







Optima is an international leader in glass partitioning systems and solutions

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We have manufacturing facilities in the UK and Malaysia and over 30 years' experience in the glass partitioning industry.

We pride ourselves on offering exceptional service and beautifully designed glass partitions and doors which exude quality in every region we operate in. We are wholly dedicated to helping our clients create effective and innovative workspaces in some of the world's most iconic buildings.



## What is the AMR?

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Building design has evolved, and spaces are much more flexible. We're using our workplaces in more creative ways, with employee well-being at the heart. Our solutions offer smart and adaptable ways to maximise the potential of your space. Constantly innovating, our experienced team of product designers have developed a range of dynamic meeting spaces and places.

The Optima Adaptable Meeting Room (AMR) offers infinite possibilities. Our freestanding meeting rooms can fit anywhere within your design and can be put up, taken down or moved quickly and efficiently. Need more than one? Our unique "twist and lock" functionality enables you to fit the rooms together to make a range of neighbourhoods for different uses. Wall to wall or corner to corner, your designs can be limitless.

Need some customisation to fit in with your design? Take a look through our brochure to see the options available.

Promote collaborating, socialising or private working; the Optima AMR can accommodate a range of contemporary working methods.





Optima | 4 CONCENTRATE REFRESH  
PLUG & PLAY NEIGHBOURHOODS SOCIALISE  
ESCAPE MEET  
CALL  
FOCUS  
DESIGN  
ENERGISE  
INNOVATE  
INNOVATE

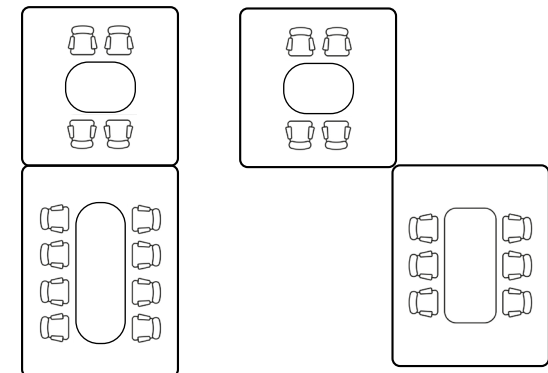
COLLABORATE  
FOCUS



## Work time

A hive of activity in a private space, or quiet time alone. Our organisations are constantly evolving and so, our environments need to offer us new ways of working.

There are many reasons during our working day when we need a separate area. Whether it's brainstorming innovations or quietly calculating, the AMR is a welcoming space with the acoustic privacy you need.







## Smart technology

Using smart technology, the AMR is a connected space enabling users to precisely control the working environment. This includes booking panels, lighting, temperature and air-quality control, as well as unified communications via screens installed in the AMR, or using devices such as smartphones, tablets, laptops – or anything new that the future brings. A secure environment that's easy to use.

- Present using wireless technology
- Call with high quality speakerphone
- Video conference
- Collaborate via the web (Teams/Zoom/ Generic)
- Manage (energy control and room-usage data)
- Schedule (room booking)

