

Daylight & Sunlight Assessments of a Proposed Large-Scale Residential Development at Grange Road, Baldoyle, Dublin 13.

Applicant: Rondesere Ltd.

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1. Introduction

Rondesere Limited intends to apply for a Planning Permission for a Large-Scale Residential Development (LRD) on a site at Grange Road, Baldoyle, Dublin 13.

The site is bounded to the north by Myrtle Road and existing residential development, by Grange Road to the south separating the subject site with Baldoyle Industrial Estate, by Longfield Road and Beshoff Motors Car Dealers to the east and an educational facility currently under construction on lands adjoining the west of the subject site. The proposed Large-scale Residential Development consists of the following;

- 1. Demolition of existing, single storey, storage structures on the subject site (c. 446.5 m2 GFA).
- 2. The construction of a residential development (c. 15, 234.11 m2 GFA) comprising of 120 no. apartment units (15 no. studio units, 18 no. 1 bed units, 78 no. 2 bed units, 7 no. 3 bed units, 2 no. 4 bed penthouse units) within 1 no. block (ranging in height from 4 12 storeys over basement level).
- 3. The construction of a basement to be accessed off Myrtle Road with provision of c. 47 no. car parking spaces, including accessible spaces, electric vehicle charging points and residential visitor parking.
- 4. Addition of 2 no. crèche drop off car parking spaces at surface level.
- 5. Provision of 360 no. 'long stay' residential bicycle parking spaces at basement level together with additional 60 no. visitor bicycle parking spaces in secure locations at surface level.
- 6. All apartments are provided with private terraces / balconies.
- 7. Provision of c. 1877 m2 of open space to serve the development including green roof garden terraces between 5th and 10th floor level.
- 8. Provision of a childcare facility at ground floor level (c. 156.6 m2 GFA) with capacity in the order of 35 no. children and associated, secure, open play area (c. 117.1 m2).
- 9. Provision of Café unit (c. 70 m2 GFA) at ground floor level with associated outdoor seating area.
- 10. Provision of associated gymnasium at ground and first floor level (c. 273.12 m2).
- 11. Provision of Multipurpose Room (c. 48 m2 GFA) and Residents Lounge (c. 20 m2) at first floor level.
- 12. Total non-residential use is c. 567.72 m2 (3.73 % of overall development).
- 13. The development will also provide for all associated ancillary site development infrastructure including: ESB sub-station, bike stores, bin stores, plant rooms, public lighting, new watermain connection and foul and surface water drainage; internal roads & footpaths; site landscaping, including boundary treatments; associated scheme signage, and all associated site development and excavation works above and below ground necessary to facilitate the development.

1.1 Executive Summary

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 CWPA Planning & Architecture.

1.1.1 Assessment of potential impact to daylight and sunlight availability on adjacent properties.

There will be a small reduction to the available daylight and sunlight levels to the adjacent dwellings and school building. The reduction will be minor and meets the recommendations of the BRE guidelines. There will be no reduction in sunlight to private or communal amenity spaces.

1.1.2 Assessment of the quality of the proposed development.

The apartments were designed in line with the recommendations of the BRE guidelines. Numerous rounds of design iterations were conducted to improve the daylight and sunlight within in the proposed development. The guidelines clearly state that the they are recommendations only and flexibility is required when setting and interpreting the targets.

BR209:2022 recommends assessment methods set out in BS EN 17037 for daylight provision. BS EN 17037 contains a National Annex (NA1) 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 National Annex in BS EN 17037 states that the target values set out in Table A1 may be hard to achieve in the UK and as a result 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%).

1.1.3 Assessment of daylight in accordance with BR209:2022 and BS EN 17037:2018+A1:2021.

92% of the Living, Dining, Kitchen, Bedroom and Studio spaces within the proposed development achieve the target values set out in BS EN 17037:2018+A1:2021 section NA1. This is the minimum rooms specific values to be achieved in habitable rooms. Appendix A identifies all rooms which do not achieve the minimum target illuminance levels.

1.1.4 Assessment of daylight in accordance with IS EN 17037:2018.

EN 17037:2018 sets out values for target illuminance, minimum target illuminance and fractions of reference plane to be achieved. The target and minimum target levels set out in EN17037:2018 are for any type of building and they do not take into account room use or make allowance for rooms that have a lesser requirement for daylight. The results for this assessment indicate a high level of compliance for minimum target level of 93.5% and target level of 77.7% of rooms achieving the minimum target for each metric. Appendix B identifies all rooms which do not achieve the minimum target illuminance and the target illuminance levels.

To date there is no guidance from Irish local authorities or governmental bodies on the use or interpretation of IS EN 17038:2018. The local authorities guidelines and apartment guidelines refer to BR209 Site layout planning for daylight and sunlight which in turn references BS EN 17037: BS EN17037:2018+A1:2021 is the same as IS EN 17037:2018 with the addition of a National Annex (NA1) and the annex specifically refers to and sets room specific values for dwellings in the UK and Channel Islands.

1.1.5 Sunlight within the proposed development

This scheme is well designed for sunlight, with 71.7% of units meeting the minimum recommended 1.5 direct sunlight hours.

The proposed communal amenity spaces on each level achieve sunlight levels that exceed 2 hours sunlight over 50% of the amenity space on the 21st March.

2. Methodology

2.1 Notes on the use of BRE guidance document BR209:2022 - Site Layout Planning for Daylight and Sunlight (3rd edition).

Building Research Establishment (BRE) BR209: 2022 "Site Layout Planning for Daylight and Sunlight" (Third edition) was released in June 2022 and supersedes BR209: 2011 (Second edition). It is intended to be used with the interior daylight recommendations of BS EN 17037 British Standard Daylight in Buildings. BR209: 2022 is a comprehensive revision of the 2011 edition of Site Layout Planning for Daylight and Sunlight.

BR209: 2022 sets out 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."

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 referenced in BR209: 2022 (third edition) for internal daylight and sunlight provision are common to both the Irish Standard Version and the UK version.

The UK National Annex (NA) provides further recommendations for daylight provision in the UK and Channel Islands. NA.1 states that the UK committee supports the recommendations for daylight in buildings given in BS EN17037:2018. The annex states that the daylight target levels in Clause A.2 may be hard to achieve in buildings in the UK and in particular dwellings in urban areas with significant obstructions or tall trees outside. NA.2 sets out minimum daylight provision to be achieved in UK dwellings.

BR209: 2022 updates guidance in two areas and they are summarised below:

Impact on daylight and sunlight to adjacent buildings.

This is broadly in line with the previous version of the BRE guidelines (2011) and the assessment methods contained within BR 209:2022. The metrics are the same for assessing impact in the areas of Daylight (VSC) and Sunlight (APSH) to adjacent buildings. Sunlight to adjacent amenity space is assessed through the measurement of sunlight availability on the 21st March. Clarity has been provided in a number of areas on the appropriate use of each assessment.

Interior daylight and sunlight to proposed buildings.

The BRE guidelines (2022) recommend the use of BS EN 17037:2018 for assessing the quality of interior spaces in proposed developments, this supersedes BS 8206-2:2008. BS EN 17037 sets out assessment methods for daylight provision and access to sunlight. The use of the Average Daylight Factor (ADF) assessment is no longer recommended. BS EN 17037 is based on the European standard EN 17037 and uses assessment methodologies not directly comparable to BS 8206-2.

The UK National Annex A1 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 illiminance 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.

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

- BR209 2022: Site Layout Planning for Daylight and Sunlight (Third edition).
- BS EN 17037:2018+A1:2021 Daylight in Buildings
- IS EN 17037:2018 Daylight in Buildings

The BRE guidelines (2022) state at the outset that "It is purely advisory and the numerical target values within it may be varied to meet the needs of the development and its location."

This is accordance with the most relevant S.28 Ministerial Guidelines including Section 6.6 of the Sustainable Urban Housing: Design Standards for New Apartments (2023), and Section 3.2 of the Urban Development and Building Heights Guidelines for Planning Authorities (2018).

Sustainable Urban Housing: Design Standards for New Apartments, Guidelines for Planning Authorities (2023) states that: Planning authorities should avail of appropriate expert advice where necessary and have regard 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, when undertaken by development proposers which offer the capability to satisfy minimum standards of daylight provision.

That the recommendations of the BRE guidelines (2022) are not suitable for rigid application to all developments in all contexts is of particular importance in the context of national and local policies for the consolidation and densification of urban areas.

2.2 Daylight to existing dwellings

BRE guidance document (2022) "Site layout planning for daylight and sunlight" relates to daylight and sunlight to potential impact in neighbouring buildings. As set out above, this is broadly in line with the previous version of the BRE guidelines (2011). The metrics are the same for assessing impact in the areas of Daylight (VSC) and Sunlight (APSH) to adjacent buildings. Sunlight to adjacent amenity space is assessed through the measurement of sunlight availability on the 21st March. Clarity has been provided in a number of areas in BR209:2022 (third edition) on the appropriate use of each assessment.

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 their distance from the existing dwelling. To ensure a neighbouring property is not adversely affected, the Vertical Sky Component (also referred to as VSC) is calculated and assessed. VSC can be defined as the amount of skylight that falls on a vertical wall or window.

BRE guidelines (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."

The diffuse light of the existing building may be adversely affected 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. 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.

The guidelines sets out which rooms need to be assessed for daylight in Section 2.2:

"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":

For loss of daylight the BRE guidelines (2022) recommends calculation of the Vertical Sky Component. This 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 and the ratio is usually expressed as a percentage. The maximum value is just under 40% for a completely unobstructed vertical wall. The Vertical Sky Component on a window is a good measure of the amount of daylight entering it.

The BRE guidelines (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 (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, The Vertical Sky Component (VSC) as per the methodologies contained in the BRE guidelines BR209:2022 (third edition).

2.3 Sunlight to existing buildings

The BRE guidelines (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 1 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 | Jun | Jul | Aug | Sep | 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 1: Average monthly sunlight hours recorded at Dublin Airport - Data set 1991-2020

The BRE guidelines (2022) recommend that the centre of a window or 1.6m above ground for a door be assessed and receive at least 25% of the APSH and at least 5% during the period of 21st September to 21st March. 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.

2.4 Daylight in the Proposed Development.

BR209 (2022) Appendix C sets out interior daylight recommendations. The guideline sets out the that: "BS EN 17037 supersedes BS8206 Part 2 'Code of practice for daylighting' which contained a method of assessment based on Average Daylight Factor, which is now no longer recommended.

BS EN 17037:2018+A1 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 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 National Annex (NA) sets out additional minimum room specific Target Daylight Factor values for the UK where the target values in A2 are hard to achieve. 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. 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.

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 2 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 2: Surface reflectance parameters and input values for model calculations

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. 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 but 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 National 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, BR209 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. BR209 (2022 3rd edition) Section 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 fi | Target Illuminance from Daylight over at least half the daylight hours | | | | | | | |
|-------------------------|--|--|--|--|--|--|--|--|
| Level of recommendation | Target illuminance $E_T(Ix)$ 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 3: IS / BS EN 17037:2018 Target Illuminance from Daylight over at least half the daylight hours.

| Target Daylight Factor (D) 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 4: IS / BS EN 17037:2018 Target Daylight Factor (D) for Dublin.

| Target Minimum Daylight Factor (D) for Dublin based UN National Annex | | | | | | | |
|---|--|--|--|--|--|--|--|
| Room Type | Target illuminance $E_T(Ix)$ 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% | | | | | |

Table 5: BS EN 17037:2018+A1:2021 Target Illuminance levels and Daylight Factor (D) for Dublin.

2.5 Sunlight to proposed developments

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

The BRE guidelines (2022) states that BS EN 17037 should be used to assess for interior access to direct sunlight. BS EN 17037 sets recommendations for access to sunlight in a range achieving compliance from Minimum to 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 recommends 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.

2.6 Sunlight to gardens and open spaces

For calculations of sunlight analysis it is general practice to use March 21st. The BRE guidelines (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 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 (2022) 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."

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 (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 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, eg 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."

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.

3. Daylight to adjacent buildings.

3.1 Site Overview

The site is bounded on three sides by Grange Road, Longfield Road and Myrtle Road. To the west a primary school is under construction. The buildings opposite the site on Grange Road and to the east of Longfield Road are in commercial use, which have no particular requirement for daylight or sunlight. There is an established residential development to the north side of Myrtle Road, which is a mix of 3 storey houses and 4-5 storey apartments.

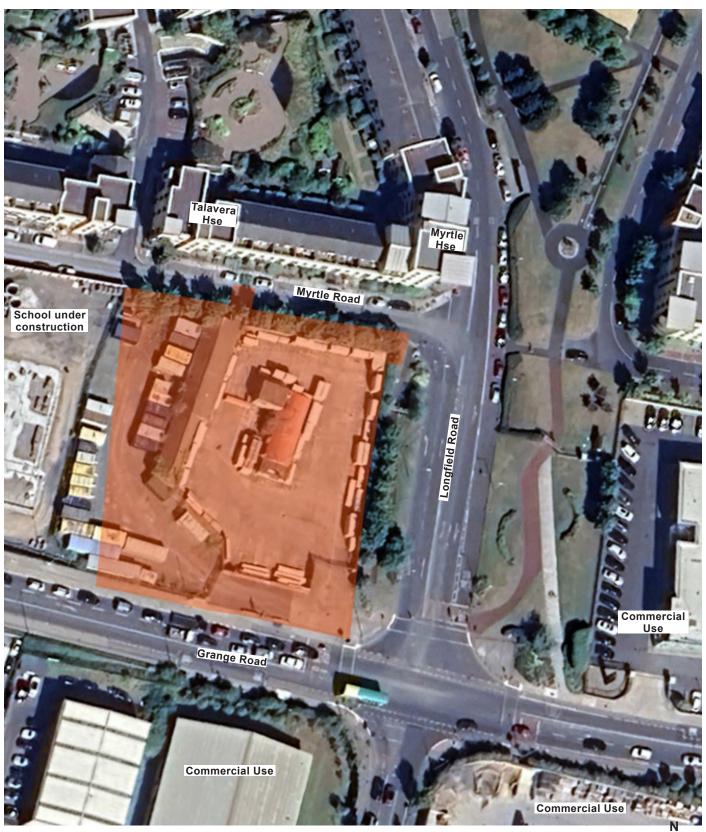


Figure 1: Aerial view of site, taken from Google Earth

3.2 Preliminary assessment of adjoining dwellings

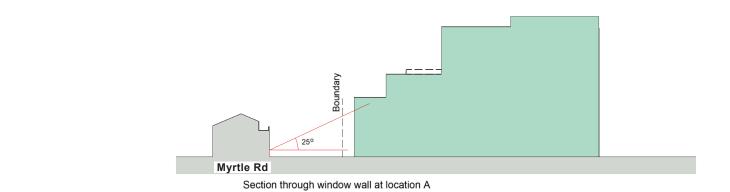
The BRE guidelines recommend that loss of light to existing windows need not be assessed if the distance of each part of the new development from the existing window is three or more times its height above the centre of the existing window.

Section planes perpendicular to the window wall of the adjacent properties facing the proposed development are indicated in blue in Figure 2. The planes at locations A - C extend and if they intersect the proposed development, they are plotted in figure 3 below.

The document also states 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 zone of influence (3 times the height of the proposed building) and direction of the window wall of adjacent residential properties.



School

Section through window wall at location B

Figure 3: Section perpendicular to window walls at locations indicated in Figure 2.

3.3 Comment on preliminary assessment

Location A, through No.56 Myrtle Road: The 25° line would be subtended by the proposed development. For completeness the windows which face towards the proposed development, from Talavera House to Longfield Road are selected for further assessment.

Location B, through the side elevation of the school: The 25° line would be subtended by the proposed development, the windows which face towards the proposed development in the school are selected for assessment.

Location C, through the rear elevations on Longfield Road: The windows do not face towards the proposed development indicating any reduction in available daylight is negligible and no further assessment required.

3.4 Detailed assessment to adjoining buildings

The BRE guide recommends assessing the Vertical Sky Component (VSC) to adjacent properties. The Annual Probable Sunlight Hours will also be assessed, where that is relevant.

The BRE guideline 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 adjacent dwellings at locations identified in the preliminary analysis are indicated in Figures 4 & 5. The results are shown in Table 6 below.

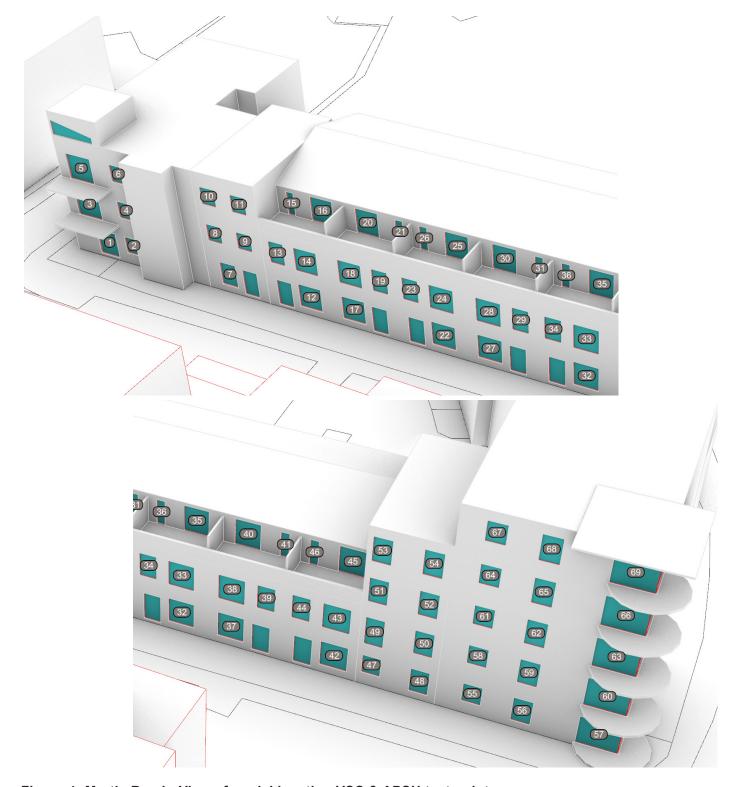


Figure 4: Myrtle Road - View of model locating VSC & APSH test points.

| Vertical Sky | Component | | | | |
|--------------|-------------------------------------|----------------------|--|---------------|---|
| Location | Vertical Sky Comp Recommended Va | oonent alue > 27% | Ratio: Proposal to Existir Recommended > | ng 80% | Meets criteria if >27% VSC <u>or</u> <27% but >80% Existing Value |
| | Existing % | Proposed % | | Average Ratio | |
| 1 | 22.1 | 16.2 | 73.0% | * 84.3% | * Y |
| 2 | 26.2 | 20.9 | 79.7% | 04.3% | Y |
| 3 | 22.9 | 17.8 | 77.7% | * 86.8% | * Y |
| 4 | 27.7 | 22.9 | 82.7% | 00.070 | T |
| 5 | 37.2 | 32.8 | 88.2% | * 92.0% | Υ |
| 6 | 33.0 | 28.9 | 87.7% | 92.070 | Υ |
| 7 | 35.2 | 27.7 | 78.7% | | Y |
| 8 | 35.0 | 28.6 | 81.7% | | Y |
| 9 | 36.4 | 29.7 | 81.7% | | Y |
| 10 | 35.9 | 30.7 | 85.3% | | Y |
| 11 | 36.8 | 31.3 | 85.0% | | Y |
| 12 | 36.7 | 28.4 | 77.3% | | Y |
| 13 | 36.9 | 29.8 | 80.8% | | Y |
| 14 | 37.4 | 30.1 | 80.5% | | Y |
| 15 | 26.4 | 20.9 | 79.1% | + 00 | Υ |
| 16 | 33.3 | 28.5 | 85.4% | * 82.3% | Υ |
| 17 | 36.9 | 28.2 | 76.4% | | Y |
| 18 | 37.5 | 29.9 | 79.6% | | Y |
| 19 | 37.2 | 29.4 | 79.0% | | Y |
| 20 | 35.0 | 29.1 | 83.1% | | Υ |
| 21 | 29.2 | 25.3 | 86.5% | * 84.8% | Υ |
| 22 | 37.2 | 27.6 | 74.2% | | Υ |
| 23 | 37.3 | 29.4 | 78.8% | | Y |
| 24 | 37.7 | 29.6 | 78.6% | | Y |
| 25 | 34.8 | 28.9 | 83.2% | | Y |
| 26 | 29.7 | 23.9 | 80.3% | * 81.7% | Υ |
| 27 | 37.3 | 27.5 | 73.8% | | Υ |
| 28 | 37.8 | 29.7 | 78.4% | | Y |
| 29 | 37.5 | 29.5 | 78.6% | | Υ |
| 30 | 35.2 | 29.1 | 82.8% | | Υ |
| 31 | 29.8 | 24.7 | 82.8% | * 82.8% | Υ |
| 32 | 37.4 | 28.1 | 75.0% | | Υ |
| 33 | 38.0 | 30.1 | 79.4% | | Y |
| 34 | 37.6 | 29.6 | 78.8% | | Υ |
| 35 | 35.2 | 29.4 | 83.5% | | Y |
| 36 | 30.2 | 25.0 | 82.6% | * 83.0% | Y |
| 37 | 37.6 | 28.6 | 76.1% | | Y |
| 38 | 38.1 | 30.5 | 80.1% | | Y |
| 39 | 37.8 | 30.6 | 80.9% | | Y |
| 40 | 35.0 | 29.5 | 84.4% | | Y |
| 41 | 30.7 | 25.3 | 82.6% | * 83.5% | Y |
| 42 | 37.7 | 30.0 | 79.7% | | Y |
| 43 | 38.2 | 31.7 | 83.0% | | Y |
| 44 | 37.9 | 31.0 | 81.9% | | Y |
| 45 | 29.1 | 24.3 | 83.3% | | Y |
| 46 | 28.8 | 24.9 | 86.6% | * 84.9% | Y |
| 47 | 37.3 | 30.3 | 81.2% | | Y |
| 48 | 37.6 | 31.0 | 82.6% | | Y |
| 49 | 38.0 | 31.9 | 83.8% | | Y |
| 50 | 38.0 | 32.4 | 85.2% | | Y |
| 51 | 38.2 | 33.3 | 87.0% | | Y |

| Vertical Sky | y Component | | | | |
|--------------|-------------------------------------|--------------------|--|---------------|---|
| Location | Vertical Sky Comp Recommended Va | onent lue > 27% | Ratio: Proposal to Existin Recommended > | ng 80% | Meets criteria if >27% VSC <u>or</u> <27% but >80% Existing Value |
| | Existing % | Proposed % | | Average Ratio | |
| 52 | 38.3 | 33.7 | 87.9% | | Y |
| 53 | 38.4 | 34.3 | 89.5% | | Y |
| 54 | 38.4 | 34.6 | 90.1% | | Y |
| 55 | 37.5 | 31.4 | 83.9% | | Y |
| 56 | 37.1 | 31.4 | 84.5% | | Y |
| 57 | 28.4 | 23.1 | 81.5% | ** 90.8% | Y |
| 58 | 37.9 | 32.6 | 86.1% | | Y |
| 59 | 37.6 | 32.6 | 86.5% | | Y |
| 60 | 28.9 | 24.3 | 84.2% | ** 92.1% | Y |
| 61 | 38.1 | 33.7 | 88.4% | | Y |
| 62 | 37.7 | 33.5 | 88.7% | | Y |
| 63 | 29.2 | 25.3 | 86.5% | **93.3% | Y |
| 64 | 38.1 | 34.5 | 90.6% | | Y |
| 65 | 37.3 | 33.8 | 90.8% | | Y |
| 66 | 29.2 | 26.0 | 89.0% | **94.5% | Y |
| 67 | 38.2 | 35.5 | 92.8% | | Y |
| 68 | 35.9 | 33.1 | 92.4% | | Y |
| 69 | 24.0 | 21.4 | 89.3% | **94.7% | Y |

Table 6: Vertical sky component for windows in Myrtle Road

3.5 Conclusion of potential impact to existing dwellings.

The majority the windows retain a VSC in excess of 27% or are not reduced below 80% of the existing VSC values. Many of the residential units have a wiindow facing away from the proposed development. When averaged all VSC values are 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.

^{*} The BRE guidelines recommend where there are more than one window to a room the cumulative average can be used.

^{**} In many of these apartments the second window is on the side elevation, facing away from the proposed development and will have a VSC ratio of 100% for existing to proposed.

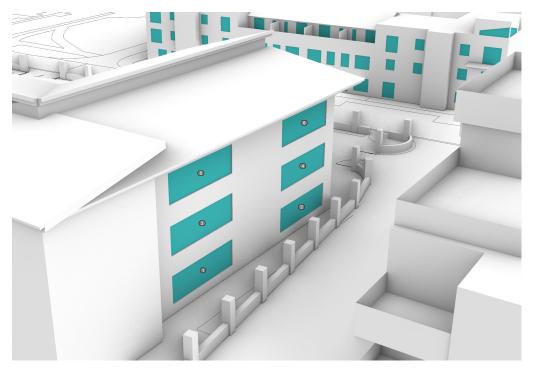


Figure 5: School: View of model locating VSC test points.

| Vertical Sky Component | | | | | | | | |
|------------------------|--|----------------|--------------------------------|-------------------------------|--|--|--|--|
| Location | Vertical Sky Compon Recommended Value | ent e > 27% | Ratio: Proposal to Existing | Meets criteria if >27% VSC or | | | | |
| | Existing % | Proposed % | Recommended > 80% | <27% but >80% Existing Value | | | | |
| 1 | 35.3 | 24.9 | 70.5% | N | | | | |
| 2 | 35.2 | 25.6 | 72.7% | N | | | | |
| 3 | 34.7 | 25.9 | 74.7% | N | | | | |
| 4 | 35.0 | 26.9 | 76.7% | N | | | | |
| 5 | 25.1 | 18.5 | 73.7% | N | | | | |
| 6 | 25.4 | 19.0 | 74.9% | N | | | | |

Table 7: Vertical sky component for windows in adjacent school

3.6 Comment on detailed assessment of the windows in the school

This school is under construction. The rooms have very large windows, with a high VSC as they faced a currently vacant site. There is a slight impact to the windows on the side elevation. The reduced ratio is the order of 70.5 - 76.7%.

4. Sunlight in Adjoining Residential Living Areas

4.1 Annual Probable Sunlight Hours

The BRE guidelines 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 livingrooms, 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.

All relevant windows in Myrtle Road and in the school, faced within 90° of due south. All windows were assessed for APSH regardless of room use. Their locations are indicated in Figures 4 & 5; the results are set out in Tables 8 & 9.

| Annual | Probable | Sunlight | Hours | | | | | |
|----------|-----------|-----------|--------------------------------------|-------------------|----------|-------------------------------------|--------------------------|-------------------------|
| | APSH >25% | Target | 5% Target | Meets criteria of | | | | |
| Location | Existing | Proposed | Ratio | Existing | Proposed | Ratio | | nd >5% WPSF Or |
| ID | % of APSH | % of APSH | If less than 25% APSH Target >80% | % WPSH | % WPSH | If less than 5% WPSH Target >80% | <25% or <5° >80% Exis | WPSH but sting Value |
| | | | | | | | APSH | WPSH |
| 1 | 47.8% | 35.2% | 73.5% | 25.6% | 15.1% | 58.9% | Y | Y |
| 2 | 46.4% | 36.1% | 77.9% | 21.5% | 12.9% | 60.3% | Y | Y |
| 3 | 50.5% | 39.8% | 78.8% | 27.3% | 18.4% | 67.5% | Y | Y |
| 4 | 47.9% | 39.9% | 83.2% | 22.6% | 16.0% | 70.5% | Y | Y |
| 5 | 75.7% | 66.5% | 87.8% | 28.7% | 21.0% | 73.3% | Y | Υ |
| 6 | 60.9% | 54.5% | 89.5% | 23.9% | 18.6% | 77.8% | Y | Y |
| 7 | 69.5% | 55.3% | 79.6% | 26.9% | 15.1% | 56.1% | Υ | Y |
| 8 | 69.3% | 57.1% | 82.3% | 28.3% | 18.1% | 64.0% | Υ | Y |
| 9 | 73.7% | 61.4% | 83.3% | 28.9% | 18.7% | 64.6% | Υ | Υ |
| 10 | 72.2% | 61.9% | 85.7% | 30.0% | 21.5% | 71.5% | Y | Υ |
| 11 | 77.0% | 66.8% | 86.8% | 30.4% | 22.0% | 72.2% | Y | Υ |
| 12 | 76.1% | 60.4% | 79.3% | 28.3% | 15.3% | 53.9% | Y | Y |
| 13 | 76.4% | 63.0% | 82.5% | 29.2% | 18.1% | 61.9% | Y | Y |
| 14 | 77.4% | 63.9% | 82.6% | 29.4% | 18.2% | 61.9% | Υ | Y |
| 15 | 51.1% | 42.0% | 82.1% | 21.2% | 13.6% | 64.1% | Y | Υ |
| 16 | 57.8% | 50.5% | 87.4% | 20.5% | 14.4% | 70.5% | Y | Υ |
| 17 | 76.8% | 62.1% | 80.8% | 28.6% | 16.3% | 57.1% | Υ | Υ |
| 18 | 78.4% | 65.8% | 83.9% | 29.9% | 19.4% | 64.9% | Y | Υ |
| 19 | 78.8% | 66.1% | 84.0% | 29.9% | 19.4% | 64.9% | Υ | Υ |
| 20 | 67.0% | 57.6% | 86.0% | 23.9% | 16.1% | 67.3% | Y | Υ |
| 21 | 53.6% | 47.6% | 88.7% | 17.0% | 12.0% | 70.5% | Y | Υ |
| 22 | 77.6% | 62.2% | 80.2% | 28.7% | 15.9% | 55.5% | Y | Y |
| 23 | 79.1% | 66.3% | 83.8% | 29.9% | 19.3% | 64.4% | Y | Y |
| 24 | 79.6% | 66.6% | 83.6% | 30.0% | 19.1% | 63.8% | Y | Υ |
| 25 | 64.6% | 55.7% | 86.4% | 20.7% | 13.4% | 64.6% | Y | Y |
| 26 | 56.5% | 47.2% | 83.5% | 21.2% | 13.5% | 63.6% | Y | Y |
| 27 | 77.7% | 62.5% | 80.5% | 28.5% | 15.9% | 55.9% | Y | Y |
| 28 | 79.8% | 67.1% | 84.0% | 30.0% | 19.4% | 64.7% | Y | Y |
| 29 | 79.7% | 66.7% | 83.7% | 30.0% | 19.2% | 64.0% | Y | Υ |
| 30 | 67.1% | 57.5% | 85.7% | 24.0% | 16.0% | 66.7% | Y | Y |
| 31 | 55.2% | 46.7% | 84.5% | 17.3% | 10.2% | 58.8% | Y | Y |
| 32 | 78.2% | 64.5% | 82.4% | 28.9% | 17.5% | 60.4% | Y | Y |
| 33 | 80.6% | 69.0% | 85.6% | 30.7% | 21.0% | 68.5% | Y | Y |
| 34 | 80.3% | 68.0% | 84.7% | 30.4% | 20.2% | 66.5% | Y | Y |
| 35 | 65.7% | 56.5% | 86.0% | 21.3% | 13.6% | 64.1% | Y | Y |
| | | | | | 1 | | | |
| 36 | 56.3% | 49.3% | 87.5% | 21.4% | 15.5% | 72.7% | Υ | Y |

| Annual | Probable | Sunlight I | Hours | | | | | | |
|----------|-----------|------------|--------------------------------------|--------------|--------------|-------------------------------------|-------------------|--------------------------|--|
| | APSH >25% | Target | | Sept 21 - Ma | ar 21 WPSH > | 5% Target | Meets criteria of | | |
| Location | Existing | Proposed | Ratio | Existing | Proposed | Ratio | | nd >5% WPSH <u>)r</u> | |
| ID | % of APSH | % of APSH | If less than 25% APSH Target >80% | % WPSH | % WPSH | If less than 5% WPSH Target >80% | | sting Value | |
| | | | | | | | APSH | WPSH | |
| 37 | 78.3% | 64.0% | 81.7% | 28.9% | 17.0% | 58.9% | Y | Y | |
| 38 | 80.1% | 67.7% | 84.5% | 30.5% | 20.2% | 66.2% | Y | Y | |
| 39 | 80.2% | 67.8% | 84.5% | 30.6% | 20.3% | 66.2% | Y | Y | |
| 40 | 64.8% | 55.8% | 86.0% | 24.0% | 16.5% | 68.7% | Y | Y | |
| 41 | 56.7% | 47.9% | 84.5% | 18.2% | 10.9% | 59.9% | Y | Y | |
| 42 | 78.3% | 65.1% | 83.0% | 28.9% | 17.9% | 61.8% | Y | Y | |
| 43 | 80.6% | 68.4% | 84.9% | 30.8% | 20.7% | 67.2% | Y | Y | |
| 44 | 80.7% | 69.2% | 85.7% | 30.7% | 21.1% | 68.9% | Y | Y | |
| 45 | 51.2% | 41.8% | 81.6% | 19.8% | 12.0% | 60.6% | Y | Y | |
| 46 | 47.2% | 41.5% | 88.0% | 19.8% | 15.1% | 76.1% | Y | Y | |
| 47 | 78.8% | 66.3% | 84.1% | 29.2% | 18.8% | 64.4% | Y | Y | |
| 48 | 78.5% | 66.7% | 85.0% | 29.3% | 19.5% | 66.6% | Y | Υ | |
| 49 | 80.9% | 69.2% | 85.5% | 30.8% | 21.1% | 68.4% | Y | Y | |
| 50 | 80.5% | 69.9% | 86.9% | 31.0% | 22.2% | 71.6% | Y | Y | |
| 51 | 82.2% | 72.0% | 87.6% | 32.0% | 23.6% | 73.6% | Y | Y | |
| 52 | 80.5% | 71.4% | 88.7% | 32.1% | 24.5% | 76.5% | Y | Y | |
| 53 | 82.5% | 74.3% | 90.0% | 32.3% | 25.5% | 78.9% | Y | Y | |
| 54 | 81.9% | 74.1% | 90.6% | 32.5% | 26.0% | 80.2% | Y | Y | |
| 55 | 77.5% | 66.8% | 86.1% | 29.3% | 20.4% | 69.5% | Y | Y | |
| 56 | 75.3% | 64.0% | 85.0% | 29.3% | 19.9% | 68.1% | Y | Y | |
| 57 | 64.2% | 52.7% | 82.2% | 29.4% | 19.9% | 67.7% | Y | Y | |
| 58 | 79.5% | 69.2% | 87.1% | 30.9% | 22.4% | 72.4% | Y | Υ | |
| 59 | 77.1% | 66.7% | 86.6% | 30.8% | 22.2% | 72.1% | Y | Y | |
| 60 | 65.9% | 55.6% | 84.3% | 30.9% | 22.3% | 72.1% | Y | Y | |
| 61 | 80.7% | 71.5% | 88.6% | 32.0% | 24.4% | 76.2% | Y | Υ | |
| 62 | 78.6% | 69.5% | 88.5% | 32.0% | 24.5% | 76.6% | Y | Υ | |
| 63 | 67.4% | 58.0% | 86.1% | 32.1% | 24.3% | 75.7% | Υ | Y | |
| 64 | 79.7% | 72.1% | 90.4% | 32.3% | 26.0% | 80.4% | Υ | Y | |
| 65 | 78.1% | 70.4% | 90.2% | 32.3% | 26.0% | 80.4% | Υ | Υ | |
| 66 | 67.8% | 59.9% | 88.4% | 32.4% | 25.8% | 79.8% | Υ | Y | |
| 67 | 82.5% | 76.2% | 92.4% | 32.3% | 27.1% | 83.9% | Υ | Υ | |
| 68 | 72.4% | 65.6% | 90.7% | 32.4% | 26.8% | 82.8% | Υ | Υ | |
| 69 | 54.6% | 48.2% | 88.1% | 32.7% | 27.3% | 83.5% | Υ | Y | |

