0	Below criteria
2A-00-02.1	LKD	No	0.0	Below criteria
2A-00-03.1	LKD	Yes	0.1	Below criteria
2A-00-04.1	LKD	Yes	0.1	Below criteria
2A-00-05.1	LKD	Yes	0.4	Below criteria
2A-00-06.1	LKD	Yes	0.0	Below criteria
2A-00-07.1	LKD	Yes	9.3	High
2A-00-08.1	LKD	No	2.8	Minimum
2A-00-09.1	LKD	No	0.8	Below criteria
2A-01-01.1	LKD	No	0.0	Below criteria
2A-01-02.1	LKD	No	0.0	Below criteria
2A-01-03.1	LKD	No	0.0	Below criteria
2A-01-04.1	LKD	No	0.0	Below criteria
2A-01-05.1	LKD	Yes	0.0	Below criteria
2A-01-06.1	LKD	Yes	0.1	Below criteria
2A-01-07.1	LKD	Yes	2.9	Minimum
2A-01-08.2	Bed	Yes	1.4	Below criteria
2A-01-09.1	LKD	Yes	9.3	High
2A-01-10.1	LKD	Yes	9.3	High
2A-01-11.1	LKD	No	2.8	Minimum
2A-01-12.1	LKD	No	1.9	Minimum
2A-01-13.1	LKD	No	1.3	Below criteria
2A-01-14.1	LKD	No	0.8	Below criteria
2A-02-01.1	LKD	No	0.0	Below criteria
2A-02-02.1	LKD	No	0.0	Below criteria
2A-02-03.1	LKD	No	0.0	Below criteria
2A-02-04.1	LKD	No	0.0	Below criteria
2A-02-05.1	LKD	Yes	0.0	Below criteria
2A-02-06.1	LKD	Yes	0.1	Below criteria
2A-02-07.1	LKD	Yes	3.6	Medium

Sunlight Hours Apartments Block 2A				
Unit ID	Room Use	Habitable Rm With Window 90° south	No Sunlight Hours on 21st March	EN17037:2018 Level of exposure to Sunlight
2A-02-08.2	Bed	Yes	3.2	Medium
2A-02-09.1	LKD	Yes	9.3	High
2A-02-10.1	LKD	Yes	9.3	High
2A-02-11.1	LKD	No	2.8	Minimum
2A-02-12.1	LKD	No	1.9	Minimum
2A-02-13.1	LKD	No	1.3	Below criteria
2A-02-14.1	LKD	No	0.9	Below criteria
2A-03-01.1	LKD	No	0.0	Below criteria
2A-03-02.1	LKD	No	0.0	Below criteria
2A-03-03.1	LKD	No	0.0	Below criteria
2A-03-04.1	LKD	No	0.0	Below criteria
2A-03-05.1	LKD	Yes	0.8	Below criteria
2A-03-06.1	LKD	Yes	4.6	High
2A-03-07.1	LKD	Yes	4.6	High
2A-03-08.1	LKD	Yes	2.6	Minimum
2A-03-09.1	LKD	Yes	9.3	High
2A-03-10.1	LKD	Yes	9.3	High
2A-03-11.1	LKD	No	3.2	Medium
2A-03-12.1	LKD	No	2.1	Minimum
2A-03-13.1	LKD	No	1.6	Minimum
2A-03-14.1	LKD	No	1.4	Below criteria
2A-04-01.1	LKD	Yes	8.8	High
2A-04-02.1	LKD	Yes	5.4	High
2A-04-03.1	LKD	Yes	5.3	High
2A-04-04.1	LKD	Yes	5.3	High
2A-04-05.1	LKD	Yes	9.3	High
2A-04-06.1	LKD	Yes	9.3	High
2A-04-07.1	LKD	No	3.2	Medium
2A-04-08.1	LKD	No	2.2	Minimum
2A-04-09.1	LKD	No	1.8	Minimum
2A-04-10.1	LKD	No	1.8	Minimum