COLLABORATE

FOCUS

DESIGN  
INNOVATE

BRAINSTORM

ENERGISE

SOCIALISE

DISCUSS

ESCAPE  
MEET





## Informal time

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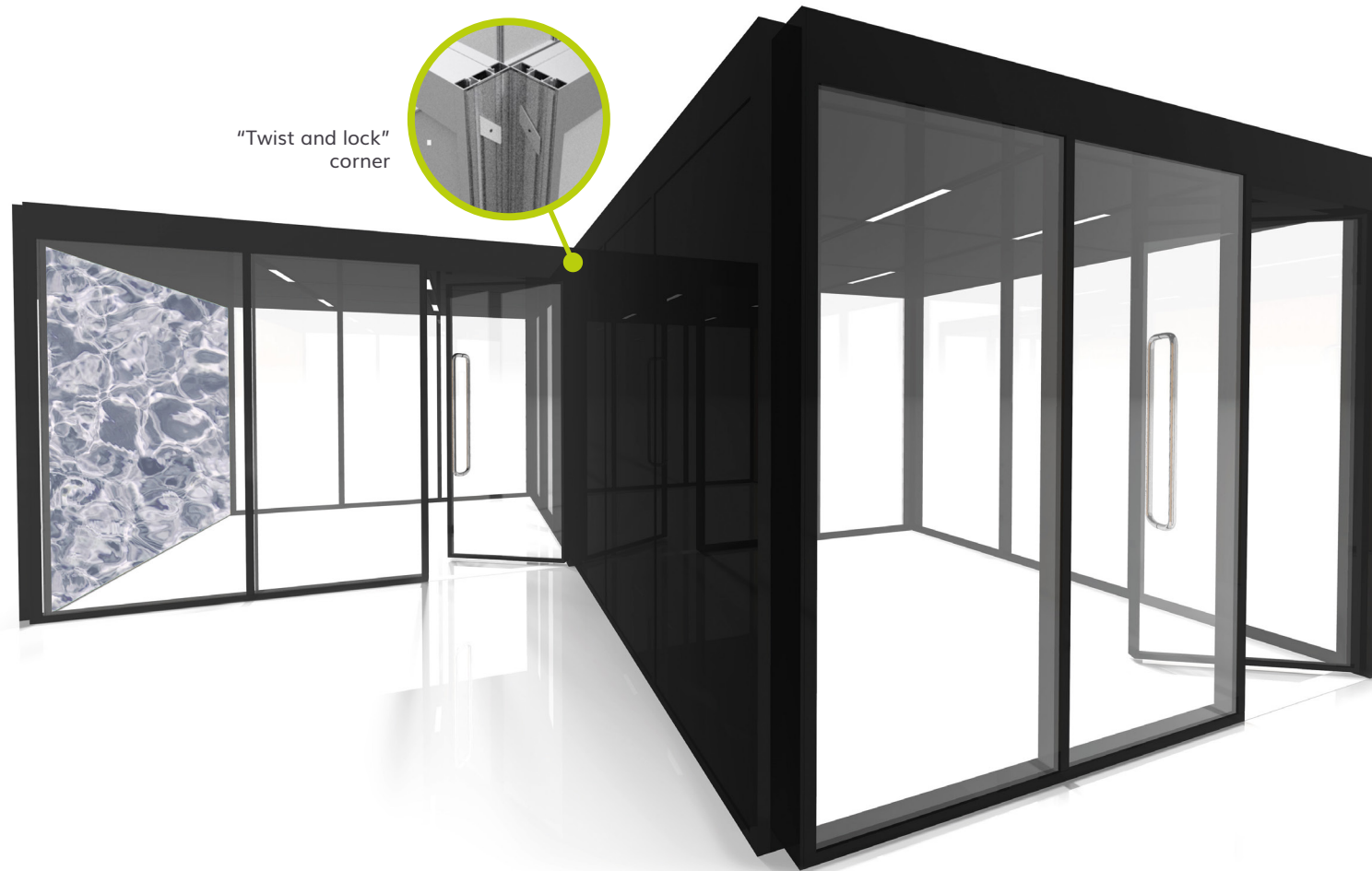
With employee well-being a top priority, the AMR is the ideal addition to any office environment. Acoustic performance, visual privacy and smart technology make this solution the perfect escape.

Chill out with time away from the open plan, promote social interactions and foster productivity. Whether it's making space in your busy day for coffee with a colleague or creating a peaceful reading area to catch up on news you've missed, the high acoustic properties of the AMR allow you to shut the outside world away.

The AMR's smart technology has the ability to detect occupancy levels and can adjust comfort settings accordingly. No need to worry about lighting, heating or technology compatibility, the AMR is designed with your needs in mind.

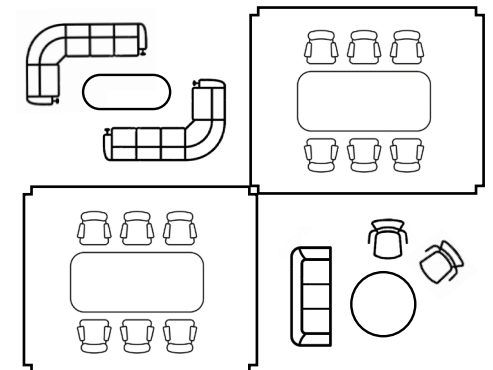


## Evolving needs



As your business grows, your space can evolve. Create an interesting and imaginative collection of adaptable meeting rooms with our "twist and lock" functionality which connects the corners together or joins them side by side. Not only can you use each one uniquely but the spaces in-between form inspirational areas too. The Optima AMR is demountable so it can be taken down, moved or changed to suit new ways of working.