Table 8: Annual Probable Sunlight hours Myrtle Road

| Annual | Annual Probable Sunlight Hours | | | | | | | | | |
|----------|--------------------------------|-----------|--------------------------------------|--------------|--------------|-------------------------------------|--------------------------|-------------------------|--|--|
| | APSH >25% | Target | | Sept 21 - Ma | ar 21 WPSH > | 5% Target | Meets criteria of | | | |
| Location | Existing | Proposed | Ratio | Existing | Proposed | Ratio | >25% APSH aı <u>C</u> |)r | | |
| ID | % of APSH | % of APSH | If less than 25% APSH Target >80% | % WPSH | % WPSH | If less than 5% WPSH Target >80% | <25% or <5% >80% Exis | WPSH but sting Value | | |
| | | | 14.901 0070 | | | oa.got 0070 | APSH | WPSH | | |
| 1 | 46.4% | 30.0% | 64.6% | 15.3% | 10.5% | 68.4% | Y | Υ | | |
| 2 | 47.6% | 30.7% | 64.3% | 16.3% | 7.5% | 45.7% | Y | Y | | |
| 3 | 47.5% | 30.8% | 64.8% | 16.8% | 10.9% | 65.0% | Y | Y | | |
| 4 | 48.0% | 32.7% | 68.2% | 17.4% | 7.6% | 44.0% | Y | Y | | |
| 5 | 39.6% | 26.7% | 67.4% | 15.1% | 9.5% | 63.1% | Y | Υ | | |
| 6 | 39.3% | 26.8% | 68.2% | 15.1% | 6.5% | 43.0% | Y | Y | | |

Table 9: Annual Probable Sunlight hours in school (under construction)

4.2 Comment on assessment of APSH and WPSH

All the windows assessed to main living spaces have an APSH percentage greater than the recommended 25% (414 hours) and 5% (75 hours) from 21 September to 21 March. All windows assessed exceed the target values set out for sunlight. The proposed development meets the recommendations of the BRE guidelines (2022).

4.3 Sunlight to adjoining amenity spaces

The shadow diagrams in Section 7 of this report indicate that the shadows from the proposed development do not extend to any private garden on the 21st march. The shadow from the proposed development will not reach the linear park on Longfield Road until approximately 16.00pm on the 21st March. The sun on the ground will not be reduced below 2 hours over 50% of the area, no detailed assessment is required.

There will be no reduction in sunlight to any of the neighbouring amenity spaces with a requirement for sunlight and the proposed development meets the requirements of the BRE guidelines (2022).

5. Daylight to proposed units.

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 6 below and a complete set of room results are shown in Appendix A.

Compliance is also demonstrated with a calculation of Daylight Provision with the illuminance method under IS /BS EN 17037:2018. A summary of the results are presented in Table 7 below and a complete set of room results are shown in Appendix B.

5.1 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. The UK committee fully 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. The UK National Annex A1 in BS EN17037:2018+A1:2021 sets out room specific minimum values to be achieved in the UK and Channel Islands. These target values are set to achieve similar minimum daylight levels as the superseded Average Daylight Factor method (ADF) in BS8206-2 2008.

| Minimum d | Minimum daylight provision 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 | | | | | | |
| Apartments | LKD | 106 | 200 | 86 | 81.1% | | | | | | |
| | Studio | 15 | 200 | 9 | 60.0% | | | | | | |
| | Bedrooms | 202 | 100 | 202 | 100.0% | | | | | | |
| Total | | 323 | | 297 | 92.0% | | | | | | |

Table 10: Summary of room for Target Illuminance compliance with BS EN 17037:2018+A1:2021. Individual room results can be viewed in Appendix A.

5.2 Conclusion

BR209:2022 recommends assessment methods set out in BS EN 17037 for daylight provision. 92% of the Living, Dining, Kitchen and Bedroom spaces achieve the target values set out in BS EN 17037:2018+A1:2021 section NA1. The is the minimum rooms specific values to be achieved in habitable rooms.

5.3 Assessment for Daylight Provision IS / BS EN 17037:2018

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

| Daylight provision Illuminance Method IS EN 17037:2018 | | | | | | | |
|--|---------------------|--------------|---------|--------|-------|--------------------------------------|--|
| | | Below Target | Minimum | Medium | High | Percentage of rooms achieving Target | |
| Overall total | Target Illuminance | 22.3% | 10.8% | 26.0% | 40.9% | 77.7% | |
| | Minimum Illuminance | 6.5% | 26.9% | 27.9% | 38.7% | 93.5% | |

Table 11: Summary of room for Target Illuminance compliance with IS/BS EN 17037:2018. Percentage of rooms at each compliance level. Individual room results can be viewed in Appendix B.

The results indicate a high level of compliance for Minimum level with 93.5% and Target level with 77.7% of the spaces achieving the minimum target for each metric.

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 NA.1 which sets out room specific targets for dwellings and compliance for this is presented in Section 5.1.

6. Sunlight hours in habitable rooms.

6.1 Sunlight Hours

BR209:2022 (third edition) and BS EN 17037 set out recommendations for sunlight hours to be achieved preferably in a main living space. The guidelines recommends the sunlight hours should be assessed preferably on the 21st March over the course of the day. The guidelines sets three levels of achievement. Minimum 1.5h, Medium 3h and High 4h. The guideline does not set the percentage of units that need the achieve the recommendations.

Appendix C details the results per habitable room, indicating if this room has a relevant South facing window. A summary of these results are displayed in the table below.

| Sunlight Hours Summary Table | | | | | | | | | |
|------------------------------|----------------|--------------------------------------|-------|----------------------|-----------------------|--------------------|------------------|--------------------------|-------------------------|
| | Total Units | Rooms with a window within 90° South | | Below recommendation | Minimum >1.5 hours | Medium >3 Hours | High >4 Hours | Number meets criteria | Ratio meets criteria |
| | | No. | Ratio | <1.5 hours | | | | | |
| Overall Total | 120 | 79 | 65.8% | 34 | 55 | 3 | 28 | 86 | 71.7% |

Table 12: Summary of results of assessment of Sunlight Hours

6.2 Comment on EN 17037 Sunlight Hours

The BRE Guidelines recommend maximising the amount of units that have a window within 90° due South but does not have set targets. The guidelines acknowledges that for large developments with site constraints its not possible to achieve south facing windows to all main living spaces. In this development all of the units were assessed, 79 no. (65.8%) have window to a Living room or Kitchen/ Dining room which face within 90° South.

Often 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 of 120 units 71.7% (86 no.) of units have a living spaces achieve the minimum recommended 1.5 direct sunlight hours.

6.3 Conclusion

This scheme is well designed for sunlight, with 71.7% of units meeting the minimum recommended 1.5 direct sunlight hours. This meets the recommendations of the BRE guidelines (2022).

7. Sunlight to gardens and open spaces

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

7.1 Sunlight to amenity within the proposed development

The amenity area within this proposal have been assessed with a calculation of Sun on the Ground on the 21st March. Generated analysis is shown in Figure 6 and the results are set out in Table 13 below.

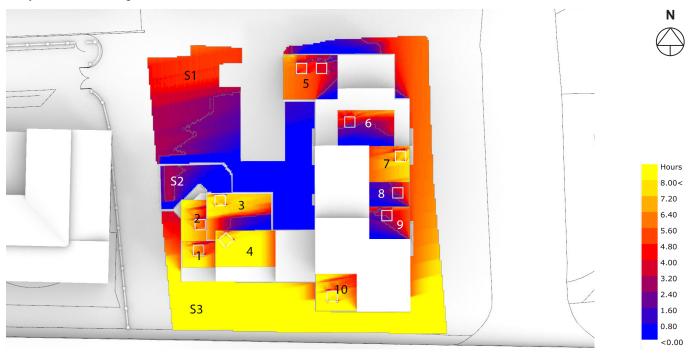


Figure 6: Radiation map of amenity within the Proposed Development, showing available sunlight on 21st March. The scale represents the percentage of daylight received from 0 - 8 hrs.

| | ht on the ground - with | | ı | | 1 | |
|----|-------------------------|---------|--------------------|-----------------------------|--|--|
| ID | Location | Area m2 | Area receiving 2 h | ours sunlight on 21st March | Meets criteria if >50% area receiving 2 hours sunlight on 21st March | |
| | | | % | Area weighted average | | |
| S3 | Communal open space | 1,061.5 | 93.8% | | | |
| S1 | Communal open space | 798.6 | 39.6% | | | |
| | Total | 1,860.1 | | 70.5% | Meets criteria | |
| S2 | Creche | 115.5 | 21.3% | | N | |
| 5 | Terrace 4th floor | 120.4 | 85.8% | | Meets criteria | |
| 1 | Terrace 5th floor | 58.8 | 99.5% | | Meets criteria | |
| 2 | Terrace 6th floor | 52.1 | 98.3% | | Meets criteria | |
| 3 | Terrace 7th floor | 147.2 | 70.1% | | | |
| 6 | Terrace 7th floor | 101.8 | 47.4% | | | |
| | Total | 249.0 | | 60.8% | Meets criteria | |
| 4 | Terrace 8th floor | 108.8 | 99.8% | | | |
| 8 | Terrace 8th floor | 50.5 | 30.0% | | | |
| | Total | 159.3 | | 77.7% | Meets criteria | |
| 7 | Terrace 9th floor | 73.7 | 100.0% | | | |
| 10 | Terrace 9th floor | 94.5 | 99.0% | | | |
| | Total | 168.2 | | 99.4% | Meets criteria | |

Table 13: Calculation of Sun on the Ground to amenity areas within the proposed development.

7.2 Comment on calculation of sun on the ground.

There are a variety of amenity spaces within this development. In some cases there are two spaces per level. Each level meets the BRE criteria of more than 2 hours of sunlight, over 50% of the amenity space, on 21st March, when taken as area weighted average. The creche amenity has lower than recommended sun on the ground, however in a area where young children are playing, some area of shade is preferable.

8. Shadow Diagrams

8.1 BRE Guidance on Shadow Studies

Shadow diagrams are a visual aid to understand where possible shading may occur. 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."

The shadows cast on the September equinox are the same as the March Equinox. They are included here with the Daylight Saving Time (UTC+1) applied, as with the Summer Solstice diagrams.

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. In Winter even low buildings will cast long shadows and it is common for large areas of the ground to be in shadow throughout the day especially in a built up area and sun barely rises above an altitude of 10° during the course of the day. The guidelines recommends that Sunlight at an altitude of 10° or less does not count. Below are the times for the Equinox and Solstice that 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 8.2 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 8.3 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 8.4 shows the existing and proposed shadow diagrams for the Equinox on the 21st September at 2 hourly intervals during the day between 09:00 and 17:00.

Section 8.5 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.

Much of the site is vacant, casting minimal shadows at present. 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.

8.2 Shadow Casting diagrams March Equinox

N



Existing



Figure 7: Shadow diagrams 21 March 09:00 UTC



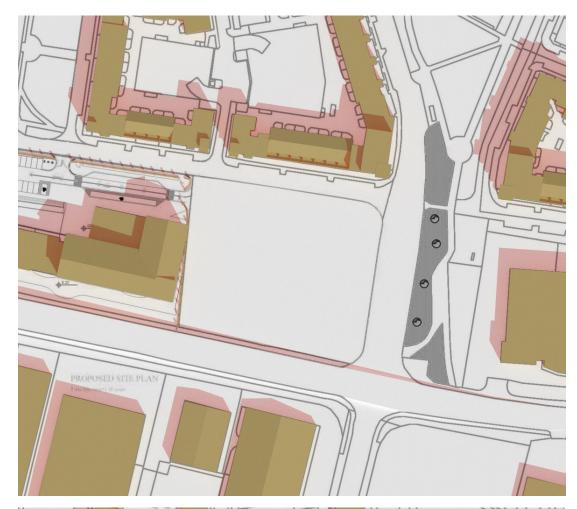




Figure 8: Shadow diagrams 21 March 11:00 UTC







Figure 9: Shadow diagrams 21 March 13:00 UTC





Figure 10: Shadow diagrams 21 March 15:00 UTC

 \mathbb{N}



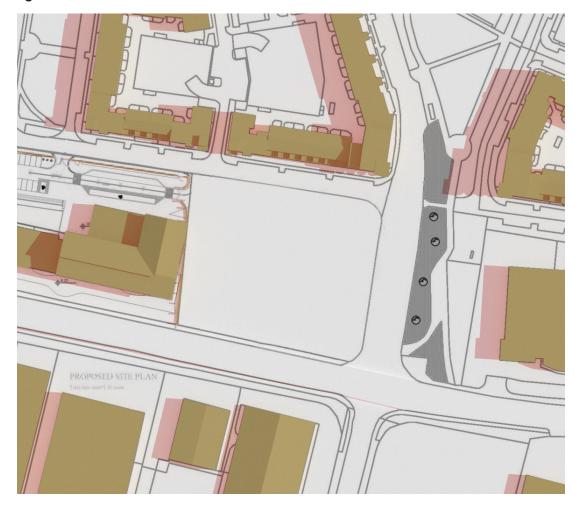
Existing



Figure 11: Shadow diagrams 21 March 17:00 UTC

8.3 Shadow Casting diagrams June Solstice

N



Existing



Figure 12: Shadow diagrams 21 June 09:00 UTC+1







Figure 13: Shadow diagrams 21 June 11:00 UTC+1







Figure 14: Shadow diagrams 21 June 13:00 UTC+1







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



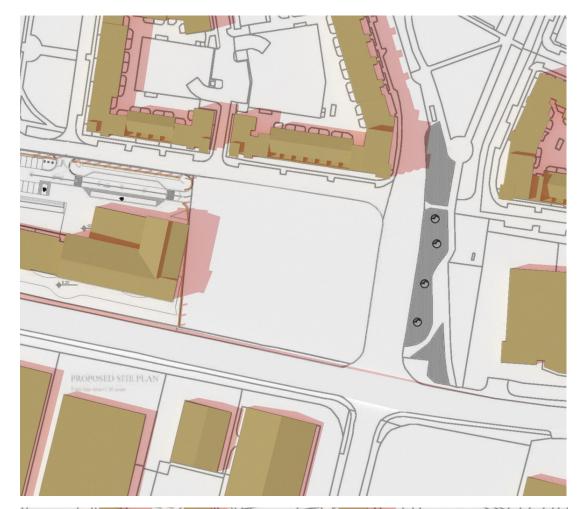




Figure 16: Shadow diagrams 21 June 17:00 UTC+1







Figure 17: Shadow diagrams 21 June 19:00 UTC+1

8.4 Shadow Casting diagrams September Equinox

N



Existing

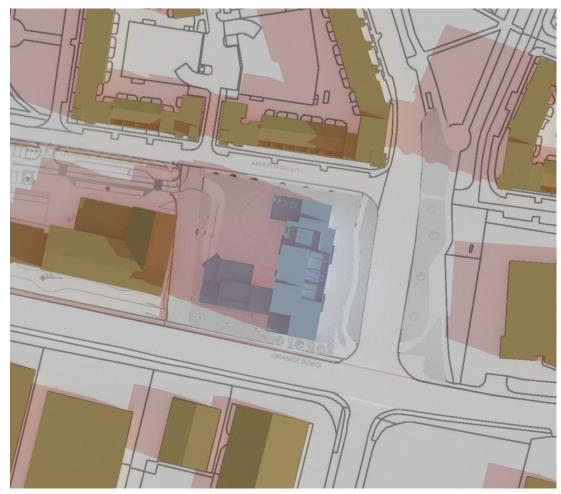
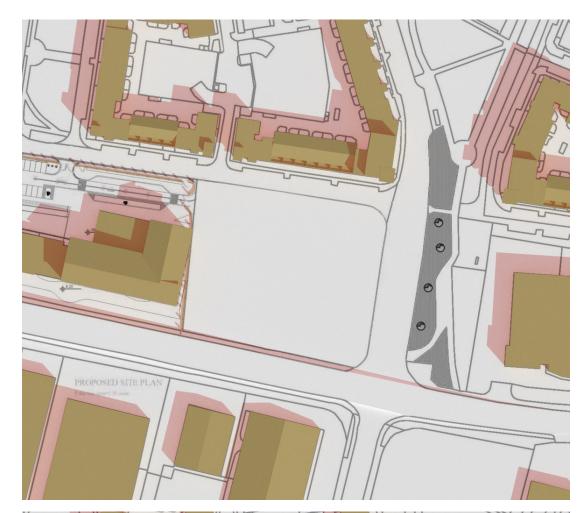


Figure 18: Shadow diagrams 21 September 09:00 UTC+1



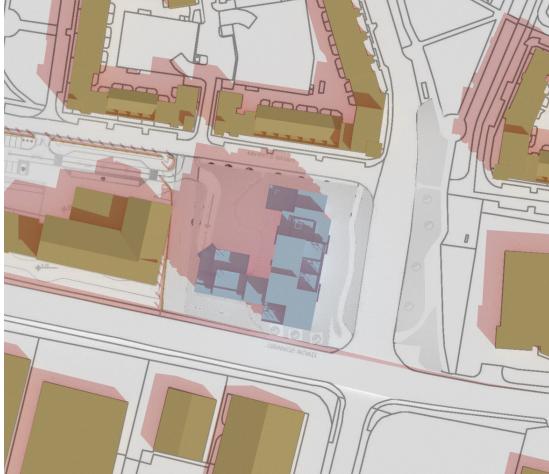


Figure 19: Shadow diagrams 21 September 11:00 UTC+1







Figure 20: Shadow diagrams 21 September 13:00 UTC+1



Existing



Figure 21: Shadow diagrams 21 September 15:00 UTC+1

 \bigvee



Existing



Figure 22: Shadow diagrams 21 September 17:00 UTC+1

8.5 Shadow Casting diagrams December Solstice





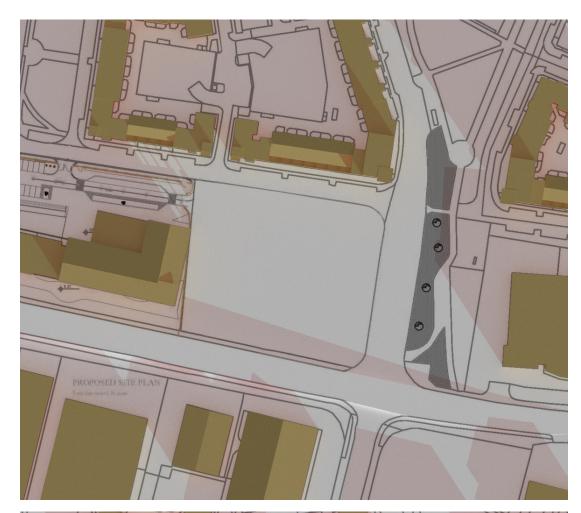
Existing



Proposed

Figure 23: Shadow diagrams 21 December 09:00 UTC

 \mathbb{N}

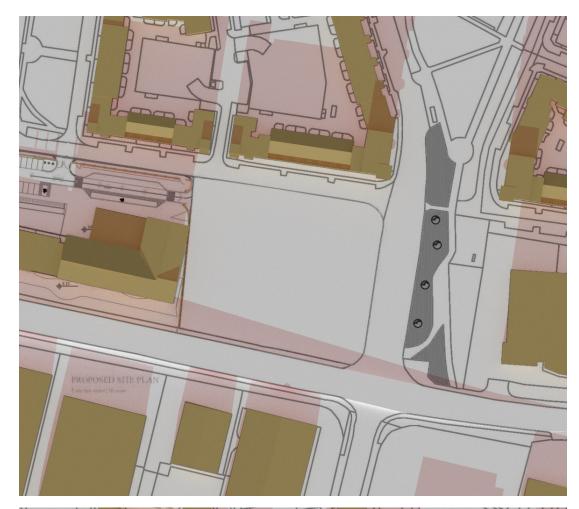


Existing



Figure 24: Shadow diagrams 21 December 11:00 UTC

 \mathbb{N}

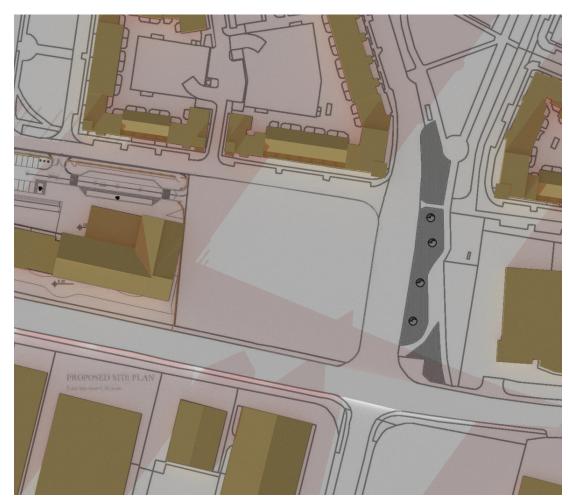


Existing



Figure 25: Shadow diagrams 21 December 13:00 UTC

 \mathbb{N}



Existing

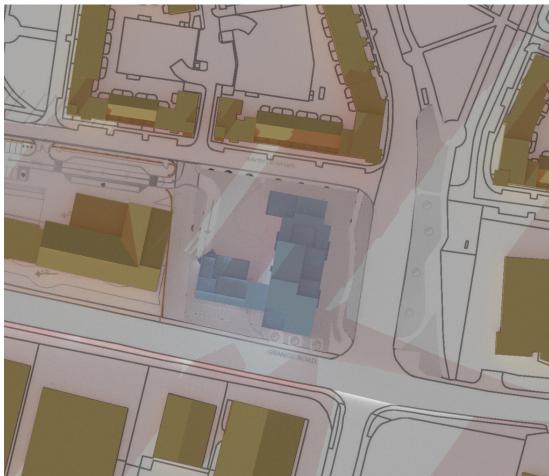


Figure 26: Shadow diagrams 21 December 15:00 UTC

Appendix A -BS EN17037:2021+A1 Minimum room specific Daylight Provision in accordance with UK National Annex Table NA.1.

| Minimum ill | uminance lev | els from BS E | N17037:2018 | +A1:2021 - Ta | able NA.1 | | |
|--------------------|--------------|---------------|-------------|---------------|-------------|---|-------------------|
| 0 | | | | | | 7 .: c | |
| 9 | | m _ | nt so | et | ے | gric ede mun of | ts iria |
| Space ID | Use | Area m2 | Sensor | Target Lux | Mean | % of grid target exceeded: Minimum 50% of grid | Meets Criteria |
| A0-01.1 | LKD | 35.1 | 341 | 200 | 615 | 100.0% | Υ |
| A0-01.2 | Bed | 10.7 | 80 | 100 | 1433 | 100.0% | Y |
| A0-01.3 | Bed | 9.3 | 76 | 100 | 1132 | 100.0% | Y |
| A0-01.4 | Bed | 11.0 | 92 | 100 | 558 | 100.0% | Y |
| A0-02.1 | LKD | 35.6 | 339 | 200 | 970 | 100.0% | Y |
| A0-02.2 | Bed | 8.1 | 66 | 100 | 669 | 100.0% | Υ |
| A0-02.3 | Bed | 11.1 | 89 | 100 | 554 | 100.0% | Υ |
| A0-03.1 | LKD | 32.3 | 288 | 200 | 160 | 19.8% | N |
| A0-03.2 | Bed | 11.0 | 88 | 100 | 899 | 100.0% | Υ |
| A0-03.3 | Bed | 12.1 | 96 | 100 | 652 | 100.0% | Υ |
| A0-04.1 | LKD | 32.3 | 288 | 200 | 342 | 52.4% | Υ |
| A0-04.2 | Bed | 11.0 | 88 | 100 | 1701 | 100.0% | Y |
| A0-04.3 | Bed | 12.0 | 96 | 100 | 1615 | 100.0% | Y |
| A0-05.1 | LKD | 32.3 | 288 | 200 | 145 | 15.6% | N |
| A0-05.2 | Bed | 11.1 | 90 | 100 | 456 | 100.0% | Y |
| A0-05.3 | Bed | 12.1 | 96 | 100 | 350 | 100.0% | Y |
| A0-06.1 | LKD | 32.3 | 288 | 200 | 344 | 51.0% | Y |
| A0-06.2 | Bed | 11.1 | 89 | 100 | 2397 | 100.0% | Y |
| A0-06.3 | Bed | 11.9 | 90 | 100 | 1824 | 100.0% | Y |
| A0-00.3 | Studio | 34.0 | 324 | 200 | 128 | 12.7% | N |
| A0-07.1 | LKD | 32.3 | 288 | 200 | 378 | 56.9% | Y |
| A0-08.1 | Bed | 11.1 | 90 | 100 | 1120 | 100.0% | Y |
| A0-08.3 | Bed | 11.9 | 90 | 100 | 2083 | 100.0% | Y |
| | - | | | | | | |
| A0-09.1 A0-09.2 | LKD | 29.9 | 264 | 200 | 340 2177 | 49.6% 100.0% | N Y |
| | Bed | 10.1 | 81 | 100 | | | |
| A0-10.1 | LKD | 31.3 | 275 | 200 | 2013 | 100.0% | Y |
| A0-10.2 | Bed | 8.2 | 66 | 100 | 1587 | 100.0% | Y |
| A0-10.3 | Bed | 12.7 | 101 | 100 | 1210 | 100.0% | Y |
| A0-11.1 | LKD | 30.1 | 273 | 200 | 770 | 100.0% | Y |
| A0-11.2 | Bed | 8.3 | 64 | 100 | 2679 | 100.0% | Y |
| A0-11.3 | Bed | 13.0 | 102 | 100 | 1987 | 100.0% | Y |
| A1-01.1 | LKD | 35.1 | 341 | 200 | 759 | 100.0% | Y |
| A1-01.2 | Bed | 10.6 | 80 | 100 | 1616 | 100.0% | Y |
| A1-01.3 | Bed | 9.2 | 76 | 100 | 1301 | 100.0% | Y |
| A1-01.4 | Bed | 11.0 | 92 | 100 | 681 | 100.0% | Y |
| A1-02.1 | LKD | 35.6 | 339 | 200 | 1108 | 100.0% | Y |
| A1-02.2 | Bed | 8.1 | 66 | 100 | 815 | 100.0% | Y |
| A1-02.3 | Bed | 11.1 | 88 | 100 | 671 | 100.0% | Y |
| A1-03.1 | LKD | 32.3 | 288 | 200 | 188 | 25.7% | N |
| A1-03.2 | Bed | 10.9 | 88 | 100 | 1054 | 100.0% | Υ |
| A1-03.3 | Bed | 12.1 | 96 | 100 | 767 | 100.0% | Y |
| A1-04.1 | LKD | 32.3 | 288 | 200 | 360 | 56.6% | Y |
| A1-04.2 | Bed | 10.9 | 88 | 100 | 1830 | 100.0% | Y |
| A1-04.3 | Bed | 12.1 | 96 | 100 | 1828 | 100.0% | Y |
| A1-05.1 | LKD | 32.3 | 288 | 200 | 169 | 22.2% | N |
| A1-05.2 | Bed | 11.0 | 88 | 100 | 532 | 100.0% | Υ |
| A1-05.3 | Bed | 12.1 | 96 | 100 | 408 | 100.0% | Υ |
| A1-06.1 | LKD | 32.3 | 288 | 200 | 360 | 56.6% | Υ |
| A1-06.2 | Bed | 11.0 | 88 | 100 | 2228 | 100.0% | Υ |