Table 35: Sunlight Hours

Sunlight Hours Apartments Block 2B				
Unit ID	Room Use	Habitable Rm With Window 90° south	No Sunlight Hours on 21st March	EN17037:2018 Level of exposure to Sunlight
2B-00-01.1	LKD	No	0.0	Below criteria
2B-00-02.1	LKD	No	0.0	Below criteria
2B-00-03.1	LKD	Yes	0.0	Below criteria
2B-00-04.1	LKD	Yes	0.0	Below criteria
2B-00-05.1	LKD	No	0.4	Below criteria
2B-00-06.1	LKD	No	0.0	Below criteria
2B-00-07.1	LKD	Yes	9.0	High
2B-00-08.1	LKD	Yes	2.0	Minimum
2B-00-09.1	LKD	Yes	4.9	High
2B-01-01.1	LKD	No	0.0	Below criteria
2B-01-02.1	LKD	No	0.0	Below criteria
2B-01-03.1	LKD	No	0.0	Below criteria
2B-01-04.1	LKD	No	0.0	Below criteria

Sunlight Hours Apartments Block 2B				
Unit ID	Room Use	Habitable Rm With Window 90° south	No Sunlight Hours on 21st March	EN17037:2018 Level of exposure to Sunlight
2B-01-05.1	LKD	Yes	0.0	Below criteria
2B-01-06.1	LKD	Yes	0.3	Below criteria
2B-01-07.1	LKD	No	2.2	Minimum
2B-01-08.2	Bed	No	1.2	Below criteria
2B-01-09.1	LKD	Yes	9.0	High
2B-01-10.1	LKD	Yes	9.0	High
2B-01-11.1	LKD	Yes	3.7	Medium
2B-01-12.1	LKD	Yes	4.9	High
2B-01-13.1	LKD	Yes	4.9	High
2B-01-14.1	LKD	Yes	5.0	High
2B-02-01.1	LKD	No	0.0	Below criteria
2B-02-02.1	LKD	No	0.0	Below criteria
2B-02-03.1	LKD	No	0.0	Below criteria
2B-02-04.1	LKD	No	0.0	Below criteria
2B-02-05.1	LKD	Yes	0.1	Below criteria
2B-02-06.1	LKD	Yes	0.3	Below criteria
2B-02-07.1	LKD	No	2.8	Minimum
2B-02-08.2	Bed	No	2.6	Minimum
2B-02-09.1	LKD	Yes	9.0	High
2B-02-10.1	LKD	Yes	9.0	High
2B-02-11.1	LKD	Yes	5.2	High
2B-02-12.1	LKD	Yes	5.2	High
2B-02-13.1	LKD	Yes	5.2	High
2B-02-14.1	LKD	Yes	5.2	High
2B-03-01.1	LKD	No	0.0	Below criteria
2B-03-02.1	LKD	No	0.0	Below criteria
2B-03-03.1	LKD	No	0.0	Below criteria
2B-03-04.1	LKD	No	0.0	Below criteria
2B-03-05.1	LKD	Yes	1.9	Minimum
2B-03-06.1	LKD	Yes	5.6	High
2B-03-07.1	LKD	No	3.4	Medium
2B-03-08.1	LKD	No	3.4	Medium
2B-03-09.1	LKD	Yes	9.0	High
2B-03-10.1	LKD	Yes	9.0	High
2B-03-11.1	LKD	Yes	5.2	High
2B-03-12.1	LKD	Yes	5.2	High
2B-03-13.1	LKD	Yes	5.2	High
2B-03-14.1	LKD	Yes	5.2	High
2B-04-01.1	LKD	Yes	8.9	High
2B-04-02.1	LKD	Yes	8.3	High

Table 36: Sunlight Hours

Sunlight Hours Apartments Block 2C				
Unit ID	Room Use	Habitable Rm With Window 90° south	No Sunlight Hours on 21st March	EN17037:2018 Level of exposure to Sunlight
H01.1	LKD	Yes	5.3	High
H02.1	LKD	Yes	5.2	High
H03.1	LKD	Yes	5.2	High