The modules which form the structures have been standardised and can therefore, be re-used to form new AMR's or neighbourhoods.







## Lighting

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The Running Magnet is the solution for a total fusion with architecture, achieved thanks to the integration of luminaires that can disappear inside the surfaces. Its magnetic installation offers an easy way to position the light in place.

Regulation and controls are fully integrated into the smart technology which can be operated via an app on your phone.

An LED lighting scheme has been designed to maintain indirect illumination of 300-500 lux and is dimmable to 1% using smart controls. PIR is standard and the consumer box can be pre-wired adhering to the relevant certification. Occupancy controls are available via the smart controls. Emergency lighting is optional.



# Lighting compliant with WELL Standard V2

The standard lighting in the AMR complies with the following concepts of the WELL standard V2.

## LO1 Light Exposure

Provide indoor light exposure through daylight and electric light strategies. Glazed partitions allow light penetration deeper into floors.

### Option 3: Building design

(b) The floor plate is no more than 65 ft between opposite walls that each have transparent envelope glazing, and there are no opaque obstructions higher than 3.2 ft within a 20 ft horizontal distance of the transparent envelope glazing.

## LO2 Visual Lighting Design

EN 12464-1: 2011

Minimum brightness level required	500 lx
AMR provides	551 lx – as the AMR lighting is easily adaptable not only can we achieve 551 lux we can deliver more light should the AMR need to be used for VC applications.

## LO4 Electric Light Glare Control

Manage glare from electric lighting (2 points)

The following requirement is met in all regularly occupied spaces:

Unified Glare Rating WELL	UGR < 16
Unified Glare Rating AMR	UGR < 10

## L08 Electric Light Quality

This WELL feature requires projects to take into account characteristics of electric light used in the space, such as colour rendering and flicker.

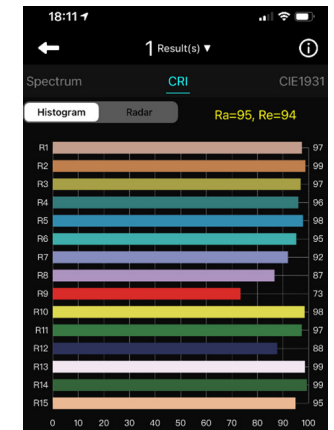
## Colour Rendering

Enhance Colour Rendering Quality (1 point) Requires	CRI ≥ 80 with R9 ≥ 50
AMR Provides	CRI = 95 with R9 = 73

## Flicker

The AMR provides an enhanced flicker rate suitable for the highest level of video conferencing.

Manage Flicker (2 points) Requires	2000Hz
AMR Provides	2350Hz



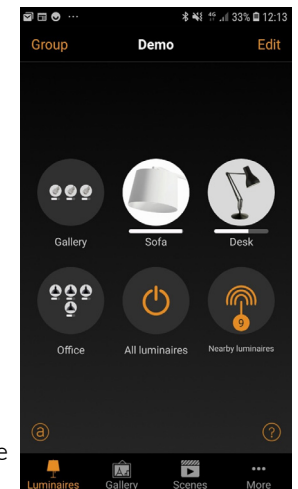
## LO9 Occupant Lighting Control

This WELL feature requires projects to implement innovative lighting strategies that take into account personal preferences of users, as well as their interaction with the physical space.

## AMR Lighting Control

Individual control to each luminaire is achieved using -

1. Wired DALI protocol by connecting the control data bus directly to the profile, and giving individual control of each luminaire.
2. Wireless Control using Casambi Bluetooth system - Each luminaire can be individually controlled by the occupants using the Casambi app downloaded onto any mobile device. Each luminaire is dimmable to 1%.
3. The Prolojik Go Bluetooth system - available as an upgrade and will communicate directly with the Dali protocol.



## Solid wall options



### Industrial finish

If you're looking for a raw, unfinished, industrial style interior then we have various materials which will achieve this look. Utilitarian resources can be showcased to give a cultivated aesthetic. Natural components can form various parts of the interior.



### Laminate panels (MFC)

Our range of laminate walls are available in various colours and wood effects. The acoustic qualities of the laminate wall will enhance your AMR and offer a suitably stable surface for mounting media screens and other equipment.