| Minimum illu | uminance lev | els from BS E | N17037:2018 | +A1:2021 - Ta | able NA.1 | | |
|--------------------|--------------|---------------|-------------|---------------|-----------|---|-------------------|
| 0 | | | | | | ے :b | |
| 9 | | m2 | t t | e e | _ | grid ede mum of | ı.s |
| Space ID | Use | Area m2 | Sensor | Target Lux | Mean | % of grid target exceeded: Minimum 50% of grid | Meets Criteria |
| A1-06.3 | Bed | 11.7 | 96 | 100 | 1674 | 100.0% | Y |
| A1-00.3 | Studio | 34.0 | 324 | 200 | 151 | 17.0% | N N |
| A1-07.1 | LKD | 32.3 | 288 | 200 | 393 | 63.9% | Y |
| A1-08.2 | | | | | 1208 | | Y |
| | Bed | 11.0 | 88 | 100 | | 100.0% | |
| A1-08.3 | Bed | 11.7 | 96 | 100 | 1908 | 100.0% | Y |
| A1-09.1 | LKD | 29.9 | 264 | 200 | 353 | 55.7% | Y |
| A1-09.2 | Bed | 10.1 | 81 | 100 | 2347 | 100.0% | Y |
| A1-10.1 | LKD | 31.3 | 275 | 200 | 1833 | 100.0% | Y |
| A1-10.2 | Bed | 8.2 | 66 | 100 | 1706 | 100.0% | Y |
| A1-10.3 | Bed | 12.7 | 101 | 100 | 1312 | 100.0% | Y |
| A1-11.1 | LKD | 30.1 | 273 | 200 | 749 | 100.0% | Y |
| A1-11.2 | Bed | 8.2 | 64 | 100 | 3107 | 100.0% | Y |
| A1-11.3 | Bed | 12.9 | 100 | 100 | 2314 | 100.0% | Y |
| A2-01.1 | LKD | 35.1 | 341 | 200 | 832 | 100.0% | Y |
| A2-01.2 | Bed | 10.6 | 80 | 100 | 1689 | 100.0% | Y |
| A2-01.3 | Bed | 9.2 | 76 | 100 | 1278 | 100.0% | Y |
| A2-01.4 | Bed | 11.0 | 92 | 100 | 743 | 100.0% | Υ |
| A2-02.1 | LKD | 35.6 | 339 | 200 | 1171 | 100.0% | Y |
| A2-02.2 | Bed | 8.1 | 66 | 100 | 889 | 100.0% | Y |
| A2-02.3 | Bed | 11.1 | 88 | 100 | 729 | 100.0% | Y |
| A2-03.1 | LKD | 32.3 | 288 | 200 | 207 | 28.8% | N |
| A2-03.2 | Bed | 10.9 | 88 | 100 | 1145 | 100.0% | Υ |
| A2-03.3 | Bed | 12.1 | 96 | 100 | 830 | 100.0% | Y |
| A2-04.1 | LKD | 32.3 | 288 | 200 | 369 | 60.8% | Y |
| A2-04.2 | Bed | 10.9 | 88 | 100 | 1865 | 100.0% | Y |
| A2-04.3 | Bed | 12.1 | 96 | 100 | 1889 | 100.0% | Y |
| A2-05.1 | LKD | 32.3 | 288 | 200 | 191 | 29.9% | N |
| A2-05.2 | Bed | 11.0 | 88 | 100 | 593 | 100.0% | Y |
| A2-05.3 | Bed | 12.1 | 96 | 100 | 451 | 100.0% | Y |
| A2-06.1 | LKD | 32.3 | 288 | 200 | 371 | 59.4% | Y |
| A2-06.2 | Bed | 11.0 | 88 | 100 | 2236 | 100.0% | Y |
| A2-06.3 | Bed | 11.7 | 96 | 100 | 1675 | 100.0% | Y |
| A2-07.1 | Studio | 34.0 | 324 | 200 | 169 | 20.7% | N |
| A2-07.1 | LKD | 32.3 | 288 | 200 | 402 | 66.3% | Y |
| A2-08.2 | Bed | 11.0 | 88 | 100 | 1256 | 100.0% | Y |
| A2-08.3 | Bed | 11.7 | 96 | 100 | 1931 | 100.0% | Y |
| A2-00.3 A2-09.1 | LKD | 29.9 | 264 | 200 | 364 | 58.7% | Y |
| A2-09.1 A2-09.2 | Bed | 10.1 | 81 | 100 | 2395 | 100.0% | Y |
| A2-09.2 A2-10.1 | LKD | 31.4 | 275 | 200 | 2395 | 100.0% | Y |
| | | 8.2 | | 100 | 1717 | | Y |
| A2-10.2 | Bed | | 66 | | | 100.0% | |
| A2-10.3 | Bed | 12.7 | 101 | 100 | 1335 | 100.0% | Y |
| A2-11.1 | LKD | 30.1 | 273 | 200 | 622 | 90.8% | Y |
| A2-11.2 | Bed | 8.3 | 64 | 100 | 3186 | 100.0% | Y |
| A2-11.3 | Bed | 12.9 | 101 | 100 | 2366 | 100.0% | Y |
| A2-12.1 | LKD | 31.4 | 293 | 200 | 270 | 27.3% | N |
| A2-12.2 | Bed | 7.7 | 53 | 100 | 2438 | 100.0% | Y |
| A2-12.3 | Bed | 12.0 | 97 | 100 | 1487 | 100.0% | Y |
| A2-13.1 | LKD | 35.3 | 321 | 200 | 1314 | 100.0% | Y |
| A2-13.2 | Bed | 12.0 | 98 | 100 | 1879 | 100.0% | Y |
| A2-13.3 | Bed | 15.2 | 126 | 100 | 1540 | 100.0% | Y |
| A2-14.1 | LKD | 36.7 | 327 | 200 | 1035 | 78.3% | Y |

| Minimum ille | uminance lev | els from BS E | N17037:2018 | +A1:2021 - Ta | able NA.1 | | |
|--------------------|--------------|---------------|-------------|---------------|-----------|---|-------------------|
| | | | | | | ے :b | |
| 9 | | m2 | t t | e e | _ | grid ede mum of | ria Lia |
| Space ID | Use | Area m2 | Sensor | Target Lux | Mean | % of grid target exceeded: Minimum 50% of grid | Meets Criteria |
| A2-14.2 | Bed | 12.3 | 103 | 100 | 924 | 100.0% | Y |
| A2-14.2 A2-14.3 | Bed | 8.9 | 69 | 100 | 1151 | 100.0% | Y |
| A2-14.3 A2-15.1 | LKD | 27.5 | 242 | 200 | 704 | 100.0% | Y |
| | | | | | | | Y |
| A2-15.2 | Bed | 12.9 | 100 | 100 | 890 | 100.0% | |
| A2-16.1 | Studio | 28.6 | 255 | 200 | 401 | 100.0% | Y |
| A3-01.1 | LKD | 35.1 | 341 | 200 | 923 | 100.0% | Y |
| A3-01.2 | Bed | 10.6 | 80 | 100 | 1755 | 100.0% | Y |
| A3-01.3 | Bed | 9.2 | 76 | 100 | 1385 | 100.0% | Y |
| A3-01.4 | Bed | 11.0 | 92 | 100 | 798 | 100.0% | Y |
| A3-02.1 | LKD | 35.6 | 339 | 200 | 1217 | 100.0% | Y |
| A3-02.2 | Bed | 8.1 | 66 | 100 | 953 | 100.0% | Y |
| A3-02.3 | Bed | 11.1 | 88 | 100 | 786 | 100.0% | Y |
| A3-03.1 | LKD | 32.3 | 288 | 200 | 231 | 37.5% | N |
| A3-03.2 | Bed | 10.9 | 88 | 100 | 1254 | 100.0% | Y |
| A3-03.3 | Bed | 12.1 | 96 | 100 | 923 | 100.0% | Y |
| A3-04.1 | LKD | 32.3 | 288 | 200 | 375 | 61.8% | Y |
| A3-04.2 | Bed | 10.9 | 88 | 100 | 1892 | 100.0% | Υ |
| A3-04.3 | Bed | 12.1 | 96 | 100 | 1934 | 100.0% | Y |
| A3-05.1 | LKD | 32.3 | 288 | 200 | 213 | 35.1% | N |
| A3-05.2 | Bed | 11.0 | 88 | 100 | 708 | 100.0% | Y |
| A3-05.3 | Bed | 12.1 | 96 | 100 | 532 | 100.0% | Y |
| A3-06.1 | LKD | 32.3 | 288 | 200 | 375 | 60.8% | Υ |
| A3-06.2 | Bed | 11.0 | 88 | 100 | 2245 | 100.0% | Y |
| A3-06.3 | Bed | 11.7 | 96 | 100 | 1684 | 100.0% | Y |
| A3-07.1 | Studio | 34.0 | 324 | 200 | 195 | 28.7% | N |
| A3-08.1 | LKD | 32.3 | 288 | 200 | 406 | 69.1% | Y |
| A3-08.2 | Bed | 11.0 | 88 | 100 | 1274 | 100.0% | Y |
| A3-08.3 | Bed | 11.7 | 96 | 100 | 1942 | 100.0% | Y |
| A3-09.1 | LKD | 29.9 | 264 | 200 | 367 | 59.1% | Y |
| A3-09.2 | Bed | 10.1 | 81 | 100 | 2404 | 100.0% | Y |
| A3-10.1 | LKD | 31.4 | 275 | 200 | 1893 | 100.0% | Y |
| A3-10.2 | Bed | 8.2 | 66 | 100 | 1735 | 100.0% | Y |
| A3-10.3 | Bed | 12.7 | 101 | 100 | 1340 | 100.0% | Y |
| A3-10.3 | LKD | 30.1 | 273 | 200 | 644 | 98.2% | Y |
| A3-11.2 | Bed | 8.3 | 64 | 100 | 3226 | 100.0% | Y |
| A3-11.2 | Bed | 12.9 | 101 | 100 | 2410 | 100.0% | Y |
| A3-11.3 | LKD | 31.4 | 293 | 200 | 279 | 30.4% | N |
| A3-12.1 | Bed | 7.7 | 53 | 100 | 2460 | 100.0% | Y |
| A3-12.2 A3-12.3 | Bed | 12.0 | 97 | 100 | 1509 | 100.0% | Y |
| | LKD | 35.3 | | 200 | 1318 | | Y |
| A3-13.1 | | | 321 | | | 100.0% | |
| A3-13.2 | Bed | 12.0 | 98 | 100 | 1881 | 100.0% | Y |
| A3-13.3 | Bed | 15.2 | 126 | 100 | 1553 | 100.0% | Y |
| A3-14.1 | LKD | 36.7 | 327 | 200 | 1045 | 85.0% | Y |
| A3-14.2 | Bed | 12.3 | 103 | 100 | 989 | 100.0% | Y |
| A3-14.3 | Bed | 8.9 | 69 | 100 | 1250 | 100.0% | Y |
| A3-15.1 | LKD | 27.5 | 242 | 200 | 814 | 100.0% | Y |
| A3-15.2 | Bed | 12.9 | 100 | 100 | 973 | 100.0% | Y |
| A3-16.1 | Studio | 28.6 | 255 | 200 | 327 | 99.2% | Y |
| A4-01.1 | LKD | 35.6 | 339 | 200 | 1314 | 100.0% | Y |
| A4-01.2 | Bed | 8.1 | 66 | 100 | 992 | 100.0% | Y |
| A4-01.3 | Bed | 11.1 | 88 | 100 | 820 | 100.0% | Y |

| Minimum illi | uminance lev | els from BS E | N17037:2018 | +A1:2021 - Ta | able NA.1 | | |
|--------------------|--------------|---------------|-------------|---------------|--------------|---|-------------------|
| | | | | | | ے :b | |
| 9 | | m2 | t t | e e | _ | grid ede mum of | ria Lia |
| Space ID | Use | Area m2 | Sensor | Target Lux | Mean | % of grid target exceeded: Minimum 50% of grid | Meets Criteria |
| A4-02.1 | LKD | 32.3 | 288 | 200 | 252 | 42.4% | N |
| A4-02.1 A4-02.2 | Bed | 10.9 | 88 | 100 | 1349 | 100.0% | Y |
| A4-02.2 A4-02.3 | Bed | 12.1 | 96 | 100 | 1059 | 100.0% | Y |
| | LKD | | | | | 64.6% | Y |
| A4-03.1 A4-03.2 | Bed | 32.3 10.9 | 288 | 200 100 | 380 | | Y |
| A4-03.2 A4-03.3 | Bed | 10.9 | 96 | 100 | 1895 1979 | 100.0% | Y |
| | + | | | | | | |
| A4-04.1 | LKD | 32.3 | 288 | 200 | 238 | 40.6% | N |
| A4-04.2 | Bed | 11.0 | 88 | 100 | 835 | 100.0% | Y |
| A4-04.3 | Bed | 12.1 | 96 | 100 | 666 | 100.0% | Y |
| A4-05.1 | LKD | 32.3 | 288 | 200 | 380 | 63.2% | Y |
| A4-05.2 | Bed | 11.0 | 88 | 100 | 2272 | 100.0% | Y |
| A4-05.3 | Bed | 11.7 | 96 | 100 | 1690 | 100.0% | Y |
| A4-06.1 | Studio | 34.0 | 324 | 200 | 234 | 36.1% | N |
| A4-07.1 | LKD | 32.3 | 288 | 200 | 412 | 69.1% | Y |
| A4-07.2 | Bed | 11.0 | 88 | 100 | 1280 | 100.0% | Y |
| A4-07.3 | Bed | 11.7 | 96 | 100 | 1941 | 100.0% | Y |
| A4-08.1 | LKD | 29.9 | 264 | 200 | 371 | 60.2% | Y |
| A4-09.2 | Bed | 8.2 | 66 | 11 | 1745 | 100.0% | Y |
| A4-08.2 | Bed | 10.1 | 81 | 100 | 2420 | 100.0% | Y |
| A4-09.3 | Bed | 12.7 | 101 | 100 | 1349 | 100.0% | Y |
| A4-09.1 | LKD | 31.4 | 275 | 200 | 2369 | 100.0% | Y |
| A4-10.1 | LKD | 30.1 | 273 | 200 | 658 | 98.5% | Y |
| A4-10.2 | Bed | 8.3 | 64 | 100 | 3273 | 100.0% | Y |
| A4-10.3 | Bed | 12.9 | 101 | 100 | 2437 | 100.0% | Y |
| A4-11.1 | LKD | 31.4 | 293 | 200 | 281 | 31.1% | N |
| A4-11.2 | Bed | 7.7 | 53 | 100 | 2477 | 100.0% | Y |
| A4-11.3 | Bed | 12.0 | 97 | 100 | 1521 | 100.0% | Υ |
| A4-12.1 | LKD | 35.3 | 321 | 200 | 1334 | 100.0% | Υ |
| A4-12.2 | Bed | 12.0 | 98 | 100 | 1897 | 100.0% | Y |
| A4-12.3 | Bed | 15.2 | 126 | 100 | 1558 | 100.0% | Y |
| A4-13.1 | LKD | 36.7 | 327 | 200 | 1091 | 86.5% | Y |
| A4-13.2 | Bed | 12.3 | 103 | 100 | 1055 | 100.0% | Y |
| A4-13.3 | Bed | 8.9 | 69 | 100 | 1323 | 100.0% | Y |
| A4-14.1 | LKD | 27.5 | 242 | 200 | 870 | 100.0% | Y |
| A4-14.2 | Bed | 12.9 | 100 | 100 | 1040 | 100.0% | Y |
| A4-15.1 | Studio | 28.6 | 255 | 200 | 341 | 100.0% | Y |
| A5-01.1 | LKD | 32.3 | 288 | 200 | 275 | 47.6% | N |
| A5-01.2 | Bed | 10.9 | 88 | 100 | 1426 | 100.0% | Y |
| A5-01.3 | Bed | 12.1 | 96 | 100 | 2232 | 100.0% | Y |
| A5-02.1 | LKD | 32.3 | 288 | 200 | 383 | 64.9% | Y |
| A5-02.2 | Bed | 10.9 | 88 | 100 | 1908 | 100.0% | Y |
| A5-02.3 | Bed | 12.1 | 96 | 100 | 2036 | 100.0% | Y |
| A5-03.1 | LKD | 32.3 | 288 | 200 | 263 | 45.8% | N |
| A5-03.2 | Bed | 11.0 | 88 | 100 | 977 | 100.0% | Y |
| A5-03.3 | Bed | 12.1 | 96 | 100 | 804 | 100.0% | Y |
| A5-04.1 | LKD | 32.3 | 288 | 200 | 385 | 63.9% | Y |
| A5-04.2 | Bed | 11.0 | 88 | 100 | 2282 | 100.0% | Y |
| A5-04.3 | Bed | 11.7 | 96 | 100 | 1705 | 100.0% | Y |
| A5-05.1 | Studio | 34.0 | 324 | 200 | 297 | 46.6% | N N |
| A5-05.1 | LKD | 32.3 | 288 | 200 | 413 | 72.9% | Y |
| A5-06.2 | Bed | 11.0 | 88 | 100 | 1275 | 100.0% | Y |
| AJ-00.Z | l ped | 11.0 | 08 | 100 | 12/5 | 100.0% | ı ı |

| Second Part | Minimum illi | uminance lev | els from BS E | N17037:2018 | +A1:2021 - Ta | able NA.1 | | |
|--|--------------|--------------|---------------|-------------|---------------|-----------|-------------------------------------|------|
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| AS-08.3 Bed 11.7 96 100 1984 100.0% Y | 9 | | m2 | t t | e e | _ | grid ede mum of | ığ. |
| AS-08.3 Bed 11.7 96 100 1984 100.0% Y | Spac | Se | Area | Sens | arg. | /lear | % of xce Ainir 30% grid | /ee/ |
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| AS-07.2 Bed 10.1 B1 100 2428 100.0% Y AS-08.1 LKD 31.4 275 200 11927 100.0% Y AS-08.2 Bed 8.2 66 100 11741 100.0% Y AS-08.3 Bed 112.7 101 100 103 1347 100.0% Y AS-08.3 Bed 112.7 101 100 103 1347 100.0% Y AS-08.3 Bed 112.7 101 100 103 1347 100.0% Y AS-08.3 Bed 8.3 Bed 100 3298 100.0% Y AS-08.3 Bed 8.3 Bed 100 3298 100.0% Y AS-08.3 Bed 112.9 101 100 2462 100.0% Y AS-08.3 Bed 112.9 101 100 2462 100.0% Y AS-08.3 Bed 112.9 101 100 2462 100.0% Y AS-08.3 Bed 17.7 53 100 2588 100.0% Y AS-10.1 LKD 31.4 293 200 287 31.7% N AS-10.2 Bed 17.7 53 100 2588 100.0% Y AS-11.1 LKD 34.1 320 200 397 42.5% N AS-11.1 Bed 17.7 126 100 2753 100.0% Y AS-11.1 Bed 18.2 33 100 2765 100.0% Y AS-11.4 Bed 16.2 126 100 1578 100.0% Y AS-11.4 Bed 16.2 126 100 1578 100.0% Y AS-11.1 LKD 27.5 242 200 1104 100.0% Y AS-12.2 Bed 19.9 100 100 100 100 100 Y AS-12.2 Bed 19.9 100 100 100 100 Y AS-12.2 Bed 19.9 100 100 100 100 Y AS-13.1 Studio 28.6 255 200 352 100.0% Y AS-13.1 Bed 28.2 33 100 2665 100.0% Y AS-14.1 LKD 32.3 2288 200 422 268 150.0% Y AS-13.1 Bed 31.1 21 Bed 100 2585 100.0% Y AS-14.1 LKD 32.3 288 200 100 100 100 100 100 100 100 100 100 | | | | | | | | |
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| A6-02.2 Bed 10.9 88 100 1957 100.0% Y A6-02.3 Bed 12.1 96 100 2067 100.0% Y A6-03.1 LKD 32.3 288 200 293 51.0% Y A6-03.1 LKD 12.1 96 200 916 100.0% Y A6-03.2 Bed 11.0 88 100 1070 100.0% Y A6-04.1 LKD 32.3 288 200 391 65.6% Y A6-04.2 Bed 11.0 88 100 2292 100.0% Y A6-04.3 Bed 11.7 96 100 1708 100.0% Y A6-04.3 Bed 11.7 96 100 1708 100.0% Y A6-06.1 LKD 32.3 288 200 415 72.9% Y A6-06.1 LKD 32.3 288 200 | A6-01.3 | Bed | 12.1 | 96 | 100 | 2263 | 100.0% | Y |
| A6-02.3 Bed 12.1 96 100 2067 100.0% Y A6-03.1 LKD 32.3 288 200 293 51.0% Y A6-03.1 LKD 12.1 96 200 916 100.0% Y A6-03.2 Bed 11.0 88 100 1070 100.0% Y A6-04.1 LKD 32.3 288 200 391 65.6% Y A6-04.2 Bed 11.0 88 100 2292 100.0% Y A6-04.3 Bed 11.7 96 100 1708 100.0% Y A6-05.1 Studio 34.0 324 200 384 68.8% Y A6-06.1 LKD 32.3 288 200 415 72.9% Y A6-06.1 LKD 32.3 288 200 415 72.9% Y A6-06.1 LKD 32.3 288 100 <td>A6-02.1</td> <td>LKD</td> <td>32.3</td> <td>288</td> <td>200</td> <td>574</td> <td>91.3%</td> <td>Y</td> | A6-02.1 | LKD | 32.3 | 288 | 200 | 574 | 91.3% | Y |
| A6-03.1 LKD 32.3 288 200 293 51.0% Y A6-03.1 LKD 12.1 96 200 916 100.0% Y A6-03.2 Bed 11.0 88 100 1070 100.0% Y A6-04.1 LKD 32.3 288 200 391 65.6% Y A6-04.2 Bed 11.0 88 100 2292 100.0% Y A6-04.3 Bed 11.7 96 100 1708 100.0% Y A6-05.1 Studio 34.0 324 200 384 68.8% Y A6-05.1 LKD 32.3 288 200 415 72.9% Y A6-06.1 LKD 32.3 288 200 415 72.9% Y A6-06.2 Bed 11.0 88 100 1277 100.0% Y A6-07.1 LKD 29.9 264 200 <td>A6-02.2</td> <td>Bed</td> <td>10.9</td> <td>88</td> <td>100</td> <td>1957</td> <td>100.0%</td> <td>Y</td> | A6-02.2 | Bed | 10.9 | 88 | 100 | 1957 | 100.0% | Y |
| A6-03.1 LKD 12.1 96 200 916 100.0% Y A6-03.2 Bed 11.0 88 100 1070 100.0% Y A6-04.1 LKD 32.3 288 200 391 65.6% Y A6-04.2 Bed 11.0 88 100 2292 100.0% Y A6-04.3 Bed 11.7 96 100 1708 100.0% Y A6-05.1 Studio 34.0 324 200 384 68.8% Y A6-05.1 LKD 32.3 288 200 415 72.9% Y A6-06.1 LKD 32.3 288 200 415 72.9% Y A6-06.2 Bed 11.0 88 100 1277 100.0% Y A6-06.3 Bed 11.7 96 100 1962 100.0% Y A6-07.1 LKD 29.9 264 200 <td>A6-02.3</td> <td>Bed</td> <td>12.1</td> <td>96</td> <td>100</td> <td>2067</td> <td>100.0%</td> <td>Y</td> | A6-02.3 | Bed | 12.1 | 96 | 100 | 2067 | 100.0% | Y |
| A6-03.2 Bed 11.0 88 100 1070 100.0% Y A6-04.1 LKD 32.3 288 200 391 65.6% Y A6-04.2 Bed 11.0 88 100 2292 100.0% Y A6-04.3 Bed 11.7 96 100 1708 100.0% Y A6-04.3 Bed 11.7 96 100 1708 100.0% Y A6-04.3 Bed 11.7 96 100 1708 100.0% Y A6-04.1 LKD 32.3 288 200 415 72.9% Y A6-06.2 Bed 11.0 88 100 1277 100.0% Y A6-06.3 Bed 11.7 96 100 1962 100.0% Y A6-07.1 LKD 29.9 264 200 375 61.0% Y A6-08.1 LKD 31.4 275 200 <td>A6-03.1</td> <td>LKD</td> <td>32.3</td> <td>288</td> <td>200</td> <td>293</td> <td>51.0%</td> <td>Y</td> | A6-03.1 | LKD | 32.3 | 288 | 200 | 293 | 51.0% | Y |
| A6-04.1 LKD 32.3 288 200 391 65.6% Y A6-04.2 Bed 11.0 88 100 2292 100.0% Y A6-04.3 Bed 11.7 96 100 1708 100.0% Y A6-05.1 Studio 34.0 324 200 384 68.8% Y A6-05.1 LKD 32.3 288 200 415 72.9% Y A6-06.1 LKD 32.3 288 200 415 72.9% Y A6-06.2 Bed 11.0 88 100 1277 100.0% Y A6-06.3 Bed 11.7 96 100 1962 100.0% Y A6-07.1 LKD 29.9 264 200 375 61.0% Y A6-07.2 Bed 10.1 81 100 2430 100.0% Y A6-08.1 LKD 31.4 275 200 <td>A6-03.1</td> <td>LKD</td> <td>12.1</td> <td>96</td> <td>200</td> <td>916</td> <td>100.0%</td> <td>Y</td> | A6-03.1 | LKD | 12.1 | 96 | 200 | 916 | 100.0% | Y |
| A6-04.2 Bed 11.0 88 100 2292 100.0% Y A6-04.3 Bed 11.7 96 100 1708 100.0% Y A6-05.1 Studio 34.0 324 200 384 68.8% Y A6-06.1 LKD 32.3 288 200 415 72.9% Y A6-06.2 Bed 11.0 88 100 1277 100.0% Y A6-06.3 Bed 11.7 96 100 1962 100.0% Y A6-07.1 LKD 29.9 264 200 375 61.0% Y A6-07.2 Bed 10.1 81 100 2430 100.0% Y A6-08.1 LKD 31.4 275 200 2403 100.0% Y A6-08.2 Bed 8.2 66 100 1749 100.0% Y A6-08.3 Bed 12.7 101 100< | A6-03.2 | Bed | 11.0 | 88 | 100 | 1070 | 100.0% | Y |
| A6-04.3 Bed 11.7 96 100 1708 100.0% Y A6-05.1 Studio 34.0 324 200 384 68.8% Y A6-06.1 LKD 32.3 288 200 415 72.9% Y A6-06.2 Bed 11.0 88 100 1277 100.0% Y A6-06.3 Bed 11.7 96 100 1962 100.0% Y A6-07.1 LKD 29.9 264 200 375 61.0% Y A6-07.2 Bed 10.1 81 100 2430 100.0% Y A6-08.1 LKD 31.4 275 200 2403 100.0% Y A6-08.2 Bed 8.2 66 100 1749 100.0% Y A6-09.3 Bed 12.7 101 100 1352 100.0% Y A6-09.2 Bed 8.3 64 100 </td <td>A6-04.1</td> <td>LKD</td> <td>32.3</td> <td>288</td> <td>200</td> <td>391</td> <td>65.6%</td> <td>Y</td> | A6-04.1 | LKD | 32.3 | 288 | 200 | 391 | 65.6% | Y |
| A6-05.1 Studio 34.0 324 200 384 68.8% Y A6-06.1 LKD 32.3 288 200 415 72.9% Y A6-06.2 Bed 11.0 88 100 1277 100.0% Y A6-06.3 Bed 11.7 96 100 1962 100.0% Y A6-07.1 LKD 29.9 264 200 375 61.0% Y A6-07.2 Bed 10.1 81 100 2430 100.0% Y A6-08.1 LKD 31.4 275 200 2403 100.0% Y A6-08.2 Bed 8.2 66 100 1749 100.0% Y A6-08.3 Bed 12.7 101 100 1352 100.0% Y A6-09.1 LKD 30.1 273 200 677 98.9% Y A6-09.2 Bed 8.3 64 100 <td>A6-04.2</td> <td>Bed</td> <td>11.0</td> <td>88</td> <td>100</td> <td>2292</td> <td>100.0%</td> <td>Y</td> | A6-04.2 | Bed | 11.0 | 88 | 100 | 2292 | 100.0% | Y |
| A6-06.1 LKD 32.3 288 200 415 72.9% Y A6-06.2 Bed 11.0 88 100 1277 100.0% Y A6-06.3 Bed 11.7 96 100 1962 100.0% Y A6-07.1 LKD 29.9 264 200 375 61.0% Y A6-07.2 Bed 10.1 81 100 2430 100.0% Y A6-08.1 LKD 31.4 275 200 2403 100.0% Y A6-08.2 Bed 8.2 66 100 1749 100.0% Y A6-08.3 Bed 12.7 101 100 1352 100.0% Y A6-09.1 LKD 30.1 273 200 677 98.9% Y A6-09.2 Bed 8.3 64 100 3316 100.0% Y A6-10.1 LKD 31.4 293 200 <td>A6-04.3</td> <td>Bed</td> <td>11.7</td> <td>96</td> <td>100</td> <td>1708</td> <td>100.0%</td> <td>Y</td> | A6-04.3 | Bed | 11.7 | 96 | 100 | 1708 | 100.0% | Y |
| A6-06.2 Bed 11.0 88 100 1277 100.0% Y A6-06.3 Bed 11.7 96 100 1962 100.0% Y A6-07.1 LKD 29.9 264 200 375 61.0% Y A6-07.2 Bed 10.1 81 100 2430 100.0% Y A6-08.1 LKD 31.4 275 200 2403 100.0% Y A6-08.2 Bed 8.2 66 100 1749 100.0% Y A6-08.3 Bed 12.7 101 100 1352 100.0% Y A6-08.3 Bed 12.7 101 100 1352 100.0% Y A6-09.1 LKD 30.1 273 200 677 98.9% Y A6-09.2 Bed 8.3 64 100 3316 100.0% Y A6-10.1 LKD 31.4 293 200 </td <td>A6-05.1</td> <td>Studio</td> <td>34.0</td> <td>324</td> <td>200</td> <td>384</td> <td>68.8%</td> <td>Y</td> | A6-05.1 | Studio | 34.0 | 324 | 200 | 384 | 68.8% | Y |
| A6-06.3 Bed 11.7 96 100 1962 100.0% Y A6-07.1 LKD 29.9 264 200 375 61.0% Y A6-07.2 Bed 10.1 81 100 2430 100.0% Y A6-08.1 LKD 31.4 275 200 2403 100.0% Y A6-08.2 Bed 8.2 66 100 1749 100.0% Y A6-08.3 Bed 12.7 101 100 1352 100.0% Y A6-09.1 LKD 30.1 273 200 677 98.9% Y A6-09.2 Bed 8.3 64 100 3316 100.0% Y A6-09.3 Bed 12.9 101 100 2468 100.0% Y A6-10.1 LKD 31.4 293 200 289 33.4% N A6-10.2 Bed 7.7 53 100 | A6-06.1 | LKD | 32.3 | 288 | 200 | 415 | 72.9% | Y |
| A6-07.1 LKD 29.9 264 200 375 61.0% Y A6-07.2 Bed 10.1 81 100 2430 100.0% Y A6-08.1 LKD 31.4 275 200 2403 100.0% Y A6-08.2 Bed 8.2 66 100 1749 100.0% Y A6-08.3 Bed 12.7 101 100 1352 100.0% Y A6-09.1 LKD 30.1 273 200 677 98.9% Y A6-09.2 Bed 8.3 64 100 3316 100.0% Y A6-09.3 Bed 12.9 101 100 2468 100.0% Y A6-10.1 LKD 31.4 293 200 289 33.4% N A6-10.2 Bed 7.7 53 100 2535 100.0% Y A6-11.1 LKD 34.1 320 200 <td>A6-06.2</td> <td>Bed</td> <td>11.0</td> <td>88</td> <td>100</td> <td>1277</td> <td>100.0%</td> <td>Y</td> | A6-06.2 | Bed | 11.0 | 88 | 100 | 1277 | 100.0% | Y |
| A6-07.2 Bed 10.1 81 100 2430 100.0% Y A6-08.1 LKD 31.4 275 200 2403 100.0% Y A6-08.2 Bed 8.2 66 100 1749 100.0% Y A6-08.3 Bed 12.7 101 100 1352 100.0% Y A6-09.1 LKD 30.1 273 200 677 98.9% Y A6-09.2 Bed 8.3 64 100 3316 100.0% Y A6-09.3 Bed 12.9 101 100 2468 100.0% Y A6-10.1 LKD 31.4 293 200 289 33.4% N A6-10.2 Bed 7.7 53 100 2535 100.0% Y A6-10.3 Bed 12.0 97 100 1566 100.0% Y A6-11.1 LKD 34.1 320 200 <td>A6-06.3</td> <td>Bed</td> <td>11.7</td> <td>96</td> <td>100</td> <td>1962</td> <td>100.0%</td> <td>Y</td> | A6-06.3 | Bed | 11.7 | 96 | 100 | 1962 | 100.0% | Y |
| A6-08.1 LKD 31.4 275 200 2403 100.0% Y A6-08.2 Bed 8.2 66 100 1749 100.0% Y A6-08.3 Bed 12.7 101 100 1352 100.0% Y A6-09.1 LKD 30.1 273 200 677 98.9% Y A6-09.2 Bed 8.3 64 100 3316 100.0% Y A6-09.3 Bed 12.9 101 100 2468 100.0% Y A6-10.1 LKD 31.4 293 200 289 33.4% N A6-10.2 Bed 7.7 53 100 2535 100.0% Y A6-10.3 Bed 12.0 97 100 1566 100.0% Y A6-11.1 LKD 34.1 320 200 1066 100.0% Y A6-11.2 Bed 14.1 118 100 </td <td>A6-07.1</td> <td>LKD</td> <td>29.9</td> <td>264</td> <td>200</td> <td>375</td> <td>61.0%</td> <td>Y</td> | A6-07.1 | LKD | 29.9 | 264 | 200 | 375 | 61.0% | Y |
| A6-08.2 Bed 8.2 66 100 1749 100.0% Y A6-08.3 Bed 12.7 101 100 1352 100.0% Y A6-09.1 LKD 30.1 273 200 677 98.9% Y A6-09.2 Bed 8.3 64 100 3316 100.0% Y A6-09.3 Bed 12.9 101 100 2468 100.0% Y A6-10.1 LKD 31.4 293 200 289 33.4% N A6-10.2 Bed 7.7 53 100 2535 100.0% Y A6-10.3 Bed 12.0 97 100 1566 100.0% Y A6-11.1 LKD 34.1 320 200 1066 100.0% Y A6-11.2 Bed 14.1 118 100 2741 100.0% Y A6-11.3 Bed 7.6 55 100 <td>A6-07.2</td> <td>Bed</td> <td>10.1</td> <td>81</td> <td>100</td> <td>2430</td> <td>100.0%</td> <td>Y</td> | A6-07.2 | Bed | 10.1 | 81 | 100 | 2430 | 100.0% | Y |
| A6-08.3 Bed 12.7 101 100 1352 100.0% Y A6-09.1 LKD 30.1 273 200 677 98.9% Y A6-09.2 Bed 8.3 64 100 3316 100.0% Y A6-09.3 Bed 12.9 101 100 2468 100.0% Y A6-10.1 LKD 31.4 293 200 289 33.4% N A6-10.2 Bed 7.7 53 100 2535 100.0% Y A6-10.3 Bed 12.0 97 100 1566 100.0% Y A6-11.1 LKD 34.1 320 200 1066 100.0% Y A6-11.2 Bed 14.1 118 100 2741 100.0% Y A6-11.3 Bed 7.6 55 100 2570 100.0% Y A6-11.4 Bed 15.2 126 100 </td <td>A6-08.1</td> <td>LKD</td> <td>31.4</td> <td>275</td> <td>200</td> <td>2403</td> <td>100.0%</td> <td>Y</td> | A6-08.1 | LKD | 31.4 | 275 | 200 | 2403 | 100.0% | Y |
| A6-09.1 LKD 30.1 273 200 677 98.9% Y A6-09.2 Bed 8.3 64 100 3316 100.0% Y A6-09.3 Bed 12.9 101 100 2468 100.0% Y A6-10.1 LKD 31.4 293 200 289 33.4% N A6-10.2 Bed 7.7 53 100 2535 100.0% Y A6-10.3 Bed 12.0 97 100 1566 100.0% Y A6-11.1 LKD 34.1 320 200 1066 100.0% Y A6-11.2 Bed 14.1 118 100 2741 100.0% Y A6-11.3 Bed 7.6 55 100 2570 100.0% Y A6-11.4 Bed 15.2 126 100 1595 100.0% Y | A6-08.2 | Bed | 8.2 | 66 | 100 | 1749 | 100.0% | Υ |
| A6-09.2 Bed 8.3 64 100 3316 100.0% Y A6-09.3 Bed 12.9 101 100 2468 100.0% Y A6-10.1 LKD 31.4 293 200 289 33.4% N A6-10.2 Bed 7.7 53 100 2535 100.0% Y A6-10.3 Bed 12.0 97 100 1566 100.0% Y A6-11.1 LKD 34.1 320 200 1066 100.0% Y A6-11.2 Bed 14.1 118 100 2741 100.0% Y A6-11.3 Bed 7.6 55 100 2570 100.0% Y A6-11.4 Bed 15.2 126 100 1595 100.0% Y | A6-08.3 | Bed | 12.7 | 101 | 100 | 1352 | 100.0% | Y |
| A6-09.3 Bed 12.9 101 100 2468 100.0% Y A6-10.1 LKD 31.4 293 200 289 33.4% N A6-10.2 Bed 7.7 53 100 2535 100.0% Y A6-10.3 Bed 12.0 97 100 1566 100.0% Y A6-11.1 LKD 34.1 320 200 1066 100.0% Y A6-11.2 Bed 14.1 118 100 2741 100.0% Y A6-11.3 Bed 7.6 55 100 2570 100.0% Y A6-11.4 Bed 15.2 126 100 1595 100.0% Y | A6-09.1 | LKD | 30.1 | 273 | 200 | 677 | 98.9% | Y |
| A6-10.1 LKD 31.4 293 200 289 33.4% N A6-10.2 Bed 7.7 53 100 2535 100.0% Y A6-10.3 Bed 12.0 97 100 1566 100.0% Y A6-11.1 LKD 34.1 320 200 1066 100.0% Y A6-11.2 Bed 14.1 118 100 2741 100.0% Y A6-11.3 Bed 7.6 55 100 2570 100.0% Y A6-11.4 Bed 15.2 126 100 1595 100.0% Y | A6-09.2 | Bed | 8.3 | 64 | 100 | 3316 | 100.0% | Y |
| A6-10.2 Bed 7.7 53 100 2535 100.0% Y A6-10.3 Bed 12.0 97 100 1566 100.0% Y A6-11.1 LKD 34.1 320 200 1066 100.0% Y A6-11.2 Bed 14.1 118 100 2741 100.0% Y A6-11.3 Bed 7.6 55 100 2570 100.0% Y A6-11.4 Bed 15.2 126 100 1595 100.0% Y | A6-09.3 | Bed | 12.9 | 101 | 100 | 2468 | 100.0% | Y |
| A6-10.3 Bed 12.0 97 100 1566 100.0% Y A6-11.1 LKD 34.1 320 200 1066 100.0% Y A6-11.2 Bed 14.1 118 100 2741 100.0% Y A6-11.3 Bed 7.6 55 100 2570 100.0% Y A6-11.4 Bed 15.2 126 100 1595 100.0% Y | A6-10.1 | LKD | 31.4 | 293 | 200 | 289 | 33.4% | N |
| A6-11.1 LKD 34.1 320 200 1066 100.0% Y A6-11.2 Bed 14.1 118 100 2741 100.0% Y A6-11.3 Bed 7.6 55 100 2570 100.0% Y A6-11.4 Bed 15.2 126 100 1595 100.0% Y | A6-10.2 | Bed | 7.7 | 53 | 100 | 2535 | 100.0% | Y |
| A6-11.2 Bed 14.1 118 100 2741 100.0% Y A6-11.3 Bed 7.6 55 100 2570 100.0% Y A6-11.4 Bed 15.2 126 100 1595 100.0% Y | A6-10.3 | Bed | 12.0 | 97 | 100 | 1566 | 100.0% | Y |
| A6-11.3 Bed 7.6 55 100 2570 100.0% Y A6-11.4 Bed 15.2 126 100 1595 100.0% Y | A6-11.1 | LKD | 34.1 | 320 | 200 | 1066 | 100.0% | Y |
| A6-11.3 Bed 7.6 55 100 2570 100.0% Y A6-11.4 Bed 15.2 126 100 1595 100.0% Y | A6-11.2 | Bed | | | | 2741 | | |
| A6-11.4 Bed 15.2 126 100 1595 100.0% Y | | Bed | | | | | | Υ |
| | | + | | | | | | |
| 70-12.1 LND 21.0 202 200 441 100.0% Y | A6-12.1 | LKD | 27.3 | 252 | 200 | 441 | 100.0% | Y |