Table 37: Sunlight Hours

Sunlight Hours Apartments Block 3A				
Unit ID	Room Use	Habitable Rm With Window 90° south	No Sunlight Hours on 21st March	EN17037:2018 Level of exposure to Sunlight
3A-00-01.2	Bed	Yes	2.0	Minimum
3A-00-02.1	LKD	Yes	0.2	Below criteria
3A-00-03.1	LKD	No	1.4	Below criteria
3A-00-04.1	LKD	No	1.4	Below criteria
3A-00-05.1	LKD	No	2.2	Minimum
3A-00-06.1	LKD	No	3.1	Medium
3A-00-07.1	LKD	Yes	7.7	High
3A-00-08.1	LKD	Yes	1.3	Below criteria
3A-00-09.1	LKD	Yes	4.2	High
3A-00-10.1	LKD	Yes	2.9	Minimum
3A-00-11.1	LKD	Yes	2.4	Minimum
3A-01-01.2	Bed	Yes	2.8	Minimum
3A-01-02.1	LKD	Yes	0.0	Below criteria
3A-01-03.1	LKD	No	0.0	Below criteria
3A-01-04.1	LKD	No	0.0	Below criteria
3A-01-05.1	LKD	No	1.8	Minimum
3A-01-06.1	LKD	No	1.8	Minimum
3A-01-07.1	LKD	No	1.8	Minimum
3A-01-08.1	LKD	No	2.2	Minimum
3A-01-09.1	LKD	No	3.1	Medium
3A-01-10.1	LKD	Yes	9.3	High
3A-01-11.1	LKD	Yes	9.3	High
3A-01-12.1	LKD	Yes	4.2	High
3A-01-13.1	LKD	Yes	3.0	Medium
3A-01-14.1	LKD	Yes	3.0	Medium
3A-02-01.2	Bed	Yes	2.8	Minimum
3A-02-02.1	LKD	Yes	0.0	Below criteria
3A-02-03.1	LKD	No	0.0	Below criteria
3A-02-04.1	LKD	No	0.0	Below criteria
3A-02-05.1	LKD	No	2.3	Minimum
3A-02-06.1	LKD	No	2.3	Minimum
3A-02-07.1	LKD	No	2.3	Minimum
3A-02-08.1	LKD	No	2.3	Minimum
3A-02-09.1	LKD	No	3.1	Medium
3A-02-10.1	LKD	Yes	9.3	High
3A-02-11.1	LKD	Yes	9.3	High
3A-02-12.1	LKD	Yes	4.2	High
3A-02-13.1	LKD	Yes	3.6	Medium
3A-02-14.1	LKD	Yes	3.6	Medium
3A-03-01.2	Bed	Yes	1.3	Below criteria
3A-03-02.1	LKD	Yes	0.8	Below criteria
3A-03-03.1	LKD	No	0.0	Below criteria
3A-03-04.1	LKD	No	0.4	Below criteria
3A-03-05.1	LKD	No	3.4	Medium
3A-03-06.1	LKD	No	3.3	Medium
3A-03-07.1	LKD	No	3.2	Medium
3A-03-08.1	LKD	No	3.2	Medium
3A-03-09.1	LKD	No	3.3	Medium
3A-03-10.1	LKD	Yes	9.3	High
3A-03-11.1	LKD	Yes	9.3	High

Sunlight Hours Apartments Block 3A				
Unit ID	Room Use	Habitable Rm With Window 90° south	No Sunlight Hours on 21st March	EN17037:2018 Level of exposure to Sunlight
3A-03-12.1	LKD	Yes	4.6	High
3A-03-13.1	LKD	Yes	4.6	High
3A-03-14.1	LKD	Yes	4.6	High
3A-04-01.1	LKD	Yes	5.5	High
3A-04-02.1	LKD	Yes	8.9	High
3A-04-03.1	LKD	No	4.2	High
3A-04-04.1	LKD	No	4.0	High
3A-04-05.1	LKD	No	4.0	High
3A-04-06.1	LKD	No	4.0	High
3A-04-07.1	LKD	No	4.0	High
3A-04-08.1	LKD	Yes	9.3	High
3A-04-09.1	LKD	Yes	9.3	High
3A-04-10.1	LKD	Yes	5.3	High
3A-04-11.1	LKD	Yes	5.3	High
3A-04-12.1	LKD	Yes	5.3	High