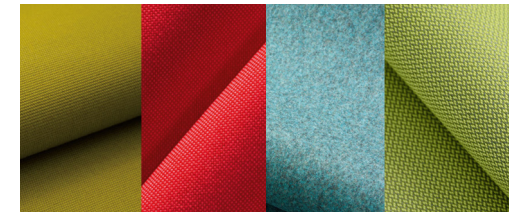
### Eco panel

Eco panel is the original decorative interior panelling solution, with acoustic qualities and eco-innovation at its core. Eco panel reduces and controls reverberated noise in shared environments. It has a fabric-like finish, designed with dematerialisation in mind. There is no need to upholster, paint or protect it. Pioneering the war against single-use plastic, eco panel production uses post-consumer recycled PET bottles to create a superior upcycled product with a vast array of interior applications. Eco panel offers the largest colour palette on the market with a range of plain or patterned finishes.



### Magnetic writable glass

Turn your wall into an inspirational canvas. The pioneering magnetic technology of Clarus redefines walls into functional dry-erase and "tack" friendly collaborative surfaces.



### Pinnable fabric

Textiles play a fundamental role in how we perceive a space. Much more than just practicalities, they create atmosphere and complete the experience when we interact with the environment. The textiles used in these fabric panels come in a range of designs and colours as well as respecting environmental production methods.

\*See more FSC® information on page 14



# Aesthetic details



## Finishes

We have a wide selection of finishes that can be applied to any of the AMR frames. Individual powder-coated colours and textures introduce another dimension of individuality.

## Joints

There are two options for the joints in the glass walls of the AMR. A mullion joint or a concealed glass to glass Nebula® joint is available depending on the aesthetics in your design.



## Doors

The hugely popular Edge Symmetry door is a framed single or double glazed glass door which offers excellent acoustic performance. Chosen for the AMR because of its high level of acoustic privacy, Edge Symmetry can achieve a maximum rating of Rw41dB in its double glazed form.

## Security

An optional sash lock and euro cylinder can be added to the door. Access control features can be subtly added into the framework to allow the electronic locking and unlocking of the door.



## Manifestation

The glass sides of the AMR can be customised with applied film to suit your design. Whether it's just compliant manifestation or something more to suit your brand, the aesthetic of the AMR is adaptable.



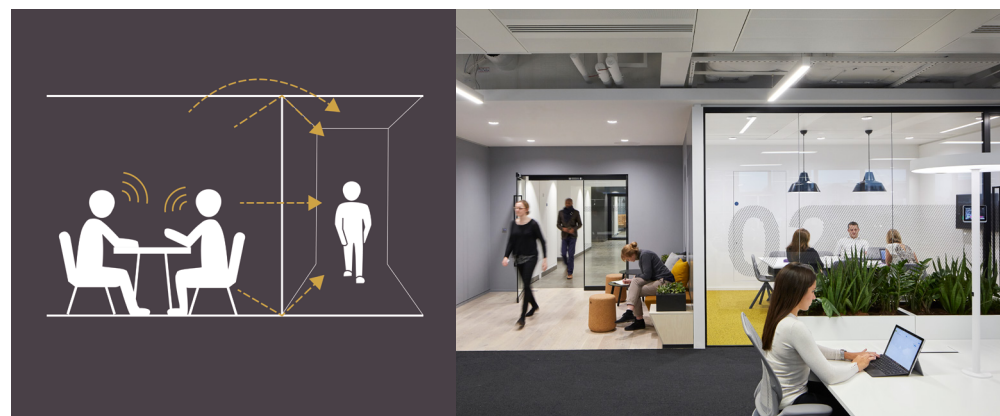
## Acoustic information

Comfortable acoustics can make a working environment more effective and play an important role in employee well-being and efficiency. Our expertise in the effective design and installation of acoustic glazed partitioning has proved key to many successful projects and is freely available as part of our service. You might want to use the AMR to keep the background noise of a busy office out. Alternatively, you might need a private space where you can meet confidentially.

A choice of single and double glazed versions of the AMR are available with variations including a mixture of solid and glazed walls. Acoustics vary depending on the choice of material chosen for each wall. We've tested some of the combinations as a guide to the values which can be achieved.