| Minimum ille | uminance lev | els from BS E | N17037:2018 | +A1:2021 - Ta | able NA.1 | | |
|--------------------|--------------|---------------|-------------|---------------|-----------|---|-------------------|
| | | | | | | ے :b | |
| 9 | | m2 | t t | e e | _ | grid ede mum of | ığ. |
| Space ID | Use | Area m2 | Sensor | Target Lux | Mean | % of grid target exceeded: Minimum 50% of grid | Meets Criteria |
| A6-12.2 | Bed | 10.9 | 89 | 100 | 534 | 100.0% | Y |
| A7-01.1 | LKD | 32.3 | 288 | 200 | 325 | 57.3% | Y |
| A7-01.1 | Bed | 11.0 | 88 | 100 | 1138 | 100.0% | Y |
| | | | | | | 100.0% | Y |
| A7-01.3 | Bed | 12.1 | 96 | 100 | 1004 | | |
| A7-02.1 | LKD | 32.3 | 288 | 200 | 404 | 68.8% | Y |
| A7-02.2 | Bed | 11.0 | 88 | 100 | 2292 | | Y |
| A7-02.3 | Bed | 11.7 | 96 | 100 | 1513 | 100.0% | Y |
| A7-03.1 | Studio | 34.0 | 324 | 200 | 483 | 95.7% | Y |
| A7-04.1 | LKD | 32.3 | 288 | 200 | 430 | 76.7% | Y |
| A7-04.2 | Bed | 11.0 | 88 | 100 | 1298 | 100.0% | Y |
| A7-04.3 | Bed | 11.7 | 96 | 100 | 1712 | 100.0% | Y |
| A7-05.1 | LKD | 29.9 | 264 | 200 | 378 | 61.7% | Y |
| A7-05.2 | Bed | 10.1 | 81 | 100 | 2448 | 100.0% | Y |
| A7-06.1 | LKD | 31.4 | 275 | 200 | 1937 | 100.0% | Y |
| A7-06.2 | Bed | 8.2 | 66 | 100 | 1766 | 100.0% | Y |
| A7-06.3 | Bed | 12.7 | 101 | 100 | 1360 | 100.0% | Y |
| A7-07.1 | LKD | 30.1 | 273 | 200 | 693 | 98.9% | Y |
| A7-07.2 | Bed | 8.3 | 64 | 100 | 3327 | 100.0% | Y |
| A7-07.3 | Bed | 12.9 | 101 | 100 | 2490 | 100.0% | Y |
| A7-08.1 | LKD | 31.4 | 293 | 200 | 295 | 37.2% | N |
| A7-08.2 | Bed | 7.7 | 53 | 100 | 2604 | 100.0% | Y |
| A7-08.3 | Bed | 12.0 | 97 | 100 | 1597 | 100.0% | Y |
| A7-09.1 | LKD | 34.1 | 320 | 200 | 898 | 100.0% | Y |
| A7-09.2 | Bed | 14.7 | 126 | 100 | 2792 | 100.0% | Y |
| A7-09.3 | Bed | 8.2 | 63 | 100 | 2703 | 100.0% | Y |
| A7-09.4 | Bed | 15.2 | 126 | 100 | 1556 | 100.0% | Y |
| A8-01.1 | LKD | 31.2 | 288 | 200 | 779 | 100.0% | Y |
| A8-01.2 | Bed | 11.1 | 90 | 100 | 1178 | 100.0% | Υ |
| A8-01.3 | Bed | 11.7 | 96 | 100 | 1099 | 100.0% | Y |
| A8-02.1 | LKD | 29.1 | 264 | 200 | 913 | 100.0% | Y |
| A8-02.2 | Bed | 12.7 | 109 | 100 | 1336 | 100.0% | Υ |
| A8-03.1 | Studio | 34.0 | 324 | 200 | 592 | 99.7% | Υ |
| A8-04.1 | LKD | 27.6 | 240 | 200 | 439 | 72.1% | Υ |
| A8-04.2 | Bed | 11.7 | 98 | 100 | 1265 | 100.0% | Y |
| A8-05.1 | LKD | 29.9 | 264 | 200 | 378 | 64.0% | Υ |
| A8-05.2 | Bed | 10.1 | 81 | 100 | 2463 | 100.0% | Y |
| A8-06.1 | LKD | 31.4 | 275 | 200 | 2424 | 100.0% | Y |
| A8-06.2 | Bed | 8.2 | 66 | 100 | 1758 | 100.0% | Y |
| A8-06.3 | Bed | 12.7 | 101 | 100 | 1360 | 100.0% | Y |
| A8-07.1 | LKD | 30.1 | 273 | 200 | 721 | 100.0% | Y |
| A8-07.2 | Bed | 8.3 | 64 | 100 | 3326 | 100.0% | Y |
| A8-07.3 | Bed | 12.9 | 101 | 100 | 2473 | 100.0% | Y |
| A8-08.1 | LKD | 31.4 | 293 | 200 | 384 | 57.0% | Y |
| A8-08.2 | Bed | 7.7 | 53 | 100 | 2703 | 100.0% | Y |
| A8-08.3 | Bed | 12.0 | 97 | 100 | 1751 | 100.0% | Y |
| A9-01.1 | LKD | 31.2 | 288 | 200 | 787 | 100.0% | Y |
| A9-01.1 | Bed | 11.1 | 90 | 100 | 1212 | 100.0% | Y |
| A9-01.2 A9-01.3 | Bed | 11.7 | 96 | 100 | 1147 | 100.0% | Y |
| A9-01.3 A9-02.1 | Studio | 34.0 | 324 | 200 | 659 | 100.0% | Y |
| | LKD | | | | | | |
| A9-03.1 | | 27.6 | 240 | 200 | 559 | 71.3% | Y |
| A9-03.2 | Bed | 11.7 | 98 | 100 | 1148 | 100.0% | Y |

| Minimum il | luminance lev | els from BS E | N17037:2018 | +A1:2021 - Ta | able NA.1 | | |
|------------|---------------|---------------|-------------|---------------|-------------|---|-------------------|
| Space ID | Use | Area m2 | Sensor | Target Lux | Mean Lux | % of grid target exceeded: Minimum 50% of grid | Meets Criteria |
| A9-04.1 | LKD | 29.9 | 264 | 200 | 541 | 81.8% | Y |
| A9-04.2 | Bed | 10.1 | 81 | 100 | 2317 | 100.0% | Y |
| A9-05.1 | LKD | 31.4 | 275 | 200 | 1845 | 100.0% | Y |
| A9-05.2 | Bed | 8.2 | 66 | 100 | 1738 | 100.0% | Y |
| A9-05.3 | Bed | 12.7 | 101 | 100 | 1325 | 100.0% | Y |
| A10-01.1 | LKD | 31.2 | 288 | 200 | 833 | 100.0% | Y |
| A10-01.2 | Bed | 11.1 | 90 | 100 | 1241 | 100.0% | Y |
| A10-01.3 | Bed | 11.7 | 96 | 100 | 1183 | 100.0% | Y |
| A10-02.1 | Studio | 34.0 | 324 | 200 | 713 | 100.0% | Y |
| A10-03.1 | LKD | 40.4 | 380 | 200 | 2546 | 100.0% | Y |
| A10-03.2 | Bed | 12.7 | 108 | 100 | 1280 | 100.0% | Y |
| A10-03.3 | Bed | 13.2 | 110 | 100 | 1206 | 100.0% | Y |
| A10-03.4 | Bed | 10.5 | 86 | 100 | 5317 | 100.0% | Y |
| A10-03.5 | Bed | 15.8 | 135 | 100 | 5613 | 100.0% | Y |
| A11-01.1 | LKD | 40.4 | 380 | 200 | 2442 | 100.0% | Y |
| A11-01.2 | Bed | 12.7 | 108 | 100 | 1247 | 100.0% | Y |
| A11-01.3 | Bed | 13.2 | 110 | 100 | 1168 | 100.0% | Y |
| A11-01.4 | Bed | 10.5 | 86 | 100 | 4391 | 100.0% | Y |
| A11-01.5 | Bed | 15.8 | 135 | 100 | 4578 | 100.0% | Y |

Table 14: Minimum Daylight Provision BS EN17037:2018+A1:2021 Table NA.1 compliance for habitable rooms

Appendix B - EN17037:2018 Table A.1 Daylight Provision Room Compliance Results

| EN1703 | 7:2018 Ta | able A.1 [| Daylight I | Provision | n Room C | Complian | ce | | | | |
|--------------------|-------------|--------------|------------|----------------------|----------------|----------------|----------------|-----------------------|----------------|----------------|----------------|
| | | | | | | | | Ф | 10 | 10 | 10 |
| | Description | 7L | 5 | Target Compliance | 300lux_50 | 500lux_50 | 750lux_50 | Minimum Compliance | 100lux_95 | 300lux_95 | 500lux_95 |
| Space ID | Scr | Area m2 | Sensor | rget | chlo | (n)O | (Olu) | mini omo | chlo | chlo | cnlor |
| | | - | | | _ | | | | - | 1.1 | |
| A0-01.1 | LKD | 35.1 | 341 | Minimum | 64.0% | 46.3% | 25.8% | Minimum | 76.5% | 42.9% | 17.1% |
| A0-01.2 | Bed | 10.7 | 80 | High | 79.6% | 69.0% | 54.7% | High | 88.4% | 73.4% | 56.8% |
| A0-01.3 A0-01.4 | Bed | 9.3 | 76 92 | Medium | 73.4% | 57.6% | 40.5% | Medium | 83.9% | 58.9% | 37.5% |
| A0-01.4 A0-02.1 | Bed LKD | 11.0 35.6 | 339 | Minimum Medium | 61.4% 71.1% | 41.6% 56.6% | 16.5% 39.8% | Minimum Medium | 77.2% 80.6% | 43.4% 53.6% | 14.7% 30.4% |
| A0-02.1 | Bed | 8.1 | 66 | Minimum | 65.8% | 47.7% | 26.1% | Minimum | 78.8% | 47.3% | 20.0% |
| A0-02.2 A0-02.3 | Bed | 11.1 | 89 | Minimum | 61.3% | 41.4% | 15.5% | Minimum | 79.4% | 47.3% | 18.5% |
| A0-02.3 A0-03.1 | LKD | 32.3 | 288 | Fail | 7.5% | 3.2% | 1.3% | Fail | 24.9% | 2.4% | 0.8% |
| A0-03.1 | Bed | 11.0 | 88 | Medium | 69.3% | 50.9% | 31.9% | Medium | 81.9% | 52.9% | 29.5% |
| A0-03.2 A0-03.3 | Bed | 12.1 | 96 | Fail | 48.5% | 25.4% | 16.0% | Minimum | 70.9% | 26.7% | 14.8% |
| A0-03.3 | LKD | 32.3 | 288 | Fail | 26.3% | 12.4% | 5.1% | Minimum | 52.6% | 10.4% | 2.8% |
| A0-04.1 | Bed | 11.0 | 88 | High | 78.3% | 67.7% | 54.5% | High | 86.6% | 70.1% | 54.8% |
| A0-04.3 | Bed | 12.0 | 96 | High | 81.1% | 71.2% | 60.1% | High | 87.2% | 71.0% | 55.6% |
| A0-05.1 | LKD | 32.3 | 288 | Fail | 5.1% | 2.2% | 0.8% | Fail | 19.9% | 1.5% | 0.3% |
| A0-05.1 | Bed | 11.1 | 90 | Minimum | 50.5% | 23.6% | 7.6% | Minimum | 74.1% | 29.8% | 7.0% |
| A0-05.2 | Bed | 12.1 | 96 | Fail | 36.7% | 8.7% | 1.8% | Minimum | 64.6% | 10.5% | 1.1% |
| A0-06.1 | LKD | 32.3 | 288 | Fail | 25.3% | 11.4% | 4.8% | Minimum | 52.1% | 10.1% | 2.8% |
| A0-06.1 | Bed | 11.1 | 89 | High | 84.1% | 75.3% | 66.7% | High | 89.9% | 77.0% | 66.3% |
| A0-06.3 | Bed | 11.9 | 90 | High | 79.7% | 69.7% | 57.3% | High | 86.7% | 70.3% | 55.4% |
| A0-00.3 | Studio | 34.0 | 324 | Fail | 0.2% | 0.0% | 0.0% | Fail | 11.1% | 0.0% | 0.0% |
| A0-07.1 | LKD | 32.3 | 288 | Fail | 29.6% | 15.1% | 6.0% | Minimum | 56.6% | 12.8% | 3.5% |
| A0-08.2 | Bed | 11.1 | 90 | Minimum | 67.1% | 49.1% | 30.0% | Medium | 81.4% | 55.7% | 31.6% |
| A0-08.3 | Bed | 11.9 | 90 | High | 82.5% | 73.1% | 62.7% | High | 88.2% | 73.9% | 61.0% |
| A0-09.1 | LKD | 29.9 | 264 | Fail | 24.9% | 11.2% | 4.9% | Minimum | 50.1% | 9.8% | 2.7% |
| A0-09.1 | Bed | 10.1 | 81 | High | 82.8% | 73.9% | 64.1% | High | 89.7% | 76.6% | 65.9% |
| A0-09.2 | LKD | 31.3 | 275 | High | 76.4% | 66.1% | 56.6% | Medium | 83.0% | 62.6% | 49.4% |
| A0-10.1 | Bed | 8.2 | 66 | Medium | 75.1% | 63.4% | 48.5% | Medium | 84.4% | 63.3% | 43.7% |
| A0-10.2 | Bed | 12.7 | 101 | Medium | 68.6% | 52.8% | 34.0% | Medium | 81.0% | 55.3% | 32.1% |
| A0-10.3 | LKD | 30.1 | 273 | Minimum | 55.8% | 36.3% | 24.1% | Minimum | 76.4% | 45.5% | 26.8% |
| A0-11.2 | Bed | 8.3 | 64 | High | 80.1% | 71.2% | 61.3% | High | 88.5% | 75.2% | 64.2% |
| A0-11.3 | Bed | 13.0 | 102 | High | 74.4% | 63.3% | 52.3% | High | 84.3% | 64.9% | 51.1% |
| A1-01.1 | LKD | 35.1 | 341 | Medium | 70.7% | 53.3% | 37.9% | Medium | 80.0% | 51.2% | 30.1% |
| A1-01.2 | Bed | 10.6 | 80 | High | 82.0% | 72.7% | 59.5% | High | 89.8% | 77.1% | 64.2% |
| A1-01.2 | Bed | 9.2 | 76 | Medium | 76.4% | 63.2% | 48.0% | Medium | 86.3% | 67.3% | 48.7% |
| A1-01.3 | Bed | 11.0 | 92 | Medium | 69.4% | 51.1% | 33.2% | Medium | 83.4% | 56.0% | 36.1% |
| A1-02.1 | LKD | 35.6 | 339 | Medium | 74.7% | 62.4% | 47.5% | Medium | 83.1% | 59.9% | 41.2% |
| A1-02.1 | Bed | 8.1 | 66 | Medium | 73.2% | 57.8% | 41.3% | Medium | 83.0% | 57.1% | 36.7% |
| A1-02.3 | Bed | 11.1 | 88 | Medium | 68.9% | 51.1% | 32.6% | Medium | 83.4% | 56.5% | 36.5% |
| A1-03.1 | LKD | 32.3 | 288 | Fail | 11.0% | 3.7% | 1.6% | Fail | 34.6% | 2.4% | 0.8% |
| A1-03.1 | Bed | 10.9 | 88 | Medium | 74.2% | 57.6% | 40.8% | Medium | 85.0% | 61.4% | 41.1% |
| A1-03.2 | Bed | 12.1 | 96 | Minimum | 56.8% | 34.8% | 20.2% | Minimum | 76.0% | 37.6% | 19.2% |
| A1-03.3 | LKD | 32.3 | 288 | Fail | 30.1% | 14.9% | 5.6% | Minimum | 55.5% | 10.2% | 2.4% |
| A1-04.1 | Bed | 10.9 | 88 | High | 79.8% | 70.2% | 59.2% | High | 87.7% | 72.4% | 59.2% |
| A1-04.2 | Bed | 12.1 | 96 | High | 83.4% | 74.5% | 64.7% | High | 88.7% | 74.6% | 61.8% |
| A1-04.3 | LKD | 32.3 | 288 | Fail | 7.9% | 2.4% | 0.9% | Fail | 30.6% | 1.5% | 0.2% |
| A1-05.1 | Bed | 11.0 | 88 | Minimum | 56.8% | 33.6% | 13.2% | Minimum | 77.6% | 40.5% | 12.6% |
| A1-05.2 A1-05.3 | | 12.1 | 96 | Fail | 47.9% | 19.1% | | | 70.5% | 21.0% | 2.4% |
| | Bed | | | | | | 4.3% | Minimum | | | |
| A1.06.1 | LKD | 32.3 | 288 | Fail | 29.5% | 14.8% | 5.7% | Minimum | 56.2% | 11.4% | 2.7% |
| A1-06.2 | Bed | 11.0 | 88 | High | 83.2% | 74.5% | 65.0% | High | 89.2% | 75.7% | 64.8% |