Table 38: Sunlight Hours

Sunlight Hours Apartments Block 3B				
Unit ID	Room Use	Habitable Rm With Window 90° south	No Sunlight Hours on 21st March	EN17037:2018 Level of exposure to Sunlight
3B-00-01.1	LKD	Yes	0.0	Below criteria
3B-00-02.2	Bed	Yes	2.1	Minimum
3B-00-03.1	LKD	No	1.8	Minimum
3B-00-04.1	LKD	No	2.1	Minimum
3B-00-05.1	LKD	Yes	8.3	High
3B-00-06.1	LKD	Yes	7.8	High
3B-00-07.1	LKD	Yes	4.4	High
3B-00-08.1	LKD	Yes	4.3	High
3B-00-09.1	LKD	Yes	4.6	High
3B-01-01.2	Bed	Yes	2.8	Minimum
3B-01-02.1	LKD	Yes	0.0	Below criteria
3B-01-03.1	LKD	No	0.0	Below criteria
3B-01-04.1	LKD	Yes	1.5	Minimum
3B-01-05.1	LKD	Yes	4.5	High
3B-01-06.1	LKD	Yes	4.8	High
3B-01-07.1	LKD	Yes	4.8	High
3B-01-08.1	LKD	Yes	4.8	High
3B-01-09.1	LKD	Yes	9.0	High
3B-01-10.1	LKD	Yes	9.0	High
3B-01-11.1	LKD	No	2.4	Minimum
3B-01-12.1	LKD	No	2.3	Minimum
3B-02-01.2	Bed	Yes	3.6	Medium
3B-02-02.1	LKD	Yes	0.1	Below criteria
3B-02-03.1	LKD	No	0.0	Below criteria
3B-02-04.1	LKD	Yes	2.3	Minimum
3B-02-05.1	LKD	Yes	5.2	High
3B-02-06.1	LKD	Yes	5.2	High
3B-02-07.1	LKD	Yes	5.2	High
3B-02-08.1	LKD	Yes	5.2	High

Sunlight Hours Apartments Block 3B				
Unit ID	Room Use	Habitable Rm With Window 90° south	No Sunlight Hours on 21st March	EN17037:2018 Level of exposure to Sunlight
3B-02-09.1	LKD	Yes	9.0	High
3B-02-10.1	LKD	Yes	9.0	High
3B-02-11.1	LKD	No	2.9	Minimum
3B-02-12.1	LKD	No	2.9	Minimum
3B-03-01.2	Bed	Yes	1.3	Below criteria
3B-03-02.1	LKD	Yes	2.0	Minimum
3B-03-03.1	LKD	No	0.0	Below criteria
3B-03-04.1	LKD	Yes	2.3	Minimum
3B-03-05.1	LKD	Yes	5.2	High
3B-03-06.1	LKD	Yes	5.2	High
3B-03-07.1	LKD	Yes	5.2	High
3B-03-08.1	LKD	Yes	5.2	High
3B-03-09.1	LKD	Yes	9.0	High
3B-03-10.1	LKD	Yes	9.0	High
3B-03-11.1	LKD	No	3.5	Medium
3B-03-12.1	LKD	No	3.5	Medium
3B-04-01.1	LKD	Yes	8.6	High
3B-04-02.1	LKD	Yes	9.3	High