### AMR double glazed

Wall types / values				Threshold Plate	Overall Dnt,w Rating*
Wall A	Wall B	Wall C	Wall D		
12.8mm DG with DG door	12.8mm DG	Oak MFC	Oak MFC	✗	38
37 Dnt,w	41 Dnt,w	39 Dnt,w	39 Dnt,w*		
12.8mm DG with DG door	12.8mm DG	Oak MFC	Oak MFC	✓	41
41 Dnt,w	43 Dnt,w	42 Dnt,w	41 Dnt,w*		
12.8mm DG with DG door	12.8mm DG	12.8mm DG	Oak MFC (with Insulation)	✓	41
41 Dnt,w	43 Dnt,w	42 Dnt,w	41 Dnt,w*		



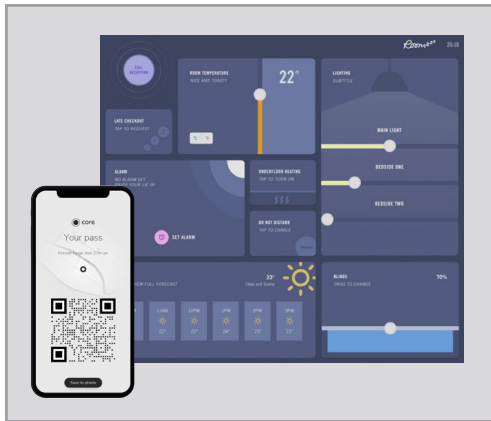
### AMR single glazed

Wall types / values				Threshold Plate	Overall Dnt,w Rating*
Wall A	Wall B	Wall C	Wall D		
10.8mm SG with SG door	10.8mm SG	Eco Panel	Oak MFC	✗	35
34 Dnt,w	38 Dnt,w	37 Dnt,w	39 Dnt,w*		
10.8mm SG with SG door	10.8mm SG	Oak MFC	Oak MFC	✓	38
38 Dnt,w	39 Dnt,w	39 Dnt,w	39 Dnt,w*		
10.8mm SG with SG door	10.8mm SG	10.8mm SG	Oak MFC (with Insulation)	✓	37
37 Dnt,w	38 Dnt,w	37 Dnt,w	37 Dnt,w*		

Notes: Glass tested on: double glazed option - 12.8mm acoustic laminate, single glazed option - 10.8mm acoustic laminate. Sound Insulation to BS EN ISO 10140 - 2 and ISO 717-1.  
Key: DG - double glazed, SG - single glazed, MFC - melamine faced chipboard, Dnt,w - acoustic performance of a particular structure, \*estimated value



# Integrated services



## Smart technology

Our smart technology will be operated by mobile or tablet. Turning on the lights, controlling the temperature and even booking a room will all be possible depending on the level of integration to your Building Management System.

## Plug and play

The Optima AMR is a freestanding product which can be positioned anywhere within your floor plan and seamlessly linked to your building services. A range of options are available from smart solutions to pre-constructed housings for power and data cables.

## Life safety

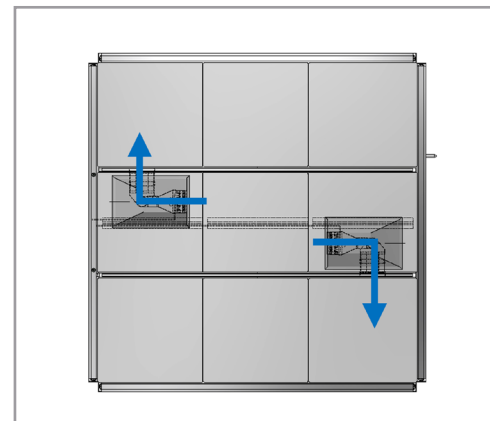
Fire detection systems and PAVA can all be easily incorporated into the AMR.



## Mains power connection

The mains power connections will be managed by a services panel which will include power, data, USB and HDMI options.

AV panels can accommodate a range of systems, yet to be defined, to include pre-wired and tested power and data connections.



## Ventilation (Patent Pending)

The dual fan unit allows air to flow continuously at a minimum rate of 32 litres per second. This ensures CO<sub>2</sub> in the AMR remains at a safe and optimal level.