| A2-06.2 Bed 11.0 88 High 83.4% 74.7% 65.6% High 89.4% 76.2% 65.5% A2-06.3 Bed 11.7 96 High 78.2% 67.9% 55.2% High 86.5% 69.7% 54.1% A2-07.1 Studio 34.0 324 Fail 1.9% 0.0% 0.0% Fail 31.5% 0.0% 0.0% A2-08.1 LKD 32.3 288 Fail 36.1% 17.4% 6.7% Minimum 61.5% 15.1% 4.3% A2-08.2 Bed 11.0 88 Medium 71.2% 57.7% 39.8% Medium 83.2% 60.6% 39.5% A2-08.3 Bed 11.7 96 High 80.0% 70.6% 60.0% High 87.6% 72.4% 59.9% A2-09.1 LKD 29.9 264 Fail 30.8% 14.6% 5.3% Minimum 56.6% 10.6% 2.7% | EN1703 | 7:2018 Ta | able A.1 [| Daylight I | Provision | n Room C | Complian | ce | | | | |
|--|---------|-----------|------------|------------|-----------|----------|----------|-------|--------------|-------|-------|-------|
| A-106.1 Studio | | c | | | 9 | | | | e | | | |
| A-106.1 Studio | ₽ | ptio | 2 | <u>.</u> | iano | 202 | 200 | [20 | ianc | 96 | 96 | 6 9 |
| A-106.1 Studio | ace | scri | ea n | unt | rget | Olu, | Olu, |) N | min Ign | Olux | Olux | Olu |
| A-1-07.1 Studio | Sp | De | Are | လိုလိ | Tar Co | 300 | 200 | 75(| i <u>≅</u> 8 | 100 | 300 | 200 |
| A1-08.1 LKD 3.23 2.88 Fail 3.43% 16.5% 6.7% Minimum 60.0% 13.9% 3.3% A1-08.2 Bed 11.7 69 High 80.3% 70.7% 60.0% High 80.3% 70.7% 60.0% High 80.3% 70.7% 60.0% High 80.9% 22.8% 69.7% 52.8% 69.7% 52.8% 69.7% 52.8% 69.7% 52.9% 10.0% 9.9% 2.4% 69.7% 52.9% High 9.7% 6.87% 52.9% High 9.78% 2.8% 67.3% 52.9% High 8.0% 67.7% 51.9% High 8.0% 67.7% 51.9% High 8.0% 67.7% 51.9% High 8.0% 67.7% 51.9% Minimum 61.7% 61.9% 8.0% High 8.0% 67.7% 51.9% 43.3% Minimum 61.7% 40.3% 41.1% 43.3% 40.0% 41.2% 40.3% 40.2% 43.3% Min | A1-06.3 | Bed | 11.7 | 96 | High | 78.2% | 67.7% | 54.5% | High | 86.5% | 69.6% | 53.8% |
| A-1-08-2 | | | | | | | | | | | - | - |
| A1-08.3 Bed 11.7 96 High 80.3% 70.7% 60.0% High 87.9% 72.8% 50.7% A1-09.2 Bed 10.1 31 High 83.6% 75.0% 60.0% High 90.4% 77.7% 68.7% A1-10.1 LO 31.3 275 High 74.8% 75.0% 66.0% High 90.4% 77.7% 69.7% 68.7% A1-10.1 LO 31.3 275 High 74.8% 63.7% 50.3% 50.0% Minimum 53.4% 60.03% 415.7% A1-10.2 Bed 12.7 101 Medium 77.8% 67.3% 50.5% Medium 83.4% 60.03% 40.3% A1-10.1 LO 30.1 273 Minimum 57.7% 59.1% 42.6% Medium 83.4% 60.6% 60.6% 40.3% A1-11.1 LO 30.1 273 Minimum 57.7% 59.1% 42.6% Medium 63.4% 60.6% 40.3% A1-11.1 LO 30.1 273 Minimum 57.7% 59.1% 42.6% Medium 63.4% 60.6% 40.3% A1-11.1 LO 30.1 273 Minimum 57.7% 59.1% 42.6% Medium 63.4% 60.6% 60.0% 60. | | | | | | | | | | | | |
| A1-09.1 LKD | | | | | | | | | | | | |
| A1-10-2 Bed | | | | | | | | | _ | - | | - |
| Al-10.1 | | | | | | | | | | - | | |
| A1-102 Bed 8.2 66 High 77.8% 67.3% 65.1% High 86.0% 67.7% 51.5% A1-10.3 Bed 12.7 101 Medium 71.9% 59.3% 42.6% Medium 53.4% 60.8% 40.3% A1-11.12 Bed 8.2 64 High 83.4% 75.9% 68.0% High 90.6% 49.4% 30.3% A1-11.3 Bed 12.9 100 High 78.9% 69.0% High 86.4% 71.4% 59.2% A2-01.12 Bed 10.6 80 High 82.6% 73.8% 62.2% High 86.4% 71.5% 65.6% A2-01.1 Bed 11.0 92 Medium 74.7% 55.0% 83.5% Medium 86.5% 65.6% 47.0% A2-01.2 Bed 11.0 92 Medium 74.9% 61.0% 41.5% Medium 86.5% 62.9% 43.3% A2-02.1 <td>A1-09.2</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>High</td> <td></td> <td>-</td> <td>68.7%</td> | A1-09.2 | | | | | | | | High | | - | 68.7% |
| A1-10.3 Bed 1.2.7 1.01 Medium 71.9% 59.1% 4.2.6% Medium 8.3.4% 60.8% 40.3% A1-11.1.1 LCD 30.1 2.73 Minimum 57.7% 39.9% 27.2% Minimum 77.7% 49.4% 30.3% 30.3% A1-11.3 Bed 12.2 100 High 78.9% 69.2% 59.0% High 86.4% 71.4% 59.2% A2-01.1 LCD 35.1 341 Medium 73.9% 62.2% High 88.4% 71.4% 59.2% A2-01.2 Bed 10.6 80 High 76.4% 63.4% 48.7% Medium 85.5% 65.2% 39.3% A2-01.3 Bed 11.0 92 Medium 71.7% 55.0% 33.8% Medium 84.5% 61.0% 41.1% A2-02.2 Bed 8.1 16.6 Medium 71.9% 55.5% 33.8% Medium 84.5% 62.2% 41.1% <td></td> | | | | | | | | | | | | |
| A1-11.1 UKD 30.1 273 Minimum 57.7% 39.8% 27.2% Minimum 77.7% 49.4% 30.3% A1-11.2 Bed 8.2 64 High 83.4% 75.9% 68.0% High 90.0% 80.4% 71.5% A2-01.1 UKD 35.1 341 Medium 73.1% 57.6% 43.3% Medium 83.3% 57.9% 39.1% A2-01.3 Bed 11.0 92 Medium 76.4% 63.4% 43.3% Medium 85.5% 65.5% A2-01.3 Bed 11.0 92 Medium 71.7% 55.0% 38.5% Medium 84.5% 65.2% 47.0% A2-01.3 Bed 11.1 88 Medium 71.9% 61.0% 45.6% Medium 84.5% 62.2% 42.1% A2-02.2 Bed 11.1 88 Medium 71.6% 55.3% 38.3% Medium 84.9% 62.2% 42.1% | | | | | - | | | | | | | |
| A1-11.2 Bed | | | | | | | | | | | | - |
| A1-11.3 Bed 12.9 10.0 High 78.9% 69.2% 59.0% High 88.4% 71.4% 59.2% A2-01.1 LKD 35.1 341 Medium 73.1% 57.6% 43.3% Medium 83.3% 57.9% 39.1% A2-01.2 Bed 10.6 80 High 82.6% 77.5% 65.6% A2-01.3 Bed 9.2 76 Medium 76.4% 63.4% 48.7% Medium 85.5% 65.6% A2-01.4 Bed 11.0 9.2 Medium 77.4% 55.0% 38.5% Medium 84.2% 66.2% 47.0% A2-01.4 LKD 35.6 33.9 High 76.0% 64.7% 50.7% Medium 84.2% 63.0% 45.2% A2-02.2 Bed 8.1 66 Medium 77.9% 61.0% 45.6% Medium 84.2% 63.0% 45.2% A2-02.2 Bed 8.1 66 Medium 77.9% 61.0% 45.6% Medium 84.2% 63.0% 45.2% A2-02.3 Bed 11.1 88 Medium 77.6% 65.3% 38.3% Medium 84.2% 63.0% 62.2% 42.1% A2-03.3 Bed 11.1 88 Medium 76.1% 61.1% 45.6% Medium 85.0% 62.2% 42.1% A2-03.3 Bed 10.9 88 Medium 76.1% 61.1% 45.6% Medium 35.9% 62.2% 42.9% A2-03.3 Bed 12.1 96 Minimum 59.9% 39.4% 23.2% Minimum 77.1% 41.3% 21.0% A2-04.2 Bed 10.9 88 High 80.3% 70.8% 60.5% High 89.2% 75.8% 64.4% A2-05.1 LKD 32.3 22.88 Fail 32.3% 14.9% 60.5% Minimum 77.1% 41.3% 21.0% A2-04.2 Bed 10.9 88 High 80.3% 70.8% 60.5% High 89.2% 75.8% 64.4% A2-05.1 LKD 32.3 22.88 Fail 32.3% 76.0% 67.5% High 89.2% 75.8% 64.4% A2-05.1 LKD 32.3 22.88 Fail 12.6% 3.5% 17.6% Minimum 59.1% 13.3% 3.0% A2-04.2 Bed 11.0 88 Minimum 59.4% 23.5% Minimum 59.4% A2-05.2 Bed 11.0 88 High 80.3% 76.0% 67.5% High 80.5% 60.5% 61.4% A2-05.2 Bed 11.0 88 High 80.3% 76.0% 67.5% High 80.5% 60.6% 61.8% A2-06.2 Bed 11.0 88 High 80.3% 76.0% 67.5% High 80.5% 60.6% 61. | | | | | | | | | | | | - |
| A2-01.1 LKD 35.1 341 Medium 73.1% 57.6% 43.3% Medium 83.3% 57.9% 39.1% A2-01.2 Bed 10.6 80 High 82.6% 73.8% 62.2% High 89.9% 77.5% 65.6% 65.2% A2-01.3 Bed 9.2 76 Medium 76.4% 63.4% 48.7% Medium 85.5% 65.2% 67.2% A2-01.4 Bed 11.0 92 Medium 71.7% 55.0% 33.5% Medium 84.6% 61.0% 41.1% A2-02.1 LKD 35.6 33.9 High 76.0% 64.7% 55.0% 38.5% Medium 84.6% 61.0% 44.1.% A2-02.1 LKD 35.6 33.9 High 76.0% 64.7% 55.0% 38.5% Medium 84.6% 61.0% 44.1.% A2-02.1 LKD 35.6 Medium 74.9% 61.0% 45.6% Medium 85.0% 62.9% 43.3% A2-02.2 Bed 81.1 86 Medium 74.9% 61.0% 45.6% Medium 85.0% 62.9% 43.3% A2-02.3 Bed 11.1 88 Medium 71.7% 55.3% 38.3% Medium 85.0% 62.9% 43.3% A2-03.3 Bed 112.1 96 Minimum 59.8% 39.4% 42.1% 45.6% Medium 85.0% 44.9% 42.9% A2-03.3 Bed 12.1 96 Minimum 59.8% 39.4% 42.5% Minimum 77.1% 41.3% 21.0% A2-04.2 Bed 10.9 88 High 80.3% 70.0% 60.5% High 88.8% 54.9% 42.9% A2-04.2 Bed 10.9 88 High 80.3% 70.0% 60.5% High 88.1% 173.7% 61.1% A2-04.2 Bed 10.9 88 High 80.3% 70.0% 60.5% High 88.1% 173.7% 61.1% A2-05.1 LKD 32.3 288 Fail 12.0% 35.5% 14.4% 60.0% Minimum 77.1% 41.3% 20.0% A2-04.1 LKD 32.3 288 Fail 12.0% 35.5% 14.6% Fail 39.9% 2.0% 64.4% A2-05.1 LKD 32.3 288 Fail 12.0% 35.5% 14.6% High 88.2% 75.6% 64.4% A2-05.1 LKD 32.3 288 Fail 12.0% 35.5% 14.4% Fail 39.9% 2.0% 64.4% A2-05.1 LKD 32.3 288 Fail 12.0% 35.5% 14.6% High 88.2% 75.6% 64.4% A2-05.1 LKD 32.3 288 Fail 31.7% 15.0% 55.2% High 88.9% 2.0% 64.4% A2-05.1 LKD 32.3 288 Fail 31.7% 15.0% 55.2% High 88.0% 12.4% 56.5% A2-05.1 LKD 32.3 288 Fail 31.7% 15.0% 55.2% High 88.0% 50.9% 56.5% A2-06.3 Bed 11.1 88 High 83.4% 77.4% 56.5% High 86.0% 12.4% 56.5% 65.5% A2-06.1 LKD 32.3 288 Fail 31.7% 15.0% 56.5% High 86.0% 69.7% 57.5% 64.4% A2-06.1 LKD 32.3 288 Fail 31.7% 50.0% 50.0% High 86.0% 69.7% 57.5% 66.5% 60.0% High 86.0% 69.7% 57.5% 66.5% 60.0% High 86.0% 69.7% 57.5% 60.0% High 86.0% 69.7% 57.5% 60.0% High 86.0% 60. | | | | | | | | | | | 80.4% | |
| A2-01.2 Bed 10.6 80 High 82.6% 73.8% 62.2% High 89.9% 77.5% 65.6% A2-01.3 Bed 9.2 76 Medium 76.4% 63.4% 48.7% Medium 85.5% 65.2% 47.0% A2-01.4 Bed 11.0 92 Medium 71.7% 55.0% 38.5% Medium 84.6% 61.0% 41.1% A2-02.1 LKD 33.56 33.9 High 76.0% 64.7% 50.7% Medium 84.6% 63.0% 45.2% A2-02.2 Bed 8.1 66 Medium 74.9% 61.0% 45.6% Medium 85.0% 62.9% 43.3% A2-02.3 Bed 11.1 88 Medium 71.6% 55.3% 38.3% Medium 86.0% 62.2% 42.1% A2-03.1 LKD 32.3 288 Fail 13.9% 4.8% 22.1% Fail 39.9% 30.6% 45.9% A2-03.2 Bed 10.9 88 Medium 76.1% 61.1% 45.6% Medium 85.6% 64.9% 45.9% A2-03.3 Bed 11.1 96 Minimum 59.9% 39.4% 23.2% Minimum 77.1% 41.3% 21.0% A2-04.1 LKD 32.3 288 Fail 32.3% 14.4% 60.0% Minimum 55.1% 13.3% 3.0% A2-04.2 Bed 10.9 88 High 80.3% 70.8% 60.5% High 88.1% 17.3% 61.1% A2-04.3 Bed 12.1 96 High 84.3% 70.8% 60.5% High 88.1% 17.5% 61.1% A2-04.3 Bed 12.1 96 High 84.3% 70.8% 60.5% High 88.9% 75.6% 64.4% A2-05.3 Bed 12.1 96 High 84.3% 70.8% 60.5% High 88.9% 75.6% 64.4% A2-05.3 Bed 12.1 96 High 84.3% 70.8% 60.5% High 89.9% 2.0% 20.6% 60.5% A2-06.2 Bed 11.0 88 High 83.4% 74.7% 65.6% High 89.4% 76.2% 65.5% A2-06.2 Bed 11.0 88 High 83.4% 74.7% 65.6% High 89.4% 76.2% 65.5% A2-06.2 Bed 11.0 88 High 83.4% 74.7% 65.6% High 89.4% 76.2% 65.5% A2-06.2 Bed 11.0 88 High 83.4% 74.7% 65.6% High 89.4% 76.2% 65.5% A2-06.2 Bed 11.0 88 High 83.4% 74.7% 65.6% High 89.4% 76.2% 65.5% A2-06.2 Bed 11.0 88 High 83.4% 74.7% 65.6% High 89.4% 76.2% 65.5% A2-06.2 Bed 11.0 88 Minimum 71.2% 57.7% 67.5% High 89.4% 76.2% 65.5% A2-06.2 Bed 11.0 | | | | | | | | | High | - | | - |
| A2-01.3 Bed 9.2 7.6 Medium 76.4% 6.3.4% 48.7% Medium 85.5% 65.2% 47.0% A2-01.4 Bed 11.0 92 Medium 71.7% 55.0% 38.5% Medium 84.6% 61.0% 41.1% A2-02.1 LKD 35.6 33.9 High 76.0% 64.7% 55.7% Medium 84.6% 61.0% 45.2% A2-02.2 Bed 81.1 88 Medium 71.6% 55.3% 38.3% Medium 84.9% 62.2% 42.1% A2-03.1 LKD 32.3 288 Fail 13.9% 4.8% 21.1% Fail 39.9% 4.8% A2-03.3 Bed 10.1 98 Michimum 75.9% 61.1% 45.9% A2-04.3 Bed 112.1 96 Minimum 59.9% 39.4% 123.2% Minimum 77.1% 41.3% 20.0% A2-04.3 Bed 110.1 88 < | A2-01.1 | LKD | 35.1 | 341 | Medium | 73.1% | 57.6% | 43.3% | Medium | 83.3% | 57.9% | 39.1% |
| A2-01.4 Bed 11.0 92 Medium 71.7% 55.0% 33.5% Medium 84.6% 61.0% 41.1% A2-02.2 Bed 8.1 66 Medium 74.9% 61.0% 55.7% Medium 84.2% 63.0% 45.3% A2-02.2 Bed 11.1 88 Medium 71.6% 55.3% 33.3% Medium 84.9% 62.2% 42.1% A2-03.1 LKD 32.3 288 Fail 13.9% 4.8% 2.1% Fail 39.9% 3.0% 0.8% A2-03.2 Bed 10.9 88 Medium 76.1% 61.1% 45.6% Medium 75.1% 45.9% Medium 75.8% 64.9% 42.9% 42.9% Medium 75.8% 64.9% 42.9% 42.0% Medium 75.8% 64.9% 42.9% 42.0% Medium 75.9% 16.1% 41.9% 42.0% Medium 75.9% 16.1% 42.0% 42.0% 42.0% 42.0% | A2-01.2 | Bed | 10.6 | 80 | High | 82.6% | 73.8% | 62.2% | High | 89.9% | 77.5% | 65.6% |
| A2-02.1 LKD 35.6 339 High 76.0% 64.7% 50.7% Medium 84.2% 63.0% 45.2% A2-02.2 Bed 8.1 66 Medium 74.9% 61.0% 45.6% Medium 85.0% 62.9% 43.3% A2-02.3 Bed 11.1 88 Medium 71.6% 55.3% 38.3% Medium 84.9% 62.2% 42.1% A2-03.2 Bed 10.9 88 Medium 76.1% 61.1% 45.6% Medium 35.9% 66.9% 45.9% A2-03.3 Bed 10.1 96 Minimum 59.9% 39.4% 23.2% Minimum 77.1% 41.3% 21.0% A2-04.1 LKD 32.3 288 Fail 32.3% 14.9% 60.0% High 88.1% 13.3% 30.0% A2-04.2 Bed 10.1 96 High 80.3% 76.0% 67.5% High 89.2% 75.8% 64.4% | A2-01.3 | Bed | 9.2 | 76 | Medium | 76.4% | 63.4% | 48.7% | Medium | 85.5% | 65.2% | 47.0% |
| A2-02.2 Bed 8.1 66 Medium 74.9% 61.0% 45.6% Medium 85.0% 62.9% 43.3% A2-02.3 Bed 11.1 88 Medium 71.6% 55.3% 38.3% Medium 84.9% 62.2% 42.1% A2-03.1 LKD 32.3 288 Fail 13.9% 4.8% 2.1% Fail 39.9% 30.0% 0.8% A2-03.2 Bed 10.9 88 Medium 76.1% 61.1% 46.6% Medium 85.8% 64.9% 45.9% A2-04.3 Bed 12.1 96 Minimum 76.0% 60.9% Minimum 59.1% 13.3% 3.0% A2-04.2 Bed 10.9 88 Fail 82.3% 76.0% 67.5% High 88.1% 77.7% 61.1% 42.04.3 8.6 12.1 96 High 83.5% 1.4% Fail 38.9% 2.0% 75.8% 66.4% 46.6% 46.1% 48. | A2-01.4 | Bed | 11.0 | 92 | Medium | 71.7% | 55.0% | 38.5% | Medium | 84.6% | 61.0% | 41.1% |
| A2-02.3 Bed 11.1 88 Medium 71.6% 55.3% 38.3% Medium 84.9% 62.2% 42.1% A2-03.1 LKD 32.3 288 Fail 13.9% 4.8% 2.1% Fail 39.9% 30.0% 0.8% A2-03.2 Bed 10.9 88 Medium 75.1% 61.1% 45.6% Medium 75.1% 41.3% 21.0% A2-03.3 Bed 12.1 96 Minimum 59.9% 39.4% 23.2% Minimum 59.1% 41.3% 21.0% A2-04.1 LKD 32.3 288 Fail 92.3% 14.9% 60.9% Minimum 59.1% 113.3% 3.0% 42.04.2 88.1% 10.1 96 High 88.3% 76.0% 67.5% High 89.2% 75.8% 64.4% A2-04.2 Bed 11.0 88 Minimum 59.8% 39.4% 17.4% Minimum 79.3% 46.6% 18.0% | A2-02.1 | LKD | 35.6 | 339 | High | 76.0% | 64.7% | 50.7% | Medium | 84.2% | 63.0% | 45.2% |
| A2-03.1 LKD 32.3 288 Fail 13.9% 4.8% 2.1% Fail 39.9% 3.0% 0.8% A2-03.2 Bed 10.9 88 Medium 76.1% 61.1% 45.6% Medium 85.8% 64.9% 45.9% A2-03.3 Bed 12.1 96 Minimum 59.9% 39.4% 23.2% Minimum 77.1% 41.3% 21.0% A2-04.2 Bed 10.9 88 High 80.3% 70.8% 60.5% High 88.1% 73.7% 61.1% A2-04.3 Bed 11.2 96 High 84.3% 76.0% 67.5% High 89.2% 75.8% 64.4% A2-05.1 LKD 32.3 288 Fail 12.6% 3.5% 1.4% Fail 38.9% 2.0% 0.6% A2-05.1 LKD 32.3 288 Fail 31.7% 15.0% 58.8% Minimum 79.3% 46.6% 18.0% | A2-02.2 | Bed | 8.1 | 66 | Medium | 74.9% | 61.0% | 45.6% | Medium | 85.0% | 62.9% | 43.3% |
| A2-03.2 Bed 10.9 88 Medium 76.1% 61.1% 45.6% Medium 85.8% 64.9% 45.9% A2-03.3 Bed 12.1 96 Minimum 59.9% 39.4% 23.2% Minimum 77.1% 41.3% 21.0% A2-04.1 LKD 32.3 288 Fail 32.3% 14.9% 6.0% Minimum 59.1% 13.3% 3.0% A2-04.2 Bed 10.9 88 High 80.3% 77.0% 60.5% High 88.1% 73.7% 61.1% A2-05.1 LKD 32.3 288 Fail 12.6% 3.5% 1.4% Fail 38.9% 2.0% 0.6% A2-05.1 LKD 32.3 288 Fail 12.6% 3.5% 1.4% Fail 38.9% 2.0% 0.6% A2-05.2 Bed 11.0 88 Minimum 50.4% 23.6% 7.4% Minimum 73.4% 28.0% 14.7% | A2-02.3 | Bed | 11.1 | 88 | Medium | 71.6% | 55.3% | 38.3% | Medium | 84.9% | 62.2% | 42.1% |
| A2-03.3 Bed 12.1 99 Minimum 59.9% 39.4% 23.2% Minimum 77.1% 41.3% 21.0% A2-04.1 LKD 32.3 288 Fail 32.3% 14.9% 6.0% Minimum 59.1% 13.3% 3.0% A2-04.2 Bed 11.9 88 High 80.3% 70.8% 60.5% High 88.1% 73.7% 61.1% A2-04.3 Bed 12.1 99 High 84.3% 76.0% 67.5% High 89.2% 75.8% 64.4% A2-05.1 LKD 32.3 288 Fail 12.6% 35.4% 17.6% Minimum 79.3% 46.6% 18.0% A2-05.3 Bed 11.1 98 Minimum 59.8% 39.4% 17.4% Minimum 79.3% 46.6% 18.0% A2-06.1 LKD 32.3 288 Fail 31.7% 15.0% 5.8% Minimum 75.4% 28.0% 12.4% <t< td=""><td>A2-03.1</td><td>LKD</td><td>32.3</td><td>288</td><td>Fail</td><td>13.9%</td><td>4.8%</td><td>2.1%</td><td>Fail</td><td>39.9%</td><td>3.0%</td><td>0.8%</td></t<> | A2-03.1 | LKD | 32.3 | 288 | Fail | 13.9% | 4.8% | 2.1% | Fail | 39.9% | 3.0% | 0.8% |
| A2-04.1 LKD 32.3 288 Fail 32.3% 14.9% 6.0% Minimum 59.1% 13.3% 3.0% A2-04.2 Bed 10.9 88 High 80.3% 70.8% 60.5% High 88.1% 73.7% 61.1% A2-04.3 Bed 12.1 96 High 84.3% 76.0% 67.5% High 89.2% 75.8% 64.4% A2-05.1 LKD 32.3 288 Fail 12.6% 3.5% 1.4% Fail 38.9% 2.00 0.6% A2-05.2 Bed 11.0 88 Minimum 59.8% 39.4% 17.6% Minimum 79.3% 42.6% 18.0% A2-05.2 Bed 11.0 88 High 33.4% 74.7% Minimum 58.9% 12.4% 3.2% A2-06.1 LKD 32.3 288 Fail 1.9% 67.9% 55.2% High 89.4% 76.2% 65.5% A2-06.3 | A2-03.2 | Bed | 10.9 | 88 | Medium | 76.1% | 61.1% | 45.6% | Medium | 85.8% | 64.9% | 45.9% |
| A2-04.2 Bed 10.9 88 High 80.3% 70.8% 60.5% High 88.1% 73.7% 61.1% A2-04.3 Bed 12.1 96 High 84.3% 76.0% 67.5% High 89.2% 75.8% 64.4% A2-05.1 LKD 32.3 288 Fail 12.6% 3.5% 1.4% Fail 38.9% 2.0% 0.6% A2-05.2 Bed 11.1 96 Minimum 59.8% 39.4% 17.6% Minimum 79.3% 46.6% 18.0% A2-05.3 Bed 12.1 96 Minimum 50.4% 23.6% 7.4% Minimum 73.4% 22.0% 4.7% A2-06.1 LKD 32.3 288 Fail 31.7% 15.0% 5.8% Minimum 73.4% 26.65.9% A2-06.3 Bed 11.7 96 High 78.2% 67.9% 55.2% High 86.5% 69.7% 54.1% A2-07.1 <td>A2-03.3</td> <td>Bed</td> <td>12.1</td> <td>96</td> <td>Minimum</td> <td>59.9%</td> <td>39.4%</td> <td>23.2%</td> <td>Minimum</td> <td>77.1%</td> <td>41.3%</td> <td>21.0%</td> | A2-03.3 | Bed | 12.1 | 96 | Minimum | 59.9% | 39.4% | 23.2% | Minimum | 77.1% | 41.3% | 21.0% |
| A2-04.3 Bed 12.1 96 High 84.3% 76.0% 67.5% High 89.2% 75.8% 64.4% A2-05.1 LKD 32.3 288 Fail 12.6% 3.5% 1.4% Fail 38.9% 2.0% 0.6% A2-05.2 Bed 11.0 88 Minimum 59.8% 39.4% 17.6% Minimum 79.3% 46.6% 18.0% A2-05.3 Bed 12.1 96 Minimum 50.4% 23.6% 7.4% Minimum 73.4% 28.0% 4.7% A2-06.1 LKD 32.3 288 Fail 31.7% 15.0% 5.8% Minimum 78.4% 26.5% A2-06.3 Bed 11.0 38 High 83.4% 74.7% 65.6% High 89.4% 76.2% 65.5% A2-07.1 Studio 34.0 324 Fail 1.9% 0.0% 0.0% Fail 31.5% 0.0% 0.0% A2-08.1 | A2-04.1 | LKD | 32.3 | 288 | Fail | 32.3% | 14.9% | 6.0% | Minimum | 59.1% | 13.3% | 3.0% |
| A2-05.1 LKD 32.3 288 Fail 12.6% 3.5% 1.4% Fail 38.9% 2.0% 0.6% A2-05.2 Bed 11.0 88 Minimum 59.8% 39.4% 17.6% Minimum 79.3% 46.6% 18.0% A2-05.3 Bed 12.1 96 Minimum 50.4% 23.6% 7.4% Minimum 73.4% 28.0% 4.7% A2-06.1 LKD 32.3 288 Fail 31.7% 15.0% 5.8% Minimum 58.9% 12.4% 3.2% A2-06.2 Bed 11.0 88 High 78.2% 67.9% 55.2% High 86.5% 69.7% 55.5% A2-07.1 Studio 34.0 324 Fail 1.9% 0.0% 0.0% Fail 31.5% 0.0% 0.0% A2-08.1 LKD 32.3 288 Fail 1.9% 70.0% 60.0% High 86.5% 60.7% 32.3% | A2-04.2 | Bed | 10.9 | 88 | High | 80.3% | 70.8% | 60.5% | High | 88.1% | 73.7% | 61.1% |
| A2-05.2 Bed 11.0 88 Minimum 59.8% 39.4% 17.6% Minimum 79.3% 46.6% 18.0% A2-05.3 Bed 12.1 96 Minimum 50.4% 23.6% 7.4% Minimum 73.4% 28.0% 4.7% A2-06.1 LKD 32.3 288 Fail 31.7% 15.0% 5.8% Minimum 58.9% 12.4% 3.2% A2-06.2 Bed 11.0 88 High 83.4% 74.7% 65.6% High 89.4% 76.2% 65.5% A2-06.3 Bed 11.7 96 High 78.2% 67.9% 55.2% High 86.5% 69.7% 54.1% A2-08.1 LKD 32.3 288 Fail 1.9% 0.0% 0.0% Fail 31.5% 0.0% 0.0% A2-08.2 Bed 11.0 88 Medium 71.2% 57.7% 39.8% Medium 83.2% 60.6% 39.5% | A2-04.3 | Bed | 12.1 | 96 | High | 84.3% | 76.0% | 67.5% | High | 89.2% | 75.8% | 64.4% |
| A2-05.3 Bed 12.1 96 Minimum 50.4% 23.6% 7.4% Minimum 73.4% 28.0% 4.7% A2-06.1 LKD 32.3 288 Fail 31.7% 15.0% 5.8% Minimum 58.9% 12.4% 3.2% A2-06.2 Bed 11.0 88 High 83.4% 74.7% 65.6% High 89.4% 76.2% 65.5% A2-06.3 Bed 11.7 96 High 78.2% 67.9% 55.2% High 86.5% 69.7% 54.1% A2-07.1 Studio 34.0 324 Fail 1.9% 0.0% 0.0% Fail 31.5% 0.0% 0.0% A2-08.1 LKD 32.3 288 Fail 36.1% 17.4% 6.7% Minimum 61.5% 15.1% 4.3% A2-08.2 Bed 11.0 88 Medium 71.2% 57.7% 39.8% Medium 83.2% 60.6% 39.5% | A2-05.1 | LKD | 32.3 | 288 | Fail | 12.6% | 3.5% | 1.4% | Fail | 38.9% | 2.0% | 0.6% |
| A2-06.1 LKD 32.3 288 Fail 31.7% 15.0% 5.8% Minimum 58.9% 12.4% 3.2% A2-06.2 Bed 11.0 88 High 83.4% 74.7% 65.6% High 89.4% 76.2% 65.5% A2-06.3 Bed 11.7 96 High 78.2% 67.9% 55.2% High 86.5% 69.7% 54.1% A2-07.1 Studio 34.0 324 Fail 1.9% 0.0% 0.0% Fail 31.5% 0.0% 0.0% A2-08.1 LKD 32.3 288 Fail 36.1% 17.4% 6.7% Minimum 61.5% 15.1% 4.3% A2-08.2 Bed 11.0 88 Medium 71.2% 57.7% 39.8% Medium 83.2% 60.6% 39.5% A2-08.2 Bed 11.7 96 High 80.0% 70.6% 60.0% High 87.6% 72.4% 59.9% | A2-05.2 | Bed | 11.0 | 88 | Minimum | 59.8% | 39.4% | 17.6% | Minimum | 79.3% | 46.6% | 18.0% |
| A2-06.2 Bed 11.0 88 High 83.4% 74.7% 65.6% High 89.4% 76.2% 65.5% A2-06.3 Bed 11.7 96 High 78.2% 67.9% 55.2% High 86.5% 69.7% 54.1% A2-07.1 Studio 34.0 324 Fail 1.9% 0.0% 0.0% Fail 31.5% 0.0% 0.0% A2-08.1 LKD 32.3 288 Fail 36.1% 17.4% 6.7% Minimum 61.5% 15.1% 4.3% A2-08.2 Bed 11.0 88 Medium 71.2% 57.7% 39.8% Medium 83.2% 60.6% 39.5% A2-08.3 Bed 11.7 96 High 80.0% 70.6% 60.0% High 87.6% 72.4% 59.9% A2-09.1 LKD 29.9 264 Fail 30.8% 14.6% 5.3% Minimum 56.6% 10.6% 2.7% | A2-05.3 | Bed | 12.1 | 96 | Minimum | 50.4% | 23.6% | 7.4% | Minimum | 73.4% | 28.0% | 4.7% |
| A2-06.3 Bed 11.7 96 High 78.2% 67.9% 55.2% High 86.5% 69.7% 54.1% A2-07.1 Studio 34.0 324 Fail 1.9% 0.0% 0.0% Fail 31.5% 0.0% 0.0% A2-08.1 LKD 32.3 288 Fail 36.1% 17.4% 6.7% Minimum 61.5% 15.1% 4.3% A2-08.2 Bed 11.0 88 Medium 71.2% 57.7% 39.8% Medium 83.2% 60.6% 39.5% A2-08.3 Bed 11.7 96 High 80.0% 70.6% 60.0% High 87.6% 72.4% 59.9% A2-09.1 LKD 29.9 264 Fail 30.8% 14.6% 5.3% Minimum 56.6% 10.6% 2.7% A2-09.2 Bed 10.1 81 High 84.2% 75.7% 67.5% High 90.5% 79.2% 69.4% | A2-06.1 | LKD | 32.3 | 288 | Fail | 31.7% | 15.0% | 5.8% | Minimum | 58.9% | 12.4% | 3.2% |
| A2-07.1 Studio 34.0 324 Fail 1.9% 0.0% 0.0% Fail 31.5% 0.0% 0.0% A2-08.1 LKD 32.3 288 Fail 36.1% 17.4% 6.7% Minimum 61.5% 15.1% 4.3% A2-08.2 Bed 11.0 88 Medium 71.2% 57.7% 39.8% Medium 83.2% 60.6% 39.5% A2-08.3 Bed 11.7 96 High 80.0% 70.6% 60.0% High 87.6% 72.4% 59.9% A2-09.1 LKD 29.9 264 Fail 30.8% 14.6% 5.3% Minimum 56.6% 10.6% 2.7% A2-09.2 Bed 10.1 81 High 84.2% 75.7% 67.5% High 90.5% 79.2% 69.4% A2-10.1 LKD 31.4 275 High 80.4% 71.8% 62.5% High 85.4% 68.0% 55.9% | A2-06.2 | Bed | 11.0 | 88 | High | 83.4% | 74.7% | 65.6% | High | 89.4% | 76.2% | 65.5% |
| A2-08.1 LKD 32.3 288 Fail 36.1% 17.4% 6.7% Minimum 61.5% 15.1% 4.3% A2-08.2 Bed 11.0 88 Medium 71.2% 57.7% 39.8% Medium 83.2% 60.6% 39.5% A2-08.3 Bed 11.7 96 High 80.0% 70.6% 60.0% High 87.6% 72.4% 59.9% A2-09.1 LKD 29.9 264 Fail 30.8% 14.6% 5.3% Minimum 56.6% 10.6% 2.7% A2-09.2 Bed 10.1 81 High 84.2% 75.7% 67.5% High 90.5% 79.2% 69.4% A2-10.1 LKD 31.4 275 High 80.4% 71.8% 62.5% High 85.4% 68.0% 55.9% A2-10.2 Bed 8.2 66 High 77.6% 67.2% 55.3% High 86.0% 67.8% 51.7% | A2-06.3 | Bed | 11.7 | 96 | High | 78.2% | 67.9% | 55.2% | High | 86.5% | 69.7% | 54.1% |
| A2-08.2 Bed 11.0 88 Medium 71.2% 57.7% 39.8% Medium 83.2% 60.6% 39.5% A2-08.3 Bed 11.7 96 High 80.0% 70.6% 60.0% High 87.6% 72.4% 59.9% A2-09.1 LKD 29.9 264 Fail 30.8% 14.6% 5.3% Minimum 56.6% 10.6% 2.7% A2-09.2 Bed 10.1 81 High 84.2% 75.7% 67.5% High 90.5% 79.2% 69.4% A2-10.1 LKD 31.4 275 High 80.4% 71.8% 62.5% High 85.4% 68.0% 55.9% A2-10.2 Bed 8.2 66 High 77.6% 67.2% 55.3% High 86.0% 67.8% 51.7% A2-10.3 Bed 12.7 101 Medium 71.9% 59.4% 42.9% Medium 83.3% 60.9% 41.3% | A2-07.1 | Studio | 34.0 | 324 | Fail | 1.9% | 0.0% | 0.0% | Fail | 31.5% | 0.0% | 0.0% |
| A2-08.3 Bed 11.7 96 High 80.0% 70.6% 60.0% High 87.6% 72.4% 59.9% A2-09.1 LKD 29.9 264 Fail 30.8% 14.6% 5.3% Minimum 56.6% 10.6% 2.7% A2-09.2 Bed 10.1 81 High 84.2% 75.7% 67.5% High 90.5% 79.2% 69.4% A2-10.1 LKD 31.4 275 High 80.4% 71.8% 62.5% High 85.4% 68.0% 55.9% A2-10.2 Bed 8.2 66 High 77.6% 67.2% 55.3% High 86.0% 67.8% 51.7% A2-10.3 Bed 12.7 101 Medium 71.9% 59.4% 42.9% Medium 83.3% 60.9% 41.3% A2-11.1 LKD 30.1 273 Minimum 50.6% 32.1% 19.4% Minimum 65.1% 27.8% 10.1% <tr< td=""><td>A2-08.1</td><td>LKD</td><td>32.3</td><td>288</td><td>Fail</td><td>36.1%</td><td>17.4%</td><td>6.7%</td><td>Minimum</td><td>61.5%</td><td>15.1%</td><td>4.3%</td></tr<> | A2-08.1 | LKD | 32.3 | 288 | Fail | 36.1% | 17.4% | 6.7% | Minimum | 61.5% | 15.1% | 4.3% |
| A2-09.1 LKD 29.9 264 Fail 30.8% 14.6% 5.3% Minimum 56.6% 10.6% 2.7% A2-09.2 Bed 10.1 81 High 84.2% 75.7% 67.5% High 90.5% 79.2% 69.4% A2-10.1 LKD 31.4 275 High 80.4% 71.8% 62.5% High 85.4% 68.0% 55.9% A2-10.2 Bed 8.2 66 High 77.6% 67.2% 55.3% High 86.0% 67.8% 51.7% A2-10.3 Bed 12.7 101 Medium 71.9% 59.4% 42.9% Medium 83.3% 60.9% 41.3% A2-11.1 LKD 30.1 273 Minimum 50.6% 32.1% 19.4% Minimum 65.1% 27.8% 10.1% A2-11.2 Bed 8.3 64 High 84.0% 77.0% 69.5% High 91.3% 81.7% 73.6% 61.6%< | A2-08.2 | Bed | 11.0 | 88 | Medium | 71.2% | 57.7% | 39.8% | Medium | 83.2% | 60.6% | 39.5% |
| A2-09.2 Bed 10.1 81 High 84.2% 75.7% 67.5% High 90.5% 79.2% 69.4% A2-10.1 LKD 31.4 275 High 80.4% 71.8% 62.5% High 85.4% 68.0% 55.9% A2-10.2 Bed 8.2 66 High 77.6% 67.2% 55.3% High 86.0% 67.8% 51.7% A2-10.3 Bed 12.7 101 Medium 71.9% 59.4% 42.9% Medium 83.3% 60.9% 41.3% A2-11.1 LKD 30.1 273 Minimum 50.6% 32.1% 19.4% Minimum 65.1% 27.8% 10.1% A2-11.2 Bed 8.3 64 High 84.0% 77.0% 69.5% High 91.3% 81.7% 73.6% 61.6% A2-11.3 Bed 12.9 101 High 79.9% 70.6% 61.0% High 87.2% 73.6% 61.6% </td <td>A2-08.3</td> <td>Bed</td> <td>11.7</td> <td>96</td> <td>High</td> <td>80.0%</td> <td>70.6%</td> <td>60.0%</td> <td>High</td> <td>87.6%</td> <td>72.4%</td> <td>59.9%</td> | A2-08.3 | Bed | 11.7 | 96 | High | 80.0% | 70.6% | 60.0% | High | 87.6% | 72.4% | 59.9% |
| A2-10.1 LKD 31.4 275 High 80.4% 71.8% 62.5% High 85.4% 68.0% 55.9% A2-10.2 Bed 8.2 66 High 77.6% 67.2% 55.3% High 86.0% 67.8% 51.7% A2-10.3 Bed 12.7 101 Medium 71.9% 59.4% 42.9% Medium 83.3% 60.9% 41.3% A2-11.1 LKD 30.1 273 Minimum 50.6% 32.1% 19.4% Minimum 65.1% 27.8% 10.1% A2-11.2 Bed 8.3 64 High 84.0% 77.0% 69.5% High 91.3% 81.7% 73.2% A2-11.3 Bed 12.9 101 High 79.9% 70.6% 61.0% High 87.2% 73.6% 61.6% A2-12.1 LKD 31.4 293 Fail 19.4% 4.7% 2.1% Fail 36.0% 3.6% 0.6% | A2-09.1 | LKD | 29.9 | 264 | Fail | 30.8% | 14.6% | 5.3% | Minimum | 56.6% | 10.6% | 2.7% |
| A2-10.2 Bed 8.2 66 High 77.6% 67.2% 55.3% High 86.0% 67.8% 51.7% A2-10.3 Bed 12.7 101 Medium 71.9% 59.4% 42.9% Medium 83.3% 60.9% 41.3% A2-11.1 LKD 30.1 273 Minimum 50.6% 32.1% 19.4% Minimum 65.1% 27.8% 10.1% A2-11.2 Bed 8.3 64 High 84.0% 77.0% 69.5% High 91.3% 81.7% 73.2% A2-11.3 Bed 12.9 101 High 79.9% 70.6% 61.0% High 87.2% 73.6% 61.6% A2-12.1 LKD 31.4 293 Fail 19.4% 4.7% 2.1% Fail 36.0% 3.6% 0.6% A2-12.2 Bed 7.7 53 High 79.8% 70.2% 60.1% High 87.0% 72.7% 60.4% | A2-09.2 | Bed | 10.1 | 81 | High | 84.2% | 75.7% | 67.5% | High | 90.5% | 79.2% | 69.4% |
| A2-10.3 Bed 12.7 101 Medium 71.9% 59.4% 42.9% Medium 83.3% 60.9% 41.3% A2-11.1 LKD 30.1 273 Minimum 50.6% 32.1% 19.4% Minimum 65.1% 27.8% 10.1% A2-11.2 Bed 8.3 64 High 84.0% 77.0% 69.5% High 91.3% 81.7% 73.2% A2-11.3 Bed 12.9 101 High 79.9% 70.6% 61.0% High 87.2% 73.6% 61.6% A2-12.1 LKD 31.4 293 Fail 19.4% 4.7% 2.1% Fail 36.0% 3.6% 0.6% A2-12.2 Bed 7.7 53 High 79.8% 70.2% 60.1% High 87.0% 72.7% 60.4% A2-12.3 Bed 12.0 97 Medium 69.5% 55.9% 41.5% Medium 81.7% 58.5% 41.3% | A2-10.1 | LKD | 31.4 | 275 | High | 80.4% | 71.8% | 62.5% | High | 85.4% | 68.0% | 55.9% |
| A2-11.1 LKD 30.1 273 Minimum 50.6% 32.1% 19.4% Minimum 65.1% 27.8% 10.1% A2-11.2 Bed 8.3 64 High 84.0% 77.0% 69.5% High 91.3% 81.7% 73.2% A2-11.3 Bed 12.9 101 High 79.9% 70.6% 61.0% High 87.2% 73.6% 61.6% A2-12.1 LKD 31.4 293 Fail 19.4% 4.7% 2.1% Fail 36.0% 3.6% 0.6% A2-12.2 Bed 7.7 53 High 79.8% 70.2% 60.1% High 87.0% 72.7% 60.4% A2-12.3 Bed 12.0 97 Medium 69.5% 55.9% 41.5% Medium 81.7% 58.5% 41.3% A2-13.1 LKD 35.3 321 Medium 65.5% 50.8% 40.3% Minimum 71.8% 40.5% 25.3% | A2-10.2 | Bed | 8.2 | 66 | High | 77.6% | 67.2% | 55.3% | High | 86.0% | 67.8% | 51.7% |
| A2-11.2 Bed 8.3 64 High 84.0% 77.0% 69.5% High 91.3% 81.7% 73.2% A2-11.3 Bed 12.9 101 High 79.9% 70.6% 61.0% High 87.2% 73.6% 61.6% A2-12.1 LKD 31.4 293 Fail 19.4% 4.7% 2.1% Fail 36.0% 3.6% 0.6% A2-12.2 Bed 7.7 53 High 79.8% 70.2% 60.1% High 87.0% 72.7% 60.4% A2-12.3 Bed 12.0 97 Medium 69.5% 55.9% 41.5% Medium 81.7% 58.5% 41.3% A2-13.1 LKD 35.3 321 Medium 65.5% 50.8% 40.3% Minimum 71.8% 40.5% 25.3% A2-13.2 Bed 12.0 98 High 74.0% 62.6% 50.5% Medium 83.8% 64.0% 48.9% | A2-10.3 | Bed | 12.7 | 101 | Medium | 71.9% | 59.4% | 42.9% | Medium | 83.3% | 60.9% | 41.3% |
| A2-11.3 Bed 12.9 101 High 79.9% 70.6% 61.0% High 87.2% 73.6% 61.6% A2-12.1 LKD 31.4 293 Fail 19.4% 4.7% 2.1% Fail 36.0% 3.6% 0.6% A2-12.2 Bed 7.7 53 High 79.8% 70.2% 60.1% High 87.0% 72.7% 60.4% A2-12.3 Bed 12.0 97 Medium 69.5% 55.9% 41.5% Medium 81.7% 58.5% 41.3% A2-13.1 LKD 35.3 321 Medium 65.5% 50.8% 40.3% Minimum 71.8% 40.5% 25.3% A2-13.2 Bed 12.0 98 High 74.0% 62.6% 50.5% Medium 83.8% 64.0% 48.9% | A2-11.1 | LKD | 30.1 | 273 | Minimum | 50.6% | 32.1% | 19.4% | Minimum | 65.1% | 27.8% | 10.1% |
| A2-12.1 LKD 31.4 293 Fail 19.4% 4.7% 2.1% Fail 36.0% 3.6% 0.6% A2-12.2 Bed 7.7 53 High 79.8% 70.2% 60.1% High 87.0% 72.7% 60.4% A2-12.3 Bed 12.0 97 Medium 69.5% 55.9% 41.5% Medium 81.7% 58.5% 41.3% A2-13.1 LKD 35.3 321 Medium 65.5% 50.8% 40.3% Minimum 71.8% 40.5% 25.3% A2-13.2 Bed 12.0 98 High 74.0% 62.6% 50.5% Medium 83.8% 64.0% 48.9% | A2-11.2 | Bed | 8.3 | 64 | High | 84.0% | 77.0% | 69.5% | High | 91.3% | 81.7% | 73.2% |
| A2-12.2 Bed 7.7 53 High 79.8% 70.2% 60.1% High 87.0% 72.7% 60.4% A2-12.3 Bed 12.0 97 Medium 69.5% 55.9% 41.5% Medium 81.7% 58.5% 41.3% A2-13.1 LKD 35.3 321 Medium 65.5% 50.8% 40.3% Minimum 71.8% 40.5% 25.3% A2-13.2 Bed 12.0 98 High 74.0% 62.6% 50.5% Medium 83.8% 64.0% 48.9% | A2-11.3 | Bed | 12.9 | 101 | High | 79.9% | 70.6% | 61.0% | High | 87.2% | 73.6% | 61.6% |
| A2-12.3 Bed 12.0 97 Medium 69.5% 55.9% 41.5% Medium 81.7% 58.5% 41.3% A2-13.1 LKD 35.3 321 Medium 65.5% 50.8% 40.3% Minimum 71.8% 40.5% 25.3% A2-13.2 Bed 12.0 98 High 74.0% 62.6% 50.5% Medium 83.8% 64.0% 48.9% | A2-12.1 | LKD | 31.4 | 293 | Fail | 19.4% | 4.7% | 2.1% | Fail | 36.0% | 3.6% | 0.6% |
| A2-13.1 LKD 35.3 321 Medium 65.5% 50.8% 40.3% Minimum 71.8% 40.5% 25.3% A2-13.2 Bed 12.0 98 High 74.0% 62.6% 50.5% Medium 83.8% 64.0% 48.9% | A2-12.2 | Bed | 7.7 | 53 | High | 79.8% | 70.2% | 60.1% | High | 87.0% | 72.7% | 60.4% |
| A2-13.2 Bed 12.0 98 High 74.0% 62.6% 50.5% Medium 83.8% 64.0% 48.9% | A2-12.3 | Bed | 12.0 | 97 | Medium | 69.5% | 55.9% | 41.5% | Medium | 81.7% | 58.5% | 41.3% |
| · · · · · · · · · · · · · · · · · · · | A2-13.1 | LKD | 35.3 | 321 | Medium | 65.5% | 50.8% | 40.3% | Minimum | 71.8% | 40.5% | 25.3% |
| A2-13.3 Bed 15.2 126 Medium 69.1% 55.3% 42.6% Medium 79.6% 53.6% 38.7% | A2-13.2 | Bed | 12.0 | 98 | High | 74.0% | 62.6% | 50.5% | Medium | 83.8% | 64.0% | 48.9% |
| | A2-13.3 | Bed | 15.2 | 126 | Medium | 69.1% | 55.3% | 42.6% | Medium | 79.6% | 53.6% | 38.7% |