Table 39: Sunlight Hours

Sunlight Hours Apartments Block 4A				
Unit ID	Room Use	Habitable Rm With Window 90° south	No Sunlight Hours on 21st March	EN17037:2018 Level of exposure to Sunlight
4A-0-01.1	LKD	No	0.0	Below criteria
4A-0-02.1	LKD	No	2.8	Minimum
4A-0-03.2	Bed	No	1.3	Below criteria
4A-1-01.1	LKD	No	0.0	Below criteria
4A-1-02.1	LKD	No	0.0	Below criteria
4A-1-03.1	LKD	Yes	0.0	Below criteria
4A-1-04.2	Bed	Yes	2.7	Minimum
4A-1-05.1	LKD	Yes	2.3	Minimum
4A-1-06.1	LKD	Yes	2.3	Minimum
4A-1-07.1	LKD	Yes	2.7	Minimum
4A-1-08.1	LKD	Yes	3.8	Medium
4A-1-09.1	LKD	Yes	9.0	High
4A-1-10.1	LKD	Yes	2.8	Minimum
4A-1-11.1	LKD	No	2.2	Minimum
4A-1-12.1	LKD	No	2.4	Minimum
4A-1-13.1	LKD	No	2.8	Minimum
4A-1-14.1	LKD	No	3.0	Medium
4A-1-15.1	LKD	No	3.0	Medium
4A-1-16.1	LKD	No	3.0	Medium
4A-2-01.1	LKD	No	0.0	Below criteria
4A-2-02.1	LKD	No	0.0	Below criteria
4A-2-03.1	LKD	Yes	0.2	Below criteria
4A-2-04.2	Bed	Yes	3.5	Medium
4A-2-05.1	LKD	Yes	3.1	Medium
4A-2-06.1	LKD	Yes	3.1	Medium
4A-2-07.1	LKD	Yes	3.1	Medium

Sunlight Hours Apartments Block 4A				
Unit ID	Room Use	Habitable Rm With Window 90° south	No Sunlight Hours on 21st March	EN17037:2018 Level of exposure to Sunlight
4A-2-08.1	LKD	Yes	3.8	Medium
4A-2-09.1	LKD	Yes	9.0	High
4A-2-10.1	LKD	Yes	4.3	High
4A-2-11.1	LKD	No	3.5	Medium
4A-2-12.1	LKD	No	3.5	Medium
4A-2-13.1	LKD	No	3.5	Medium
4A-2-14.1	LKD	No	3.5	Medium
4A-2-15.1	LKD	No	3.5	Medium
4A-2-16.1	LKD	No	4.0	High
4A-3-01.1	LKD	No	0.4	Below criteria
4A-3-02.1	LKD	No	0.0	Below criteria
4A-3-03.1	LKD	Yes	0.2	Below criteria
4A-3-04.2	Bed	Yes	0.7	Below criteria
4A-3-05.1	LKD	Yes	3.7	Medium
4A-3-06.1	LKD	Yes	3.7	Medium
4A-3-07.1	LKD	Yes	3.7	Medium
4A-3-08.1	LKD	Yes	3.8	Medium
4A-3-09.1	LKD	Yes	9.0	High
4A-3-10.1	LKD	Yes	9.6	High
4A-3-11.1	LKD	No	3.9	Medium
4A-3-12.1	LKD	No	3.9	Medium
4A-3-13.1	LKD	No	3.9	Medium
4A-3-14.1	LKD	No	3.9	Medium
4A-3-15.1	LKD	No	3.9	Medium
4A-3-16.1	LKD	No	4.3	High
4A-4-01.1	LKD	Yes	9.6	High
4A-4-02.1	LKD	Yes	8.4	High