# Environment

**Sustainability** | The AMR is designed with Sustainability in mind. The concept of the AMR is fully compatible with that of reuse and adaptable versatility. Not only can the AMR be moved around to facilitate changing internal space layout requirements, but the standardised and modular nature allows for easy replacement of component parts without damage and the ability to extend and enlarge as required. In this way the full lifetime environmental impact of cellular glass spaces is reduced, while providing an asset with a long-term lifespan. The AMR is compatible with Sustainability Assessment schemes such as BREEAM, SKA, LEED and WELL, focussing on environmental impact, material responsible sourcing and waste reduction. The key materials of glass and aluminium are inherently non-VOC emitting including any powder-coat paint finish. The AMR is based on Optima products with Environmental Product Declarations demonstrating lifespan impacts from cradle-to-factory gate. At product end-of-life, all major components can be reused or recycled in line with Circular Economy principles, helping to minimise the embodied carbon of the product.



Optima Products

We believe in the responsible sourcing of materials. In line with our company policy, all timber used in our products is sourced solely from FSC® (Forest Stewardship Council) certified suppliers with full Chain of Custody. Our manufacturing facility is also FSC® certified ensuring every product installation can be traced back to responsibly managed forests.



## ISO 14001: 2015

With environmental management being a key focus of ours, we strive to continually improve our processes and have a positive impact on the world around us.



## ISO 45001: 2018

Through our work on this standard we proactively provide a framework to increase safety, reduce workplace risks and enhance health and well-being at work.



## ISO 9001: 2015

Our offices and manufacturing sites operate a third-party approved ISO 9001 Quality Management System (QMS). We have undergone a process of identifying our key quality areas; setting objectives and developing actions to continually address and improve the quality of our product.

More information on how to achieve any of these standard available on request



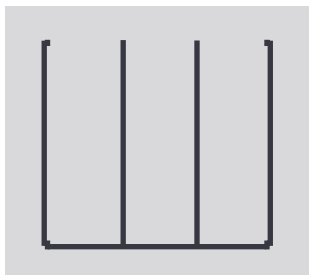
## Installation

All components of the AMR will be standardised. We will hold fundamental configuration components in stock, making them available "off the shelf". Stock levels would be agreed to reduce any lead times, dependent on requirements. Standard lead time is 6-8 weeks.

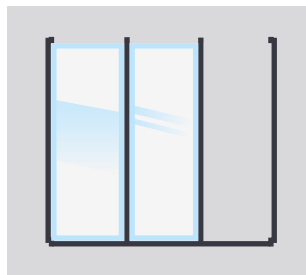
Putting up, taking down and moving the AMR is easy if you know how. Our dedicated team of Project Managers and Site Managers understand how to consistently deliver exceptional customer service and the highest quality installations, on-time and within budget. Installation could be undertaken by 2-3 specially trained operatives who are appointed locally. We will provide training and documentation. No specialist equipment would be required.

Our patented clamping system aids the speed of assembly and relocation with the modularisation of the design key to this.

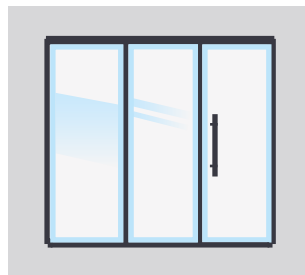
As the AMR does not have a floor and is freestanding, it is compatible with an under-floor displacement system. This also makes the AMR accessible to meet multiple needs.