| EN1703 | 7:2018 Ta | able A.1 [| Daylight I | Provision | n Room C | omplian | ce | | | | |
|----------|-------------|------------|------------|----------------------|----------|-----------|-----------|-----------------------|-----------|-----------|-----------|
| | u | | | 99 | 0 | 0 | 0 | 8 | 10 | 10 | 10 |
| ₽ | Description | n2 | 5 | Target Compliance | 20 | 500lux_50 | 750lux_50 | Minimum Compliance | 100lux_95 | 300lux_95 | 500lux_95 |
| Space ID | escr | Area m2 | Sensor | arge | 300lux_8 | (n)O(n) | 0103 | mini dmc | 00lu; | 00lu; | 00lu; |
| | | - | | | | | | | | 1.7 | |
| A2-14.1 | LKD | 36.7 | 327 | Minimum | 54.3% | 39.6% | 26.6% | Minimum | 58.2% | 21.0% | 3.7% |
| A2-14.2 | Bed | 12.3 | 103 | Medium | 68.2% | 51.9% | 35.7% | Medium | 82.4% | 57.8% | 38.9% |
| A2-14.3 | Bed | 8.9 | 69 | Medium | 73.7% | 60.3% | 45.5% | Medium | 83.4% | 61.3% | 43.0% |
| A2-15.1 | LKD | 27.5 | 242 | Medium | 72.3% | 56.3% | 40.5% | Medium | 85.7% | 65.1% | 45.7% |
| A2-15.2 | Bed | 12.9 | 100 | Minimum | 66.6% | 49.5% | 32.1% | Minimum | 78.5% | 49.7% | 29.5% |
| A2-16.1 | Studio | 28.6 | 255 | Minimum | 52.4% | 26.4% | 1.0% | Minimum | 75.3% | 34.8% | 2.4% |
| A3-01.1 | LKD | 35.1 | 341 | Medium | 75.7% | 63.2% | 48.3% | Medium | 85.2% | 64.5% | 45.7% |
| A3-01.2 | Bed | 10.6 | 80 | High | 83.5% | 75.1% | 64.5% | High | 90.6% | 78.9% | 68.9% |
| A3-01.3 | Bed | 9.2 | 76 | High | 77.5% | 66.1% | 52.0% | High | 86.7% | 69.5% | 52.0% |
| A3-01.4 | Bed | 11.0 | 92 | Medium | 73.7% | 58.2% | 42.1% | Medium | 86.0% | 66.7% | 46.9% |
| A3-02.1 | LKD | 35.6 | 339 | High | 77.1% | 66.6% | 53.0% | Medium | 85.1% | 65.0% | 47.5% |
| A3-02.2 | Bed | 8.1 | 66 | Medium | 76.7% | 64.7% | 49.5% | Medium | 85.8% | 66.3% | 47.2% |
| A3-02.3 | Bed | 11.1 | 88 | Medium | 73.4% | 57.9% | 41.5% | Medium | 86.1% | 66.6% | 47.0% |
| A3-03.1 | LKD | 32.3 | 288 | Fail | 17.6% | 5.9% | 2.4% | Fail | 45.6% | 3.9% | 1.2% |
| A3-03.2 | Bed | 10.9 | 88 | High | 77.6% | 64.9% | 50.5% | High | 86.7% | 68.9% | 51.1% |
| A3-03.3 | Bed | 12.1 | 96 | Minimum | 65.8% | 47.1% | 28.3% | Minimum | 80.2% | 49.6% | 26.7% |
| A3-04.1 | LKD | 32.3 | 288 | Fail | 34.4% | 15.5% | 6.1% | Minimum | 59.8% | 13.5% | 3.0% |
| A3-04.2 | Bed | 10.9 | 88 | High | 80.5% | 71.1% | 61.0% | High | 88.1% | 73.8% | 61.6% |
| A3-04.3 | Bed | 12.1 | 96 | High | 84.7% | 76.5% | 68.3% | High | 89.7% | 76.3% | 65.1% |
| A3-05.1 | LKD | 32.3 | 288 | Fail | 15.9% | 5.2% | 2.0% | Fail | 44.1% | 3.0% | 0.8% |
| A3-05.2 | Bed | 11.0 | 88 | Minimum | 64.0% | 44.8% | 22.4% | Medium | 81.3% | 50.7% | 24.5% |
| A3-05.3 | Bed | 12.1 | 96 | Minimum | 54.8% | 31.3% | 11.0% | Minimum | 75.8% | 34.4% | 9.1% |
| A3-06.1 | LKD | 32.3 | 288 | Fail | 33.9% | 15.2% | 6.1% | Minimum | 60.2% | 13.5% | 3.1% |
| A3-06.2 | Bed | 11.0 | 88 | High | 83.5% | 74.8% | 66.0% | High | 89.7% | 76.6% | 66.1% |
| A3-06.3 | Bed | 11.7 | 96 | High | 77.9% | 67.6% | 55.1% | High | 86.6% | 70.2% | 55.3% |
| A3-07.1 | Studio | 34.0 | 324 | Fail | 6.5% | 0.2% | 0.0% | Fail | 39.6% | 0.0% | 0.0% |
| A3-08.1 | LKD | 32.3 | 288 | Fail | 36.6% | 17.3% | 7.0% | Minimum | 62.0% | 15.8% | 4.3% |
| A3-08.2 | Bed | 11.0 | 88 | Medium | 71.8% | 59.4% | 42.0% | Medium | 83.9% | 61.8% | 41.8% |
| A3-08.3 | Bed | 11.7 | 96 | High | 80.4% | 70.9% | 60.6% | High | 87.9% | 73.3% | 60.7% |
| A3-09.1 | LKD | 29.9 | 264 | Fail | 32.6% | 14.8% | 5.3% | Minimum | 57.6% | 11.6% | 2.9% |
| A3-09.2 | Bed | 10.1 | 81 | High | 84.4% | 76.1% | 68.0% | High | 90.6% | 79.4% | 69.9% |
| A3-10.1 | LKD | 31.4 | 275 | High | 75.4% | 64.8% | 54.9% | Medium | 82.6% | 62.1% | 48.3% |
| A3-10.2 | Bed | 8.2 | 66 | High | 78.2% | 68.0% | 56.0% | High | 86.1% | 68.7% | 53.1% |
| A3-10.3 | Bed | 12.7 | 101 | Medium | 72.4% | 60.0% | 44.0% | Medium | 83.9% | 62.6% | 42.9% |
| A3-11.1 | LKD | 30.1 | 273 | Minimum | 51.8% | 33.2% | 20.6% | Minimum | 67.1% | 30.5% | 13.3% |
| A3-11.2 | Bed | 8.3 | 64 | High | 84.2% | 77.5% | 69.9% | High | 91.4% | 82.1% | 73.6% |
| A3-11.3 | Bed | 12.9 | 101 | High | 79.9% | 70.5% | 61.1% | High | 87.9% | 74.5% | 63.2% |
| A3-12.1 | LKD | 31.4 | 293 | Fail | 22.4% | 5.3% | 2.1% | Fail | 37.4% | 3.5% | 0.7% |
| A3-12.2 | Bed | 7.7 | 53 | High | 79.9% | 70.5% | 60.5% | High | 87.2% | 73.2% | 61.1% |
| A3-12.3 | Bed | 12.0 | 97 | Medium | 70.7% | 57.1% | 43.3% | Medium | 82.5% | 60.5% | 43.5% |
| A3-13.1 | LKD | 35.3 | 321 | Medium | 66.0% | 52.1% | 40.4% | Minimum | 73.3% | 42.1% | 26.5% |
| A3-13.2 | Bed | 12.0 | 98 | High | 74.0% | 63.1% | 50.8% | High | 84.2% | 65.1% | 50.1% |
| A3-13.3 | Bed | 15.2 | 126 | Medium | 69.5% | 55.7% | 43.1% | Medium | 80.1% | 55.0% | 39.6% |
| A3-14.1 | LKD | 36.7 | 327 | Minimum | 55.4% | 40.6% | 27.7% | Minimum | 60.3% | 24.3% | 4.5% |
| A3-14.2 | Bed | 12.3 | 103 | Medium | 71.4% | 56.6% | 41.5% | Medium | 84.2% | 63.1% | 44.1% |
| A3-14.3 | Bed | 8.9 | 69 | Medium | 76.1% | 64.1% | 49.5% | Medium | 85.1% | 66.1% | 48.3% |
| A3-15.1 | LKD | 27.5 | 242 | Medium | 75.9% | 63.0% | 47.2% | High | 87.0% | 70.2% | 52.4% |
| A3-15.2 | Bed | 12.9 | 100 | Medium | 70.7% | 55.3% | 39.3% | Medium | 81.1% | 55.1% | 34.8% |
| A3-16.1 | Studio | 28.6 | 255 | Fail | 42.6% | 8.0% | 0.0% | Minimum | 71.5% | 21.5% | 0.0% |

| EN1703 | 7:2018 Ta | able A.1 [| Daylight I | Provisio | n Room C | Complian | ce | | | | |
|--------------------|-------------|-------------|------------|----------------------|----------------|----------------|----------------|-----------------------|----------------|----------------|----------------|
| | 1 | | | | | | | 9 | 10 | 10 | 10 |
| ₽ | Description | n2 | <u>.</u> | Target Compliance | 300lux_50 | 500lux_50 | 50lux_50 | Minimum Compliance | 100lux_95 | 300lux_95 | 500lux_95 |
| Space ID | escr | Area m2 | Sensor | Target Compli | 00lm | 00m | :010: | mini | 00lu: | 00lu: | 00m |
| | | - | | | | | _ | | ` | 1.7 | |
| A4-01.1 A4-01.2 | LKD Bed | 35.6 8.1 | 339 | High High | 79.0% 77.8% | 69.2% 66.7% | 57.2% 52.3% | High High | 85.9% 86.4% | 67.7% 68.2% | 51.2% 50.2% |
| A4-01.3 | Bed | 11.1 | 88 | Medium | 74.3% | 60.2% | 44.7% | Medium | 86.3% | 68.0% | 49.4% |
| A4-01.3 | LKD | 32.3 | 288 | Fail | 21.4% | 7.6% | 3.1% | Minimum | 51.2% | 5.8% | 1.8% |
| A4-02.1 | Bed | 10.9 | 88 | High | 78.8% | 68.3% | 54.2% | High | 87.9% | 72.7% | 56.0% |
| A4-02.2 | Bed | 12.1 | 96 | Medium | 73.4% | 57.2% | 41.5% | Medium | 84.2% | 60.0% | 40.2% |
| A4-03.1 | LKD | 32.3 | 288 | Fail | 34.0% | 15.2% | 5.9% | Minimum | 60.3% | 13.8% | 3.0% |
| A4-03.1 | Bed | 10.9 | 88 | High | 80.9% | 71.3% | 61.5% | High | 88.1% | 73.7% | 61.8% |
| A4-03.3 | Bed | 12.1 | 96 | High | 85.3% | 77.5% | 69.2% | High | 89.9% | 77.0% | 66.5% |
| A4-04.1 | LKD | 32.3 | 288 | Fail | 22.0% | 6.9% | 2.6% | Fail | 48.7% | 4.5% | 1.3% |
| A4-04.2 | Bed | 11.0 | 88 | Medium | 68.9% | 50.7% | 31.4% | Medium | 82.9% | 55.1% | 32.5% |
| A4-04.3 | Bed | 12.1 | 96 | Minimum | 58.3% | 37.7% | 16.2% | Minimum | 77.9% | 41.7% | 15.4% |
| A4-05.1 | LKD | 32.3 | 288 | Fail | 34.5% | 15.6% | 5.9% | Minimum | 61.0% | 14.0% | 3.4% |
| A4-05.2 | Bed | 11.0 | 88 | High | 83.3% | 74.7% | 66.0% | High | 89.7% | 76.8% | 66.4% |
| A4-05.3 | Bed | 11.7 | 96 | High | 78.0% | 67.6% | 55.2% | High | 86.6% | 70.4% | 56.2% |
| A4-06.1 | Studio | 34.0 | 324 | Fail | 14.8% | 1.6% | 0.1% | Fail | 45.5% | 0.6% | 0.0% |
| A4-07.1 | LKD | 32.3 | 288 | Fail | 38.6% | 17.7% | 7.0% | Minimum | 62.6% | 16.2% | 4.3% |
| A4-07.2 | Bed | 11.0 | 88 | Medium | 72.0% | 59.5% | 42.4% | Medium | 83.9% | 62.2% | 42.1% |
| A4-07.3 | Bed | 11.7 | 96 | High | 81.0% | 71.6% | 61.7% | High | 88.0% | 73.4% | 61.0% |
| A4-08.1 | LKD | 29.9 | 264 | Fail | 33.3% | 15.1% | 5.7% | Minimum | 57.7% | 12.1% | 2.8% |
| A4-08.2 | Bed | 8.2 | 66 | High | 78.1% | 67.8% | 56.0% | High | 86.1% | 68.3% | 52.6% |
| A4-08.2 | Bed | 10.1 | 81 | High | 84.3% | 76.0% | 67.9% | High | 90.8% | 79.6% | 70.2% |
| A4-08.3 | Bed | 12.7 | 101 | Medium | 72.7% | 60.6% | 44.6% | Medium | 84.2% | 63.0% | 44.1% |
| A4-09.1 | LKD | 31.4 | 275 | High | 80.9% | 72.5% | 63.4% | High | 86.0% | 69.7% | 57.6% |
| A4-09.1 | LKD | 30.1 | 273 | Minimum | 52.8% | 34.4% | 21.1% | Minimum | 67.3% | 30.8% | 13.9% |
| A4-09.2 | Bed | 8.3 | 64 | High | 84.9% | 78.1% | 70.8% | High | 91.6% | 82.3% | 74.1% |
| A4-09.3 | Bed | 12.9 | 101 | High | 80.3% | 71.7% | 61.9% | High | 88.0% | 74.7% | 63.4% |
| A4-10.1 | LKD | 31.4 | 293 | Fail | 22.9% | 5.4% | 2.2% | Fail | 39.1% | 3.7% | 0.8% |
| A4-10.2 | Bed | 7.7 | 53 | High | 80.1% | 71.0% | 61.2% | High | 87.8% | 73.8% | 62.4% |
| A4-10.3 | Bed | 12.0 | 97 | Medium | 71.0% | 57.7% | 44.2% | Medium | 82.6% | 60.9% | 44.3% |
| A4-11.1 | LKD | 35.3 | 321 | Medium | 67.0% | 53.3% | 41.2% | Minimum | 73.7% | 43.3% | 26.9% |
| A4-11.2 | Bed | 12.0 | 98 | High | 74.6% | 63.5% | 52.0% | High | 84.5% | 65.5% | 51.4% |
| A4-11.3 | Bed | 15.2 | 126 | Medium | 70.1% | 57.1% | 44.9% | Medium | 80.4% | 56.2% | 39.9% |
| A4-12.1 | LKD | 36.7 | 327 | Minimum | 57.3% | 42.4% | 30.2% | Minimum | 61.6% | 27.4% | 4.7% |
| A4-12.2 | Bed | 12.3 | 103 | Medium | 73.7% | 60.2% | 45.2% | Medium | 85.3% | 66.5% | 48.9% |
| A4-12.3 | Bed | 8.9 | 69 | High | 77.9% | 67.0% | 54.0% | High | 86.4% | 69.8% | 53.7% |
| A4-13.1 | LKD | 27.5 | 242 | High | 77.2% | 65.5% | 50.2% | High | 87.7% | 72.3% | 56.1% |
| A4-13.2 | Bed | 12.9 | 100 | Medium | 73.6% | 59.5% | 44.2% | Medium | 83.1% | 60.3% | 41.3% |
| A4-14.1 | Studio | 28.6 | 255 | Fail | 44.2% | 11.6% | 0.0% | Minimum | 72.6% | 26.3% | 0.1% |
| A5-01.1 | LKD | 32.3 | 288 | Fail | 26.0% | 9.6% | 3.5% | Minimum | 53.5% | 7.8% | 2.3% |
| A5-01.2 | Bed | 10.9 | 88 | High | 80.1% | 70.1% | 56.6% | High | 88.1% | 73.4% | 57.3% |
| A5-01.3 | Bed | 12.1 | 96 | High | 88.5% | 83.8% | 77.0% | High | 94.2% | 85.4% | 77.8% |
| A5-02.1 | LKD | 32.3 | 288 | Fail | 35.3% | 15.7% | 6.0% | Minimum | 61.2% | 14.4% | 3.5% |
| A5-02.2 | Bed | 10.9 | 88 | High | 80.6% | 71.2% | 61.4% | High | 88.4% | 74.6% | 63.0% |
| A5-02.3 | Bed | 12.1 | 96 | High | 85.7% | 78.4% | 70.2% | High | 90.1% | 77.9% | 67.5% |
| A5-03.1 | LKD | 32.3 | 288 | Fail | 25.3% | 9.0% | 3.2% | Minimum | 53.4% | 6.8% | 1.9% |
| A5-03.2 | Bed | 11.0 | 88 | Medium | 71.7% | 54.3% | 36.9% | Medium | 84.2% | 58.7% | 38.7% |
| A5-03.3 | Bed | 12.1 | 96 | Minimum | 65.5% | 46.3% | 25.1% | Minimum | 79.4% | 46.9% | 21.2% |
| A5-04.1 | LKD | 32.3 | 288 | Fail | 35.3% | 15.7% | 6.3% | Minimum | 61.0% | 14.1% | 3.4% |
| A5-04.2 | Bed | 11.0 | 88 | High | 84.2% | 75.6% | 67.2% | High | 89.9% | 77.2% | 67.0% |
| A5-04.3 | Bed | 11.7 | 96 | High | 78.2% | 67.8% | 56.2% | High | 86.7% | 70.6% | 56.3% |
| | 1 | | | l a | 1 . 0.2 /0 | 1 27.570 | 1 20.2 /0 | 1 2 | 1 20.7 70 | . 0.070 | 1 20.070 |