Table 40: Sunlight Hours

Sunlight Hours Apartments Block 4B				
Unit ID	Room Use	Habitable Rm With Window 90° south	No Sunlight Hours on 21st March	EN17037:2018 Level of exposure to Sunlight
4B-0-01.1	LKD	No	0.0	Below criteria
4B-0-02.1	LKD	Yes	1.6	Minimum
4B-0-03.1	LKD	Yes	1.6	Minimum
4B-0-04.1	LKD	Yes	1.7	Minimum
4B-0-05.1	LKD	Yes	2.6	Minimum
4B-0-06.1	LKD	Yes	9.3	High
4B-1-01.1	LKD	Yes	0.0	Below criteria
4B-1-02.1	LKD	No	0.0	Below criteria
4B-1-03.1	LKD	Yes	0.0	Below criteria
4B-1-04.2	Bed	Yes	2.8	Minimum
4B-1-05.1	LKD	No	2.7	Minimum
4B-1-06.1	LKD	No	2.7	Minimum
4B-1-07.1	LKD	No	2.8	Minimum
4B-1-08.1	LKD	Yes	9.3	High
4B-1-09.1	LKD	Yes	9.3	High
4B-1-10.1	LKD	Yes	2.6	Minimum
4B-1-11.1	LKD	Yes	2.0	Minimum

Sunlight Hours Apartments Block 4B				
Unit ID	Room Use	Habitable Rm With Window 90° south	No Sunlight Hours on 21st March	EN17037:2018 Level of exposure to Sunlight
4B-1-12.1	LKD	Yes	2.0	Minimum
4B-1-13.1	LKD	Yes	2.0	Minimum
4B-1-14.1	LKD	Yes	2.0	Minimum
4B-2-01.1	LKD	Yes	0.2	Below criteria
4B-2-02.1	LKD	No	0.0	Below criteria
4B-2-03.1	LKD	Yes	0.0	Below criteria
4B-2-04.2	Bed	Yes	2.8	Minimum
4B-2-05.1	LKD	No	3.3	Medium
4B-2-06.1	LKD	No	3.3	Medium
4B-2-07.1	LKD	No	3.5	Medium
4B-2-08.1	LKD	Yes	9.3	High
4B-2-09.1	LKD	Yes	9.3	High
4B-2-10.1	LKD	Yes	2.8	Minimum
4B-2-11.1	LKD	Yes	2.5	Minimum
4B-2-12.1	LKD	Yes	2.5	Minimum
4B-2-13.1	LKD	Yes	2.5	Minimum
4B-2-14.1	LKD	Yes	2.6	Minimum
4B-3-01.1	LKD	Yes	0.8	Below criteria
4B-3-02.1	LKD	No	0.0	Below criteria
4B-3-03.1	LKD	Yes	0.0	Below criteria
4B-3-04.2	Bed	Yes	1.0	Below criteria
4B-3-05.1	LKD	No	4.2	High
4B-3-06.1	LKD	No	4.2	High
4B-3-07.1	LKD	No	4.2	High
4B-3-08.1	LKD	Yes	9.3	High
4B-3-09.1	LKD	Yes	9.3	High
4B-3-10.1	LKD	Yes	3.5	Medium
4B-3-11.1	LKD	Yes	3.5	Medium
4B-3-12.1	LKD	Yes	3.5	Medium
4B-3-13.1	LKD	Yes	3.5	Medium
4B-3-14.1	LKD	Yes	3.5	Medium
4B-4-01.1	LKD	Yes	9.3	High
4B-4-02.1	LKD	Yes	5.6	High
4B-4-03.1	LKD	No	4.7	High
4B-4-04.1	LKD	No	4.6	High
4B-4-05.1	LKD	No	4.6	High
4B-4-06.1	LKD	Yes	9.3	High
4B-4-07.1	LKD	Yes	9.3	High
4B-4-08.1	LKD	Yes	4.4	High
4B-4-09.1	LKD	Yes	4.4	High
4B-4-10.1	LKD	Yes	4.4	High
4B-4-11.1	LKD	Yes	4.4	High
4B-4-12.1	LKD	Yes	4.4	High

Table 41: Sunlight Hours

Sunlight Hours Apartments Blocks 5 & 6				
Unit ID	Room Use	Habitable room window within 90° south	No. sunlight hours on 21st March	EN17037:2018 Level of exposure to sunlight
H04.1	LKD	Yes	5.3	High
H05.4	Bed	Yes	6.8	High

Table 42: Sunlight Hours