| EN1703 | 7:2018 Ta | able A.1 [| Daylight I | Provision | n Room C | omplian | ce | | | | |
|--------------------|-------------|------------|------------|----------------------|----------|-----------|-----------|-----------------------|-----------|-----------|-----------|
| | _ | | | 9 | | | | e | 10 | 10 | 10 |
| ₽ | Description | 2 | <u>.</u> | Target Compliance | 20 | 500lux_50 | 750lux_50 | Minimum Compliance | 100lux_95 | 300lux_95 | 500lux_95 |
| Space ID | scri | Area m2 | Sensor | rget | 300lux_8 | olux |) xn O | nim Idm | Olux | olux N |) xn 0 |
| S | De | Are | လီ လိ | Tal Co | 30 | 20 | 75 | ≅õ | 10 | 30 | 20 |
| A5-05.1 | Studio | 34.0 | 324 | Fail | 24.6% | 5.8% | 2.0% | Minimum | 52.7% | 4.3% | 1.1% |
| A5-06.1 | LKD | 32.3 | 288 | Fail | 38.6% | 18.0% | 6.9% | Minimum | 62.8% | 16.2% | 4.5% |
| A5-06.2 | Bed | 11.0 | 88 | Medium | 72.5% | 59.7% | 43.0% | Medium | 84.0% | 62.8% | 43.2% |
| A5-06.3 | Bed | 11.7 | 96 | High | 81.3% | 71.8% | 62.1% | High | 87.9% | 73.4% | 61.5% |
| A5-07.1 | LKD | 29.9 | 264 | Fail | 33.6% | 14.7% | 5.2% | Minimum | 59.4% | 13.1% | 3.1% |
| A5-07.2 | Bed | 10.1 | 81 | High | 84.4% | 76.1% | 68.2% | High | 90.8% | 80.0% | 70.7% |
| A5-08.1 | LKD | 31.4 | 275 | High | 75.9% | 65.3% | 55.7% | Medium | 82.8% | 62.5% | 48.9% |
| A5-08.2 | Bed | 8.2 | 66 | High | 78.4% | 68.1% | 56.6% | High | 86.1% | 68.4% | 52.9% |
| A5-08.3 | Bed | 12.7 | 101 | Medium | 72.9% | 60.4% | 44.5% | Medium | 84.1% | 63.3% | 43.7% |
| A5-09.1 | LKD | 30.1 | 273 | Minimum | 54.3% | 35.3% | 22.0% | Minimum | 67.6% | 31.4% | 14.1% |
| A5-09.2 | Bed | 8.3 | 64 | High | 84.3% | 77.6% | 70.1% | High | 92.1% | 82.7% | 74.6% |
| A5-09.3 | Bed | 12.9 | 101 | High | 80.7% | 72.0% | 62.5% | High | 88.4% | 75.5% | 64.3% |
| A5-10.1 | LKD | 31.4 | 293 | Fail | 23.9% | 5.8% | 2.3% | Fail | 38.9% | 4.0% | 0.8% |
| A5-10.2 | Bed | 7.7 | 53 | High | 80.6% | 71.6% | 61.8% | High | 88.0% | 74.3% | 63.0% |
| A5-10.3 | Bed | 12.0 | 97 | Medium | 71.3% | 58.1% | 44.5% | Medium | 83.3% | 62.3% | 46.1% |
| A5-11.1 | LKD | 34.1 | 320 | Fail | 30.0% | 9.4% | 2.1% | Fail | 42.2% | 5.6% | 0.4% |
| A5-11.2 | Bed | 14.7 | 126 | High | 82.5% | 74.3% | 65.6% | High | 89.6% | 77.9% | 68.0% |
| A5-11.3 | Bed | 8.2 | 63 | High | 81.5% | 72.9% | 63.4% | High | 89.3% | 77.3% | 66.4% |
| A5-11.4 | Bed | 15.2 | 126 | Medium | 70.8% | 57.9% | 46.2% | Medium | 80.5% | 56.5% | 40.3% |
| A5-12.1 | LKD | 27.5 | 242 | High | 80.4% | 70.9% | 57.0% | High | 88.8% | 75.0% | 60.8% |
| A5-12.2 | Bed | 12.9 | 100 | Medium | 73.8% | 60.1% | 44.7% | Medium | 83.9% | 62.8% | 43.4% |
| A5-13.1 | Studio | 28.6 | 255 | Fail | 46.4% | 14.2% | 0.0% | Minimum | 73.2% | 29.1% | 0.2% |
| A6-01.1 | LKD | 32.3 | 288 | Fail | 42.0% | 16.9% | 8.5% | Minimum | 63.4% | 14.6% | 5.0% |
| A6-01.2 | Bed | 10.9 | 88 | High | 80.9% | 71.6% | 59.4% | High | 88.2% | 74.3% | 59.7% |
| A6-01.3 | Bed | 12.1 | 96 | High | 88.4% | 83.8% | 77.0% | High | 94.0% | 85.3% | 77.6% |
| A6-02.1 | LKD | 32.3 | 288 | Fail | 48.0% | 23.8% | 13.5% | Minimum | 66.6% | 21.4% | 8.4% |
| A6-02.2 | Bed | 10.9 | 88 | High | 80.9% | 71.6% | 61.8% | High | 88.4% | 74.8% | 63.2% |
| A6-02.3 | Bed | 12.1 | 96 | High | 85.9% | 78.9% | 70.9% | High | 90.4% | 78.7% | 68.6% |
| A6-03.1 | LKD | 32.3 | 288 | Fail | 29.7% | 10.9% | 4.0% | Minimum | 55.5% | 9.3% | 2.2% |
| A6-03.1 | LKD | 12.1 | 96 | Medium | 69.7% | 51.9% | 33.8% | Medium | 82.8% | 55.2% | 32.8% |
| A6-03.2 | Bed | 11.0 | 88 | Medium | 74.1% | 58.1% | 42.2% | Medium | 85.0% | 62.6% | 43.3% |
| A6-04.1 | LKD | 32.3 | 288 | Fail | 36.3% | 16.7% | 6.1% | Minimum | 61.2% | 13.9% | 3.2% |
| A6-04.2 | Bed | 11.0 | 88 | High | 83.6% | 75.1% | 66.6% | High | 89.9% | 77.3% | 67.0% |
| A6-04.3 | Bed | 11.7 | 96 | High | 78.7% | 68.5% | 56.7% | High | 86.6% | 70.7% | 56.6% |
| A6-05.1 | Studio | 34.0 | 324 | Fail | 39.3% | 14.2% | 6.3% | Minimum | 63.1% | 13.0% | 4.2% |
| A6-06.1 | LKD | 32.3 | 288 | Fail | 39.9% | 18.3% | 7.1% | Minimum | 62.8% | 16.3% | 4.2% |
| A6-06.2 | Bed | 11.0 | 88 | Medium | 72.6% | 59.9% | 43.7% | Medium | 84.2% | 63.1% | 43.6% |
| A6-06.3 | Bed | 11.7 | 96 | High | 81.1% | 71.5% | 61.6% | High | 88.2% | 74.1% | 61.9% |
| A6-07.1 | LKD | 29.9 | 264 | Fail | 34.4% | 15.0% | 5.8% | Minimum | 58.7% | 13.1% | 3.0% |
| A6-07.2 | Bed | 10.1 | 81 | High | 84.7% | 76.7% | 69.0% | High | 90.8% | 79.8% | 70.4% |
| A6-08.1 | LKD | 31.4 | 275 | High | 81.3% | 73.1% | 63.7% | High | 86.1% | 70.3% | 57.9% |
| A6-08.2 | Bed | 8.2 | 66 | High | 78.3% | 68.0% | 56.6% | High | 86.1% | 68.6% | 53.1% |
| A6-08.3 | Bed | 12.7 | 101 | Medium | 72.6% | 60.4% | 44.6% | Medium | 84.3% | 63.7% | 44.7% |
| A6-09.1 | LKD | 30.1 | 273 | Minimum | 54.8% | 35.8% | 22.8% | Minimum | 67.9% | 31.8% | 14.1% |
| A6-09.2 | Bed | 8.3 | 64 | High | 84.9% | 78.0% | 70.6% | High | 92.2% | 82.9% | 75.1% |
| A6-09.2 | Bed | 12.9 | 101 | High | 81.2% | 72.5% | 62.9% | High | 88.5% | 75.9% | 64.7% |
| A6-10.1 | LKD | 31.4 | 293 | Fail | 25.1% | 5.8% | 2.2% | Fail | 39.1% | 3.7% | 0.8% |
| A6-10.1 | Bed | 7.7 | 53 | High | 80.8% | 71.7% | 62.0% | High | 88.0% | 74.6% | 63.2% |
| A6-10.2 A6-10.3 | Bed | 12.0 | 97 | Medium | 71.6% | 58.4% | 45.4% | Medium | 83.5% | 62.7% | 46.4% |
| A6-10.3 | LKD | 34.1 | 320 | Medium | 71.0% | 58.7% | 44.2% | Medium | 82.4% | 59.3% | 39.6% |
| AU-11.1 | LIVD | 34.1 | 320 | wealuff | 12.0% | 30.1% | 44.270 | wealall | 02.470 | US.3% | 39.0% |

| EN17037 | 7:2018 Ta | able A.1 [| Daylight I | Provision | Room C | omplian | се | | | | |
|----------|-------------|------------|------------|----------------------|---------|-----------|----------|-----------------------|----------|-----------|-----------|
| | <u>_</u> | | | 99 | | | 0 | 9 | 10 | 10 | 10 |
| | iptic | n2 | <u>.</u> | lian | × 20 | × 20 | ×_50 | lian | x 95 | 8 | 6 |
| Space ID | Description | Area m2 | Sensor | Target Compliance | 300lux_ | 500lux_50 | 750lux_{ | Minimum Compliance | 100lux_8 | 300lux_95 | 500lux_95 |
| | | - | | | | | | | | 1.1 | |
| A6-11.2 | Bed | 14.1 | 118 | High | 82.2% | 74.1% | 65.5% | High | 89.6% | 78.0% | 68.2% |
| A6-11.3 | Bed | 7.6 | 55 | High | 81.0% | 72.1% | 62.8% | High | 89.3% | 77.5% | 66.8% |
| A6-11.4 | Bed | 15.2 | 126 | Medium | 70.8% | 57.7% | 46.3% | Medium | 81.4% | 58.0% | 42.0% |
| A6-12.1 | LKD | 27.3 | 252 | Minimum | 53.1% | 27.2% | 0.6% | Minimum | 73.0% | 29.7% | 0.1% |
| A6-12.2 | Bed | 10.9 | 89 | Minimum | 65.3% | 45.2% | 20.0% | Minimum | 79.9% | 49.0% | 20.0% |
| A7-01.1 | LKD | 32.3 | 288 | Fail | 35.3% | 13.2% | 4.9% | Minimum | 59.9% | 11.5% | 3.0% |
| A7-01.2 | Bed | 11.0 | 88 | Medium | 75.2% | 61.3% | 45.5% | Medium | 85.4% | 64.8% | 45.7% |
| A7-01.3 | Bed | 12.1 | 96 | Medium | 72.5% | 55.8% | 39.2% | Medium | 84.2% | 59.8% | 40.1% |
| A7-02.1 | LKD | 32.3 | 288 | Fail | 39.2% | 17.6% | 6.3% | Minimum | 62.4% | 16.2% | 3.3% |
| A7-02.2 | Bed | 11.0 | 88 | High | 83.8% | 75.2% | 66.7% | High | 89.9% | 77.3% | 67.1% |
| A7-02.3 | Bed | 11.7 | 96 | High | 75.3% | 64.4% | 50.7% | High | 85.7% | 66.8% | 50.0% |
| A7-03.1 | Studio | 34.0 | 324 | Fail | 48.6% | 23.2% | 11.3% | Minimum | 72.0% | 26.9% | 9.4% |
| A7-04.1 | LKD | 32.3 | 288 | Fail | 41.4% | 19.1% | 7.3% | Minimum | 64.0% | 17.4% | 4.6% |
| A7-04.2 | Bed | 11.0 | 88 | Medium | 72.3% | 59.6% | 43.6% | Medium | 84.4% | 63.4% | 44.4% |
| A7-04.3 | Bed | 11.7 | 96 | High | 78.7% | 68.7% | 57.5% | High | 86.6% | 70.2% | 55.7% |
| A7-05.1 | LKD | 29.9 | 264 | Fail | 34.0% | 15.3% | 5.5% | Minimum | 59.3% | 13.0% | 2.9% |
| A7-05.2 | Bed | 10.1 | 81 | High | 84.7% | 76.8% | 69.1% | High | 90.8% | 79.8% | 70.4% |
| A7-06.1 | LKD | 31.4 | 275 | High | 76.2% | 65.9% | 56.2% | High | 83.2% | 63.5% | 50.3% |
| A7-06.2 | Bed | 8.2 | 66 | High | 77.9% | 67.6% | 56.3% | High | 86.1% | 68.7% | 53.4% |
| A7-06.3 | Bed | 12.7 | 101 | Medium | 72.8% | 60.7% | 45.0% | Medium | 84.1% | 63.2% | 44.3% |
| A7-07.1 | LKD | 30.1 | 273 | Minimum | 56.2% | 36.5% | 23.1% | Minimum | 68.9% | 32.9% | 14.7% |
| A7-07.2 | Bed | 8.3 | 64 | High | 85.0% | 78.2% | 70.8% | High | 92.2% | 82.8% | 74.8% |
| A7-07.3 | Bed | 12.9 | 101 | High | 81.3% | 72.7% | 63.4% | High | 88.5% | 75.8% | 64.6% |
| A7-08.1 | LKD | 31.4 | 293 | Fail | 26.0% | 6.1% | 2.3% | Fail | 40.1% | 3.7% | 0.7% |
| A7-08.2 | Bed | 7.7 | 53 | High | 81.3% | 72.4% | 62.9% | High | 88.5% | 75.3% | 64.0% |
| A7-08.3 | Bed | 12.0 | 97 | Medium | 72.4% | 60.0% | 47.1% | Medium | 83.9% | 63.5% | 47.9% |
| A7-09.1 | LKD | 34.1 | 320 | Medium | 66.7% | 51.8% | 35.2% | Medium | 78.7% | 51.5% | 30.4% |
| A7-09.2 | Bed | 14.7 | 126 | High | 82.7% | 74.8% | 66.1% | High | 89.9% | 78.5% | 69.0% |
| A7-09.3 | Bed | 8.2 | 63 | High | 82.1% | 73.6% | 64.6% | High | 89.2% | 77.3% | 66.5% |
| A7-09.4 | Bed | 15.2 | 126 | Medium | 70.5% | 57.6% | 46.1% | Medium | 79.7% | 54.2% | 39.0% |
| A8-01.1 | LKD | 31.2 | 288 | Medium | 72.9% | 57.0% | 41.8% | Medium | 86.0% | 67.3% | 48.4% |
| A8-01.2 | Bed | 11.1 | 90 | Medium | 76.3% | 63.4% | 48.2% | Medium | 85.8% | 66.8% | 48.3% |
| A8-01.3 | Bed | 11.7 | 96 | Medium | 75.0% | 60.8% | 44.8% | Medium | 85.0% | 63.8% | 44.4% |
| A8-02.1 | LKD | 29.1 | 264 | Medium | 73.2% | 58.9% | 42.4% | Medium | 85.8% | 66.9% | 47.5% |
| A8-02.2 | Bed | 12.7 | 109 | Medium | 72.6% | 60.4% | 44.8% | Medium | 85.3% | 65.9% | 49.2% |
| A8-03.1 | Studio | 34.0 | 324 | Minimum | 55.3% | 33.3% | 16.9% | Minimum | 75.0% | 36.6% | 14.1% |
| A8-04.1 | LKD | 27.6 | 240 | Fail | 42.1% | 19.4% | 7.5% | Minimum | 62.6% | 16.3% | 4.4% |
| A8-04.2 | Bed | 11.7 | 98 | Medium | 71.9% | 59.2% | 43.2% | Medium | 85.4% | 66.0% | 48.4% |
| A8-05.1 | LKD | 29.9 | 264 | Fail | 34.6% | 15.4% | 6.0% | Minimum | 58.4% | 12.6% | 2.8% |
| A8-05.2 | Bed | 10.1 | 81 | High | 84.5% | 76.5% | 68.5% | High | 90.8% | 79.6% | 70.3% |
| A8-06.1 | LKD | 31.4 | 275 | High | 81.5% | 73.3% | 64.0% | High | 86.1% | 70.3% | 58.0% |
| A8-06.2 | Bed | 8.2 | 66 | High | 78.9% | 69.0% | 57.6% | High | 86.2% | 69.2% | 53.9% |
| A8-06.3 | Bed | 12.7 | 101 | Medium | 73.3% | 61.2% | 45.5% | Medium | 84.4% | 63.8% | 45.0% |
| A8-07.1 | LKD | 30.1 | 273 | Minimum | 58.3% | 39.2% | 24.8% | Minimum | 70.2% | 34.2% | 15.7% |
| A8-07.2 | Bed | 8.3 | 64 | High | 85.0% | 78.2% | 70.8% | High | 92.2% | 82.8% | 74.8% |
| A8-07.3 | Bed | 12.9 | 101 | High | 81.2% | 72.5% | 63.1% | High | 88.6% | 75.8% | 64.7% |
| A8-08.1 | LKD | 31.4 | 293 | Fail | 35.1% | 13.2% | 3.4% | Minimum | 53.5% | 10.0% | 1.9% |
| A8-08.2 | Bed | 7.7 | 53 | High | 81.9% | 73.4% | 64.0% | High | 88.7% | 76.0% | 64.7% |
| A8-08.3 | Bed | 12.0 | 97 | High | 74.0% | 62.5% | 50.4% | Medium | 84.5% | 64.4% | 49.5% |

| EN1703 | 7:2018 Ta | able A.1 [| Daylight I | Provision | n Room C | omplian | ce | | | | |
|----------|-------------|------------|-----------------|----------------------|-----------|-----------|-----------|-----------------------|-----------|-----------|-----------|
| Space ID | Description | Area m2 | Sensor Count | Target Compliance | 300lux_50 | 500lux_50 | 750lux_50 | Minimum Compliance | 100lux_95 | 300lux_95 | 500lux_95 |
| A9-01.1 | LKD | 31.2 | 288 | Medium | 72.7% | 57.1% | 42.0% | Medium | 85.9% | 67.2% | 48.5% |
| A9-01.2 | Bed | 11.1 | 90 | High | 77.1% | 64.8% | 50.0% | High | 86.2% | 67.8% | 50.1% |
| A9-01.3 | Bed | 11.7 | 96 | Medium | 75.5% | 62.3% | 46.8% | Medium | 85.5% | 65.5% | 46.8% |
| A9-02.1 | Studio | 34.0 | 324 | Minimum | 59.7% | 39.8% | 21.4% | Minimum | 76.4% | 42.3% | 19.0% |
| A9-03.1 | LKD | 27.6 | 240 | Fail | 44.7% | 22.3% | 12.2% | Minimum | 63.1% | 18.0% | 5.2% |
| A9-03.2 | Bed | 11.7 | 98 | Medium | 69.6% | 55.0% | 37.4% | Medium | 83.7% | 61.8% | 42.0% |
| A9-04.1 | LKD | 29.9 | 264 | Fail | 47.0% | 23.5% | 13.3% | Minimum | 64.8% | 19.7% | 5.6% |
| A9-04.2 | Bed | 10.1 | 81 | High | 83.6% | 75.2% | 66.8% | High | 90.8% | 79.7% | 70.3% |
| A9-05.1 | LKD | 31.4 | 275 | High | 75.4% | 64.7% | 54.8% | Medium | 81.6% | 59.6% | 44.2% |
| A9-05.2 | Bed | 8.2 | 66 | High | 77.9% | 67.6% | 56.3% | High | 86.3% | 69.6% | 54.9% |
| A9-05.3 | Bed | 12.7 | 101 | Medium | 72.4% | 60.2% | 44.5% | Medium | 84.4% | 63.7% | 44.8% |
| A10-01.1 | LKD | 31.2 | 288 | Medium | 73.4% | 58.7% | 43.8% | High | 86.3% | 68.9% | 50.5% |
| A10-01.2 | Bed | 11.1 | 90 | High | 77.0% | 64.5% | 50.1% | High | 86.3% | 67.8% | 50.1% |
| A10-01.3 | Bed | 11.7 | 96 | Medium | 76.6% | 63.8% | 48.8% | Medium | 85.8% | 66.3% | 48.1% |
| A10-02.1 | Studio | 34.0 | 324 | Minimum | 62.6% | 43.6% | 25.4% | Minimum | 77.0% | 44.1% | 20.2% |
| A10-03.1 | LKD | 40.4 | 380 | High | 85.8% | 79.9% | 74.1% | High | 92.7% | 83.6% | 76.8% |
| A10-03.2 | Bed | 12.7 | 108 | High | 76.6% | 66.9% | 55.3% | High | 86.6% | 71.1% | 58.2% |
| A10-03.3 | Bed | 13.2 | 110 | High | 75.1% | 64.3% | 51.3% | High | 85.4% | 67.1% | 52.0% |
| A10-03.4 | Bed | 10.5 | 86 | High | 88.9% | 84.5% | 79.3% | High | 94.6% | 86.2% | 80.9% |
| A10-03.5 | Bed | 15.8 | 135 | High | 92.6% | 88.6% | 85.1% | High | 97.5% | 89.2% | 84.8% |
| A11-01.1 | LKD | 40.4 | 380 | High | 85.6% | 79.3% | 73.7% | High | 92.5% | 83.4% | 76.4% |
| A11-01.2 | Bed | 12.7 | 108 | High | 76.5% | 66.6% | 54.9% | High | 86.4% | 70.6% | 57.4% |
| A11-01.3 | Bed | 13.2 | 110 | High | 74.4% | 63.6% | 50.4% | High | 85.5% | 67.2% | 52.0% |
| A11-01.4 | Bed | 10.5 | 86 | High | 87.8% | 83.2% | 77.2% | High | 93.9% | 85.6% | 79.4% |
| A11-01.5 | Bed | 15.8 | 135 | High | 90.9% | 87.0% | 83.1% | High | 96.4% | 88.0% | 83.4% |

Table 15: Daylight Provision individual room compliance values for all habitable rooms to EN 17037 Table A.1.

Appendix C - Sunlight Hours for Living Spaces

| Sunlight | Hours | | |
|--------------------|--------------------------------|----------------------------------|-------------------------|
| Unit ID | LKD window within 90° South | No. sunlight hours on 21st March | Compliance |
| A0-01.1 | No | 0.7 | Below criteria |
| A0-02.1 | Yes | 4.3 | High |
| A0-03.1 | No | 0.0 | Below criteria |
| A0-04.1 | Yes | 3.2 | Medium |
| A0-05.1 | No | 0.0 | Below criteria |
| A0-06.1 | Yes | 2.9 | Minimum |
| A0-07.1 | No | 0.0 | Below criteria |
| A0-08.1 | Yes | 2.9 | Minimum |
| A0-09.1 | Yes | 2.9 | Minimum |
| A0-10.1 | Yes | 9.9 | High |
| A0-11.1 | Yes | 3.1 | Medium |
| A1-01.1 | No | 0.8 | Below criteria |
| A1-02.1 | Yes | 4.3 | High |
| A1-03.1 | No | 0.2 | Below criteria |
| A1-04.1 | Yes | 2.8 | Minimum |
| A1-05.1 | No | 0.0 | Below criteria |
| A1-06.1 | Yes | 2.7 | Minimum |
| A1-07.1 | No | 0.0 | Below criteria |
| A1-08.1 | Yes | 2.6 | Minimum |
| A1-09.1 | Yes | 2.6 | Minimum |
| A1-10.1 | Yes | 10.3 | High |
| A1-11.1 | Yes | 2.8 | Minimum |
| A2-01.1 | No | 1.5 | Minimum |
| A2-02.1 | Yes | 4.3 | High |
| A2-03.1 | No | 0.4 | Below criteria |
| A2-04.1 | Yes | 2.8 | Minimum |
| A2-05.1 | No | 0.0 | Below criteria |
| A2-06.1 | Yes | 2.8 | Minimum |
| A2-00.1 | No | 0.0 | Below criteria |
| A2-08.1 | Yes | 2.8 | Minimum |
| A2-09.1 | Yes | 2.8 | Minimum |
| A2-10.1 | Yes | 10.3 | High |
| A2-10.1 | Yes | 2.8 | Minimum |
| A2-11.1 | Yes | 0.0 | Below criteria |
| A2-12.1 | Yes | 9.5 | High |
| A2-13.1 | Yes | 9.9 | High |
| A2-14.1 A2-15.1 | No | 0.0 | Below criteria |
| A2-15.1 A2-16.1 | No | 0.0 | Below criteria |
| | | | Minimum |
| A3-01.1 A3-02.1 | No Yes | 1.8 4.3 | High |
| | | | Below criteria |
| A3-03.1 | No | 0.7 | |
| A3-04.1 | Yes | 2.8 | Minimum Rolew criteria |
| A3-05.1 | No | 0.0 | Below criteria |
| A3-06.1 | Yes | 2.8 | Minimum |
| A3-07.1 | No | 0.0 | Below criteria |
| A3-08.1 | Yes | 2.8 | Minimum |
| A3-09.1 | Yes | 2.8 | Minimum |
| A3-10.1 | Yes | 10.3 | High |
| A3-11.1 | Yes | 2.8 | Minimum |
| A3-12.1 | Yes | 0.0 | Below criteria |
| A3-13.1 | Yes | 9.5 | High |

| Unit ID | Sunlight | Hours | | |
|--|----------|-------|----------------------------------|----------------|
| A3-15.1 No 0.0 Below criteria A3-16.1 No 0.0 Below criteria A4-01.1 Yes 4.3 High A4-02.1 No 1.6 Minimum A4-03.1 Yes 2.8 Minimum A4-03.1 No 0.3 Below criteria A4-04.1 No 0.0 Below criteria A4-05.1 Yes 2.8 Minimum A4-06.1 No 0.0 Below criteria A4-07.1 Yes 2.8 Minimum A4-08.1 Yes 2.8 Minimum A4-09.1 Yes 2.8 Minimum A4-09.1 Yes 2.8 Minimum A4-10.1 Yes 2.8 Minimum A4-10.1 Yes 9.9 High A4-10.1 Yes 9.9 High A4-11.1 No 0.7 Below criteria A4-12.1 No 0.0 Below criteria | Unit ID | | No. sunlight hours on 21st March | Compliance |
| A3-16.1 No 0.0 Below criteria A4-01.1 Yes 4.3 High A4-02.1 No 1.6 Minimum A4-03.1 Yes 2.8 Minimum A4-04.1 No 0.3 Below criteria A4-05.1 Yes 2.8 Minimum A4-05.1 Yes 2.8 Minimum A4-07.1 Yes 2.8 Minimum A4-08.1 Yes 2.8 Minimum A4-09.1 Yes 10.3 High A4-09.1 Yes 2.8 Minimum A4-10.1 Yes 2.8 Minimum A4-11.1 Yes 0.0 Below criteria A4-12.1 Yes 9.5 High A4-13.1 Yes 9.9 High A4-14.1 No 0.7 Below criteria A5-01.1 No 0.0 Below criteria A5-02.1 Yes 2.8 Minimum A5-03. | A3-14.1 | Yes | 9.9 | High |
| A4-01.1 Yes 4.3 High A4-02.1 No 1.6 Minimum A4-03.1 Yes 2.8 Minimum A4-04.1 No 0.3 Below criteria A4-05.1 Yes 2.8 Minimum A4-06.1 No 0.0 Below criteria A4-07.1 Yes 2.8 Minimum A4-08.1 Yes 2.8 Minimum A4-09.1 Yes 10.3 High A4-10.1 Yes 2.8 Minimum A4-11.1 Yes 0.0 Below criteria A4-13.1 Yes 9.5 High A4-13.1 Yes 9.9 High A4-14.1 No 0.7 Below criteria A4-15.1 No 0.0 Below criteria A5-02.1 Yes 2.8 Minimum A5-02.1 Yes 2.8 Minimum A5-03.1 No 1.8 Minimum A5-05.1 | A3-15.1 | No | 0.0 | Below criteria |
| A4-02.1 No 1.6 Minimum A4-03.1 Yes 2.8 Minimum A4-04.1 No 0.3 Below criteria A4-05.1 Yes 2.8 Minimum A4-06.1 No 0.0 Below criteria A4-07.1 Yes 2.8 Minimum A4-08.1 Yes 2.8 Minimum A4-09.1 Yes 10.3 High A4-09.1 Yes 10.3 High A4-09.1 Yes 2.8 Minimum A4-09.1 Yes 2.8 Minimum A4-10.1 Yes 2.8 Minimum A4-11.1 Yes 9.5 High A4-12.1 Yes 9.5 High A4-13.1 Yes 9.9 High A4-13.1 No 0.7 Below criteria A5-02.1 Yes 2.8 Minimum A5-03.1 No 1.8 Minimum A5-04.1 < | A3-16.1 | No | 0.0 | Below criteria |
| A4-03.1 Yes 2.8 Minimum A4-04.1 No 0.3 Below criteria A4-05.1 Yes 2.8 Minimum A4-06.1 No 0.0 Below criteria A4-06.1 Yes 2.8 Minimum A4-08.1 Yes 2.8 Minimum A4-09.1 Yes 10.3 High A4-09.1 Yes 10.3 High A4-09.1 Yes 0.0 Below criteria A4-10.1 Yes 9.5 High A4-11.1 Yes 9.5 High A4-11.1 Yes 9.5 High A4-12.1 Yes 9.5 High A4-13.1 Yes 9.9 High A4-13.1 No 0.7 Below criteria A4-13.1 No 0.7 Below criteria A5-03.1 No 1.8 Minimum A5-03.1 No 1.8 Minimum A5-04.1 | A4-01.1 | Yes | 4.3 | High |
| A4-04.1 No 0.3 Below criteria A4-05.1 Yes 2.8 Minimum A4-06.1 No 0.0 Below criteria A4-07.1 Yes 2.8 Minimum A4-08.1 Yes 2.8 Minimum A4-09.1 Yes 10.3 High A4-10.1 Yes 2.8 Minimum A4-10.1 Yes 0.0 Below criteria A4-11.1 Yes 9.5 High A4-12.1 Yes 9.5 High A4-13.1 Yes 9.9 High A4-13.1 No 0.7 Below criteria A4-13.1 No 0.0 Below criteria A5-01.1 No 0.0 Below criteria A5-02.1 Yes 2.8 Minimum A5-03.1 No 1.8 Minimum A5-04.1 Yes 2.8 Minimum A5-05.1 No 0.0 Below criteria | A4-02.1 | No | 1.6 | Minimum |
| A4-05.1 Yes 2.8 Minimum A4-06.1 No 0.0 Below criteria A4-07.1 Yes 2.8 Minimum A4-08.1 Yes 2.8 Minimum A4-09.1 Yes 10.3 High A4-10.1 Yes 2.8 Minimum A4-10.1 Yes 0.0 Below criteria A4-11.1 Yes 9.5 High A4-12.1 Yes 9.5 High A4-13.1 Yes 9.9 High A4-13.1 No 0.7 Below criteria A4-13.1 No 0.0 Below criteria A5-01.1 No 0.0 Below criteria A5-02.1 Yes 2.8 Minimum A5-03.1 No 1.8 Minimum A5-04.1 Yes 2.8 Minimum A5-05.1 No 0.0 Below criteria A5-06.1 Yes 2.8 Minimum | A4-03.1 | Yes | 2.8 | Minimum |
| A4-06.1 No 0.0 Below criteria A4-07.1 Yes 2.8 Minimum A4-08.1 Yes 2.8 Minimum A4-09.1 Yes 10.3 High A4-10.1 Yes 2.8 Minimum A4-11.1 Yes 0.0 Below criteria A4-12.1 Yes 9.5 High A4-13.1 Yes 9.9 High A4-14.1 No 0.7 Below criteria A4-15.1 No 0.0 Below criteria A5-01.1 No 0.0 Below criteria A5-02.1 Yes 2.8 Minimum A5-03.1 No 1.8 Minimum A5-04.1 Yes 2.8 Minimum A5-05.1 No 0.0 Below criteria A5-06.1 Yes 2.8 Minimum A5-07.1 Yes 2.8 Minimum A5-07.1 Yes 2.8 Minimum < | A4-04.1 | No | 0.3 | Below criteria |
| A4-07.1 Yes 2.8 Minimum A4-08.1 Yes 2.8 Minimum A4-09.1 Yes 10.3 High A4-10.1 Yes 2.8 Minimum A4-11.1 Yes 0.0 Below criteria A4-12.1 Yes 9.5 High A4-13.1 Yes 9.9 High A4-13.1 No 0.7 Below criteria A4-15.1 No 0.0 Below criteria A5-01.1 No 2.3 Minimum A5-02.1 Yes 2.8 Minimum A5-03.1 No 1.8 Minimum A5-03.1 No 1.8 Minimum A5-04.1 Yes 2.8 Minimum A5-05.1 No 0.0 Below criteria A5-06.1 Yes 2.8 Minimum A5-07.1 Yes 2.8 Minimum A5-08.1 Yes 2.8 Minimum A5-10.1 <td>A4-05.1</td> <td>Yes</td> <td>2.8</td> <td>Minimum</td> | A4-05.1 | Yes | 2.8 | Minimum |
| A4-08.1 Yes 2.8 Minimum A4-09.1 Yes 10.3 High A4-10.1 Yes 2.8 Minimum A4-10.1 Yes 0.0 Below criteria A4-11.1 Yes 9.5 High A4-12.1 No 0.7 Below criteria A4-13.1 Yes 9.9 High A4-12.1 No 0.7 Below criteria A4-13.1 No 0.0 Below criteria A5-01.1 No 0.0 Below criteria A5-02.1 Yes 2.8 Minimum A5-03.1 No 1.8 Minimum A5-04.1 Yes 2.8 Minimum A5-05.1 No 0.0 Below criteria A5-06.1 Yes 2.8 Minimum A5-07.1 Yes 2.8 Minimum A5-08.1 Yes 2.8 Minimum A5-10.1 Yes 2.8 Minimum < | A4-06.1 | No | 0.0 | Below criteria |
| A4-09.1 Yes 10.3 High A4-10.1 Yes 2.8 Minimum A4-10.1 Yes 0.0 Below criteria A4-11.1 Yes 9.5 High A4-12.1 Yes 9.9 High A4-13.1 Yes 9.9 High A4-13.1 No 0.7 Below criteria A4-13.1 No 0.0 Below criteria A5-01.1 No 0.0 Below criteria A5-01.1 No 1.8 Minimum A5-02.1 Yes 2.8 Minimum A5-03.1 No 1.8 Minimum A5-04.1 Yes 2.8 Minimum A5-05.1 No 0.0 Below criteria A5-06.1 Yes 2.8 Minimum A5-07.1 Yes 2.8 Minimum A5-08.1 Yes 10.3 High A5-09.1 Yes 2.8 Minimum A5-11.1 </td <td>A4-07.1</td> <td>Yes</td> <td>2.8</td> <td>Minimum</td> | A4-07.1 | Yes | 2.8 | Minimum |
| A4-10.1 Yes 2.8 Minimum A4-11.1 Yes 0.0 Below criteria A4-12.1 Yes 9.5 High A4-13.1 Yes 9.9 High A4-13.1 No 0.7 Below criteria A4-15.1 No 0.0 Below criteria A5-01.1 No 2.3 Minimum A5-02.1 Yes 2.8 Minimum A5-02.1 Yes 2.8 Minimum A5-03.1 No 1.8 Minimum A5-04.1 Yes 2.8 Minimum A5-04.1 Yes 2.8 Minimum A5-05.1 No 0.0 Below criteria A5-06.1 Yes 2.8 Minimum A5-07.1 Yes 2.8 Minimum A5-08.1 Yes 10.3 High A5-09.1 Yes 2.8 Minimum A5-10.1 Yes 2.8 Minimum A5-11.1 <td>A4-08.1</td> <td>Yes</td> <td>2.8</td> <td>Minimum</td> | A4-08.1 | Yes | 2.8 | Minimum |
| A4-11.1 Yes 0.0 Below criteria A4-12.1 Yes 9.5 High A4-13.1 Yes 9.9 High A4-13.1 No 0.7 Below criteria A4-15.1 No 0.0 Below criteria A5-01.1 No 2.3 Minimum A5-02.1 Yes 2.8 Minimum A5-03.1 No 1.8 Minimum A5-03.1 No 1.8 Minimum A5-04.1 Yes 2.8 Minimum A5-05.1 No 0.0 Below criteria A5-06.1 Yes 2.8 Minimum A5-07.1 Yes 2.8 Minimum A5-08.1 Yes 2.8 Minimum A5-09.1 Yes 2.8 Minimum A5-09.1 Yes 2.8 Minimum A5-10.1 Yes 2.8 Minimum A5-11.1 Yes 2.8 Minimum A6-01.1 </td <td>A4-09.1</td> <td>Yes</td> <td>10.3</td> <td>High</td> | A4-09.1 | Yes | 10.3 | High |
| A4-12.1 Yes 9.5 High A4-13.1 Yes 9.9 High A4-14.1 No 0.7 Below criteria A4-15.1 No 0.0 Below criteria A5-01.1 No 2.3 Minimum A5-02.1 Yes 2.8 Minimum A5-03.1 No 1.8 Minimum A5-04.1 Yes 2.8 Minimum A5-04.1 Yes 2.8 Minimum A5-05.1 No 0.0 Below criteria A5-06.1 Yes 2.8 Minimum A5-07.1 Yes 2.8 Minimum A5-08.1 Yes 2.8 Minimum A5-09.1 Yes 2.8 Minimum A5-10.1 Yes 2.8 Minimum A5-11.1 Yes 2.8 Minimum A5-12.1 Yes 1.3 Below criteria A5-13.1 No 0.0 Below criteria A6 | A4-10.1 | Yes | 2.8 | Minimum |
| A4-13.1 Yes 9.9 High A4-15.1 No 0.7 Below criteria A5-01.1 No 2.3 Minimum A5-02.1 Yes 2.8 Minimum A5-03.1 No 1.8 Minimum A5-03.1 No 1.8 Minimum A5-04.1 Yes 2.8 Minimum A5-04.1 Yes 2.8 Minimum A5-05.1 No 0.0 Below criteria A5-06.1 Yes 2.8 Minimum A5-07.1 Yes 2.8 Minimum A5-08.1 Yes 2.8 Minimum A5-09.1 Yes 2.8 Minimum A5-09.1 Yes 2.8 Minimum A5-10.1 Yes 0.0 Below criteria A5-11.1 Yes 0.0 Below criteria A5-12.1 Yes 1.3 Below criteria A6-01.1 No 2.2 Minimum <td< td=""><td>A4-11.1</td><td>Yes</td><td>0.0</td><td>Below criteria</td></td<> | A4-11.1 | Yes | 0.0 | Below criteria |
| A4-14.1 No 0.7 Below criteria A4-15.1 No 0.0 Below criteria A5-01.1 No 2.3 Minimum A5-02.1 Yes 2.8 Minimum A5-03.1 No 1.8 Minimum A5-03.1 No 1.8 Minimum A5-04.1 Yes 2.8 Minimum A5-04.1 Yes 2.8 Minimum A5-05.1 No 0.0 Below criteria A5-06.1 Yes 2.8 Minimum A5-07.1 Yes 2.8 Minimum A5-08.1 Yes 2.8 Minimum A5-09.1 Yes 2.8 Minimum A5-09.1 Yes 2.8 Minimum A5-10.1 Yes 0.0 Below criteria A5-11.1 Yes 1.3 Below criteria A5-12.1 Yes 1.3 High A6-01.1 No 2.2 Minimum | A4-12.1 | Yes | 9.5 | High |
| A4-15.1 No 0.0 Below criteria A5-01.1 No 2.3 Minimum A5-02.1 Yes 2.8 Minimum A5-03.1 No 1.8 Minimum A5-04.1 Yes 2.8 Minimum A5-04.1 Yes 2.8 Minimum A5-05.1 No 0.0 Below criteria A5-06.1 Yes 2.8 Minimum A5-07.1 Yes 2.8 Minimum A5-08.1 Yes 10.3 High A5-09.1 Yes 2.8 Minimum A5-09.1 Yes 2.8 Minimum A5-10.1 Yes 0.0 Below criteria A5-11.1 Yes 2.8 Minimum A5-12.1 Yes 1.3 Below criteria A5-13.1 No 0.0 Below criteria A6-01.1 Yes 2.8 Minimum A6-02.1 Yes 2.8 Minimum < | A4-13.1 | Yes | 9.9 | High |
| A5-01.1 No 2.3 Minimum A5-02.1 Yes 2.8 Minimum A5-03.1 No 1.8 Minimum A5-04.1 Yes 2.8 Minimum A5-05.1 No 0.0 Below criteria A5-06.1 Yes 2.8 Minimum A5-07.1 Yes 2.8 Minimum A5-08.1 Yes 10.3 High A5-08.1 Yes 2.8 Minimum A5-09.1 Yes 2.8 Minimum A5-10.1 Yes 0.0 Below criteria A5-11.1 Yes 2.8 Minimum A5-11.1 Yes 2.8 Minimum A5-12.1 Yes 1.3 Below criteria A5-13.1 No 0.0 Below criteria A6-01.1 Yes 2.8 Minimum A6-02.1 Yes 2.8 Minimum A6-05.1 No 0.2 Below criteria < | A4-14.1 | No | 0.7 | Below criteria |
| A5-02.1 Yes 2.8 Minimum A5-03.1 No 1.8 Minimum A5-04.1 Yes 2.8 Minimum A5-05.1 No 0.0 Below criteria A5-06.1 Yes 2.8 Minimum A5-06.1 Yes 2.8 Minimum A5-07.1 Yes 2.8 Minimum A5-08.1 Yes 2.8 Minimum A5-09.1 Yes 2.8 Minimum A5-10.1 Yes 0.0 Below criteria A5-11.1 Yes 2.8 Minimum A5-12.1 Yes 1.3 Below criteria A5-13.1 No 0.0 Below criteria A6-01.1 No 3.5 Medium A6-02.1 Yes 4.3 High A6-03.1 No 2.2 Minimum A6-04.1 Yes 2.8 Minimum A6-05.1 No 0.2 Below criteria | A4-15.1 | No | 0.0 | Below criteria |
| A5-03.1 No 1.8 Minimum A5-04.1 Yes 2.8 Minimum A5-05.1 No 0.0 Below criteria A5-06.1 Yes 2.8 Minimum A5-06.1 Yes 2.8 Minimum A5-08.1 Yes 10.3 High A5-08.1 Yes 2.8 Minimum A5-09.1 Yes 2.8 Minimum A5-10.1 Yes 0.0 Below criteria A5-11.1 Yes 2.8 Minimum A5-12.1 Yes 1.3 Below criteria A5-13.1 No 0.0 Below criteria A6-01.1 No 3.5 Medium A6-02.1 Yes 4.3 High A6-03.1 No 2.2 Minimum A6-04.1 Yes 2.8 Minimum A6-05.1 No 0.2 Below criteria A6-06.1 Yes 2.8 Minimum A6 | A5-01.1 | No | 2.3 | Minimum |
| A5-04.1 Yes 2.8 Minimum A5-05.1 No 0.0 Below criteria A5-06.1 Yes 2.8 Minimum A5-07.1 Yes 2.8 Minimum A5-08.1 Yes 10.3 High A5-08.1 Yes 10.0 High A5-09.1 Yes 2.8 Minimum A5-10.1 Yes 0.0 Below criteria A5-11.1 Yes 2.8 Minimum A5-12.1 Yes 1.3 Below criteria A5-13.1 No 0.0 Below criteria A6-01.1 No 3.5 Medium A6-02.1 Yes 4.3 High A6-03.1 No 2.2 Minimum A6-04.1 Yes 2.8 Minimum A6-05.1 No 0.2 Below criteria A6-06.1 Yes 2.8 Minimum A6-07.1 Yes 2.8 Minimum A6- | A5-02.1 | Yes | 2.8 | Minimum |
| A5-05.1 No 0.0 Below criteria A5-06.1 Yes 2.8 Minimum A5-07.1 Yes 2.8 Minimum A5-07.1 Yes 2.8 Minimum A5-08.1 Yes 2.8 Minimum A5-09.1 Yes 0.0 Below criteria A5-10.1 Yes 0.0 Below criteria A5-11.1 Yes 1.3 Below criteria A5-12.1 Yes 1.3 Below criteria A5-13.1 No 0.0 Below criteria A6-01.1 No 3.5 Medium A6-02.1 Yes 4.3 High A6-03.1 No 2.2 Minimum A6-04.1 Yes 2.8 Minimum A6-05.1 No 0.2 Below criteria A6-06.1 Yes 2.8 Minimum A6-07.1 Yes 2.8 Minimum A6-09.1 Yes 0.0 Below criteria | A5-03.1 | No | 1.8 | Minimum |
| A5-06.1 Yes 2.8 Minimum A5-07.1 Yes 2.8 Minimum A5-08.1 Yes 10.3 High A5-09.1 Yes 2.8 Minimum A5-10.1 Yes 0.0 Below criteria A5-11.1 Yes 2.8 Minimum A5-12.1 Yes 1.3 Below criteria A5-13.1 No 0.0 Below criteria A6-01.1 No 3.5 Medium A6-01.1 No 3.5 Medium A6-02.1 Yes 4.3 High A6-03.1 No 2.2 Minimum A6-03.1 No 2.2 Minimum A6-04.1 Yes 2.8 Minimum A6-05.1 No 0.2 Below criteria A6-06.1 Yes 2.8 Minimum A6-07.1 Yes 2.8 Minimum A6-09.1 Yes 2.8 Minimum A6-12.1 <td>A5-04.1</td> <td>Yes</td> <td>2.8</td> <td>Minimum</td> | A5-04.1 | Yes | 2.8 | Minimum |
| A5-07.1 Yes 2.8 Minimum A5-08.1 Yes 10.3 High A5-09.1 Yes 2.8 Minimum A5-10.1 Yes 0.0 Below criteria A5-11.1 Yes 2.8 Minimum A5-12.1 Yes 1.3 Below criteria A5-13.1 No 0.0 Below criteria A6-01.1 No 3.5 Medium A6-02.1 Yes 4.3 High A6-03.1 No 2.2 Minimum A6-04.1 Yes 2.8 Minimum A6-05.1 No 0.2 Below criteria A6-05.1 Yes 2.8 Minimum A6-06.1 Yes 2.8 Minimum A6-07.1 Yes 2.8 Minimum A6-09.1 Yes 2.8 Minimum A6-10.1 Yes 0.0 Below criteria A6-11.1 Yes 0.0 Below criteria | A5-05.1 | No | 0.0 | Below criteria |
| A5-08.1 Yes 10.3 High A5-09.1 Yes 2.8 Minimum A5-10.1 Yes 0.0 Below criteria A5-11.1 Yes 2.8 Minimum A5-12.1 Yes 1.3 Below criteria A5-13.1 No 0.0 Below criteria A6-01.1 No 3.5 Medium A6-01.1 No 3.5 Medium A6-02.1 Yes 4.3 High A6-03.1 No 2.2 Minimum A6-03.1 No 2.2 Minimum A6-04.1 Yes 2.8 Minimum A6-05.1 No 0.2 Below criteria A6-05.1 Yes 2.8 Minimum A6-07.1 Yes 2.8 Minimum A6-09.1 Yes 2.8 Minimum A6-10.1 Yes 0.0 Below criteria A6-11.1 Yes 2.8 Minimum A6- | A5-06.1 | Yes | 2.8 | Minimum |
| A5-09.1 Yes 2.8 Minimum A5-10.1 Yes 0.0 Below criteria A5-11.1 Yes 2.8 Minimum A5-12.1 Yes 1.3 Below criteria A5-13.1 No 0.0 Below criteria A6-01.1 No 3.5 Medium A6-02.1 Yes 4.3 High A6-03.1 No 2.2 Minimum A6-03.1 No 2.2 Minimum A6-04.1 Yes 2.8 Minimum A6-05.1 No 0.2 Below criteria A6-05.1 Yes 2.8 Minimum A6-06.1 Yes 2.8 Minimum A6-07.1 Yes 2.8 Minimum A6-09.1 Yes 2.8 Minimum A6-10.1 Yes 2.8 Minimum A6-11.1 Yes 2.8 Minimum A7-02.1 Yes 2.8 Minimum A7-02. | A5-07.1 | Yes | 2.8 | Minimum |
| A5-10.1 Yes 0.0 Below criteria A5-11.1 Yes 2.8 Minimum A5-12.1 Yes 1.3 Below criteria A5-13.1 No 0.0 Below criteria A6-01.1 No 3.5 Medium A6-02.1 Yes 4.3 High A6-02.1 Yes 4.3 High A6-03.1 No 2.2 Minimum A6-03.1 No 2.2 Minimum A6-04.1 Yes 2.8 Minimum A6-05.1 No 0.2 Below criteria A6-06.1 Yes 2.8 Minimum A6-07.1 Yes 2.8 Minimum A6-08.1 Yes 2.8 Minimum A6-09.1 Yes 2.8 Minimum A6-10.1 Yes 0.0 Below criteria A6-11.1 Yes 0.0 Below criteria A7-01.1 No 2.3 Minimum | A5-08.1 | Yes | 10.3 | High |
| A5-11.1 Yes 2.8 Minimum A5-12.1 Yes 1.3 Below criteria A5-13.1 No 0.0 Below criteria A6-01.1 No 3.5 Medium A6-02.1 Yes 4.3 High A6-02.1 Yes 2.8 Minimum A6-03.1 No 2.2 Minimum A6-04.1 Yes 2.8 Minimum A6-05.1 No 0.2 Below criteria A6-05.1 Yes 2.8 Minimum A6-06.1 Yes 2.8 Minimum A6-07.1 Yes 2.8 Minimum A6-08.1 Yes 2.8 Minimum A6-10.1 Yes 2.8 Minimum A6-11.1 Yes 2.8 Minimum A6-12.1 Yes 2.8 Minimum A7-03.1 No 2.0 Minimum A7-03.1 No 2.8 Minimum A7-05.1 | A5-09.1 | Yes | 2.8 | Minimum |
| A5-12.1 Yes 1.3 Below criteria A5-13.1 No 0.0 Below criteria A6-01.1 No 3.5 Medium A6-02.1 Yes 4.3 High A6-03.1 No 2.2 Minimum A6-03.1 No 0.2 Below criteria A6-04.1 Yes 2.8 Minimum A6-05.1 No 0.2 Below criteria A6-06.1 Yes 2.8 Minimum A6-07.1 Yes 2.8 Minimum A6-08.1 Yes 2.8 Minimum A6-09.1 Yes 2.8 Minimum A6-10.1 Yes 2.8 Minimum A6-11.1 Yes 2.8 Minimum A7-01.1 No 2.3 Minimum A7-02.1 Yes 2.8 Minimum A7-04.1 Yes 2.8 Minimum A7-05.1 No 2.8 Minimum A7-06.1< | A5-10.1 | Yes | 0.0 | Below criteria |
| A5-13.1 No 0.0 Below criteria A6-01.1 No 3.5 Medium A6-02.1 Yes 4.3 High A6-03.1 No 2.2 Minimum A6-04.1 Yes 2.8 Minimum A6-04.1 Yes 2.8 Minimum A6-05.1 No 0.2 Below criteria A6-06.1 Yes 2.8 Minimum A6-07.1 Yes 2.8 Minimum A6-08.1 Yes 10.3 High A6-09.1 Yes 2.8 Minimum A6-10.1 Yes 0.0 Below criteria A6-11.1 Yes 2.8 Minimum A6-12.1 Yes 0.0 Below criteria A7-01.1 No 2.3 Minimum A7-02.1 Yes 2.8 Minimum A7-03.1 No 2.8 Minimum A7-05.1 No 2.8 Minimum A7-06.1 <td>A5-11.1</td> <td>Yes</td> <td>2.8</td> <td>Minimum</td> | A5-11.1 | Yes | 2.8 | Minimum |
| A6-01.1 No 3.5 Medium A6-02.1 Yes 4.3 High A6-03.1 No 2.2 Minimum A6-04.1 Yes 2.8 Minimum A6-05.1 No 0.2 Below criteria A6-05.1 Yes 2.8 Minimum A6-06.1 Yes 2.8 Minimum A6-07.1 Yes 10.3 High A6-08.1 Yes 2.8 Minimum A6-09.1 Yes 2.8 Minimum A6-10.1 Yes 2.8 Minimum A6-11.1 Yes 2.8 Minimum A6-12.1 Yes 0.0 Below criteria A7-01.1 No 2.3 Minimum A7-02.1 Yes 2.8 Minimum A7-03.1 No 2.0 Minimum A7-05.1 No 2.8 Minimum A7-06.1 Yes 10.3 High A7-07.1 | A5-12.1 | Yes | 1.3 | Below criteria |
| A6-02.1 Yes 4.3 High A6-03.1 No 2.2 Minimum A6-04.1 Yes 2.8 Minimum A6-05.1 No 0.2 Below criteria A6-05.1 Yes 2.8 Minimum A6-06.1 Yes 2.8 Minimum A6-07.1 Yes 2.8 Minimum A6-08.1 Yes 2.8 Minimum A6-09.1 Yes 2.8 Minimum A6-10.1 Yes 2.8 Minimum A6-11.1 Yes 2.8 Minimum A7-01.1 No 2.3 Minimum A7-02.1 Yes 2.8 Minimum A7-03.1 No 2.0 Minimum A7-04.1 Yes 2.8 Minimum A7-05.1 No 2.8 Minimum A7-06.1 Yes 10.3 High A7-07.1 Yes 2.8 Minimum | A5-13.1 | No | 0.0 | Below criteria |
| A6-03.1 No 2.2 Minimum A6-04.1 Yes 2.8 Minimum A6-05.1 No 0.2 Below criteria A6-06.1 Yes 2.8 Minimum A6-07.1 Yes 2.8 Minimum A6-08.1 Yes 10.3 High A6-09.1 Yes 2.8 Minimum A6-10.1 Yes 0.0 Below criteria A6-11.1 Yes 0.0 Below criteria A7-01.1 No 2.3 Minimum A7-01.1 No 2.3 Minimum A7-02.1 Yes 2.8 Minimum A7-03.1 No 2.0 Minimum A7-04.1 Yes 2.8 Minimum A7-05.1 No 2.8 Minimum A7-06.1 Yes 10.3 High A7-07.1 Yes 2.8 Minimum | A6-01.1 | No | 3.5 | Medium |
| A6-04.1 Yes 2.8 Minimum A6-05.1 No 0.2 Below criteria A6-06.1 Yes 2.8 Minimum A6-07.1 Yes 2.8 Minimum A6-08.1 Yes 10.3 High A6-08.1 Yes 2.8 Minimum A6-09.1 Yes 2.8 Minimum A6-10.1 Yes 2.8 Minimum A6-11.1 Yes 2.8 Minimum A7-01.1 No 2.3 Minimum A7-02.1 Yes 2.8 Minimum A7-03.1 No 2.0 Minimum A7-04.1 Yes 2.8 Minimum A7-05.1 No 2.8 Minimum A7-06.1 Yes 10.3 High A7-07.1 Yes 2.8 Minimum | A6-02.1 | Yes | 4.3 | High |
| A6-05.1 No 0.2 Below criteria A6-06.1 Yes 2.8 Minimum A6-07.1 Yes 2.8 Minimum A6-08.1 Yes 10.3 High A6-09.1 Yes 2.8 Minimum A6-10.1 Yes 0.0 Below criteria A6-11.1 Yes 2.8 Minimum A6-12.1 Yes 0.0 Below criteria A7-01.1 No 2.3 Minimum A7-02.1 Yes 2.8 Minimum A7-03.1 No 2.0 Minimum A7-04.1 Yes 2.8 Minimum A7-05.1 No 2.8 Minimum A7-06.1 Yes 10.3 High A7-07.1 Yes 2.8 Minimum | A6-03.1 | No | 2.2 | Minimum |
| A6-06.1 Yes 2.8 Minimum A6-07.1 Yes 2.8 Minimum A6-08.1 Yes 10.3 High A6-09.1 Yes 2.8 Minimum A6-10.1 Yes 0.0 Below criteria A6-11.1 Yes 0.0 Below criteria A7-01.1 No 2.3 Minimum A7-02.1 Yes 2.8 Minimum A7-03.1 No 2.0 Minimum A7-04.1 Yes 2.8 Minimum A7-05.1 No 2.8 Minimum A7-06.1 Yes 10.3 High A7-07.1 Yes 2.8 Minimum | A6-04.1 | Yes | 2.8 | Minimum |
| A6-07.1 Yes 2.8 Minimum A6-08.1 Yes 10.3 High A6-09.1 Yes 2.8 Minimum A6-10.1 Yes 0.0 Below criteria A6-11.1 Yes 2.8 Minimum A6-12.1 Yes 0.0 Below criteria A7-01.1 No 2.3 Minimum A7-02.1 Yes 2.8 Minimum A7-03.1 No 2.0 Minimum A7-04.1 Yes 2.8 Minimum A7-05.1 No 2.8 Minimum A7-06.1 Yes 10.3 High A7-07.1 Yes 2.8 Minimum | A6-05.1 | No | 0.2 | Below criteria |
| A6-08.1 Yes 10.3 High A6-09.1 Yes 2.8 Minimum A6-10.1 Yes 0.0 Below criteria A6-11.1 Yes 2.8 Minimum A6-12.1 Yes 0.0 Below criteria A7-01.1 No 2.3 Minimum A7-02.1 Yes 2.8 Minimum A7-03.1 No 2.0 Minimum A7-04.1 Yes 2.8 Minimum A7-05.1 No 2.8 Minimum A7-06.1 Yes 10.3 High A7-07.1 Yes 2.8 Minimum | A6-06.1 | Yes | 2.8 | Minimum |
| A6-09.1 Yes 2.8 Minimum A6-10.1 Yes 0.0 Below criteria A6-11.1 Yes 2.8 Minimum A6-12.1 Yes 0.0 Below criteria A7-01.1 No 2.3 Minimum A7-02.1 Yes 2.8 Minimum A7-03.1 No 2.0 Minimum A7-04.1 Yes 2.8 Minimum A7-05.1 No 2.8 Minimum A7-06.1 Yes 10.3 High A7-07.1 Yes 2.8 Minimum | A6-07.1 | Yes | 2.8 | Minimum |
| A6-10.1 Yes 0.0 Below criteria A6-11.1 Yes 2.8 Minimum A6-12.1 Yes 0.0 Below criteria A7-01.1 No 2.3 Minimum A7-02.1 Yes 2.8 Minimum A7-03.1 No 2.0 Minimum A7-04.1 Yes 2.8 Minimum A7-05.1 No 2.8 Minimum A7-06.1 Yes 10.3 High A7-07.1 Yes 2.8 Minimum | A6-08.1 | Yes | 10.3 | High |
| A6-11.1 Yes 2.8 Minimum A6-12.1 Yes 0.0 Below criteria A7-01.1 No 2.3 Minimum A7-02.1 Yes 2.8 Minimum A7-03.1 No 2.0 Minimum A7-04.1 Yes 2.8 Minimum A7-05.1 No 2.8 Minimum A7-06.1 Yes 10.3 High A7-07.1 Yes 2.8 Minimum | A6-09.1 | Yes | 2.8 | Minimum |
| A6-12.1 Yes 0.0 Below criteria A7-01.1 No 2.3 Minimum A7-02.1 Yes 2.8 Minimum A7-03.1 No 2.0 Minimum A7-04.1 Yes 2.8 Minimum A7-05.1 No 2.8 Minimum A7-06.1 Yes 10.3 High A7-07.1 Yes 2.8 Minimum | A6-10.1 | Yes | 0.0 | Below criteria |
| A7-01.1 No 2.3 Minimum A7-02.1 Yes 2.8 Minimum A7-03.1 No 2.0 Minimum A7-04.1 Yes 2.8 Minimum A7-05.1 No 2.8 Minimum A7-06.1 Yes 10.3 High A7-07.1 Yes 2.8 Minimum | A6-11.1 | Yes | 2.8 | Minimum |
| A7-02.1 Yes 2.8 Minimum A7-03.1 No 2.0 Minimum A7-04.1 Yes 2.8 Minimum A7-05.1 No 2.8 Minimum A7-06.1 Yes 10.3 High A7-07.1 Yes 2.8 Minimum | A6-12.1 | Yes | 0.0 | Below criteria |
| A7-03.1 No 2.0 Minimum A7-04.1 Yes 2.8 Minimum A7-05.1 No 2.8 Minimum A7-06.1 Yes 10.3 High A7-07.1 Yes 2.8 Minimum | A7-01.1 | No | 2.3 | Minimum |
| A7-04.1 Yes 2.8 Minimum A7-05.1 No 2.8 Minimum A7-06.1 Yes 10.3 High A7-07.1 Yes 2.8 Minimum | A7-02.1 | Yes | 2.8 | Minimum |
| A7-05.1 No 2.8 Minimum A7-06.1 Yes 10.3 High A7-07.1 Yes 2.8 Minimum | A7-03.1 | No | 2.0 | Minimum |
| A7-06.1 Yes 10.3 High A7-07.1 Yes 2.8 Minimum | A7-04.1 | Yes | 2.8 | Minimum |
| A7-07.1 Yes 2.8 Minimum | A7-05.1 | No | 2.8 | Minimum |
| | A7-06.1 | Yes | 10.3 | High |
| A7-08.1 Yes 0.0 Below criteria | A7-07.1 | Yes | 2.8 | Minimum |
| | A7-08.1 | Yes | 0.0 | Below criteria |

| Sunlight | Hours | | |
|----------|--------------------------------|----------------------------------|----------------|
| Unit ID | LKD window within 90° South | No. sunlight hours on 21st March | Compliance |
| A7-09.1 | Yes | 2.8 | Minimum |
| A8-01.1 | No | 2.3 | Minimum |
| A8-02.1 | Yes | 4.1 | High |
| A8-03.1 | No | 4.5 | High |
| A8-04.1 | Yes | 2.8 | Minimum |
| A8-05.1 | Yes | 2.8 | Minimum |
| A8-06.1 | Yes | 10.3 | High |
| A8-07.1 | Yes | 2.9 | Minimum |
| A8-08.1 | Yes | 1.3 | Below criteria |
| A9-01.1 | No | 2.3 | Minimum |
| A9-02.1 | No | 4.7 | High |
| A9-03.1 | Yes | 4.1 | High |
| A9-04.1 | Yes | 4.1 | High |
| A9-05.1 | Yes | 10.3 | High |
| A10-01.1 | No | 2.9 | Minimum |
| A10-02.1 | No | 4.7 | High |
| A10-03.1 | Yes | 1.8 | Minimum |
| A11-01.1 | Yes | 1.5 | Minimum |

Table 16: Sunlight hours to living spaces