Step 1: the framework is constructed



Step 2: glass or solid panels are inserted



Step 3: the ceiling and door are added to complete the structure

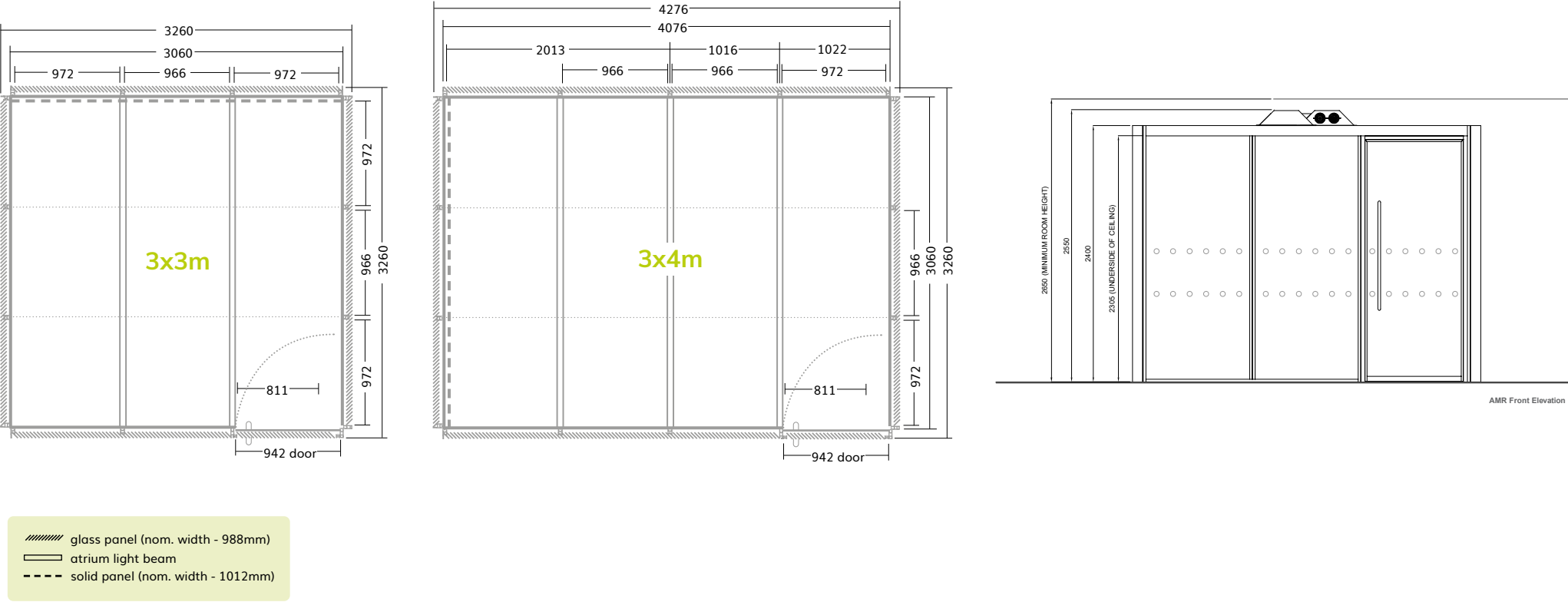
## Warranty, durability, maintenance

Optima Products Ltd warrants its products for a period of 10 years from date of supply for the durability of materials, surface properties and functionality.

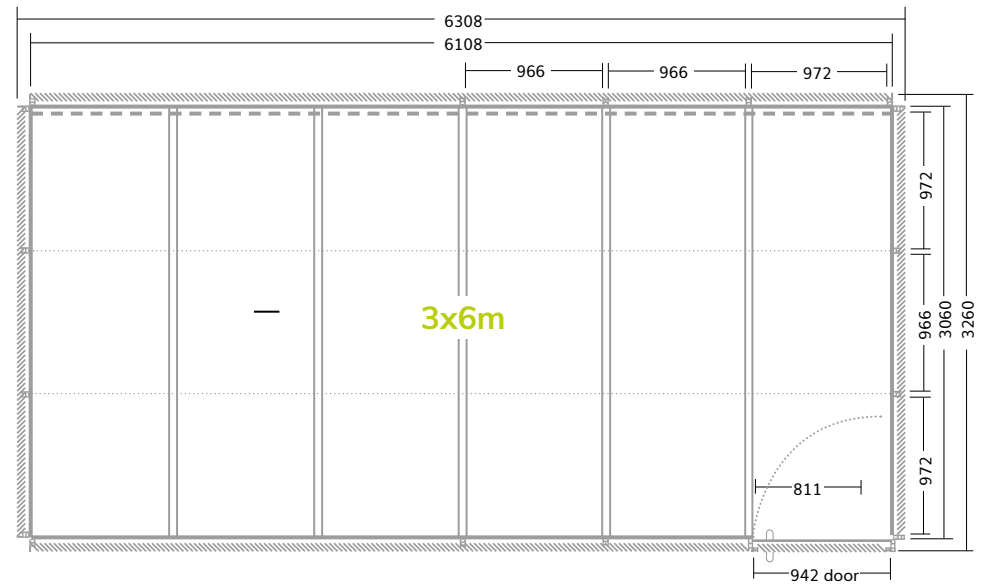
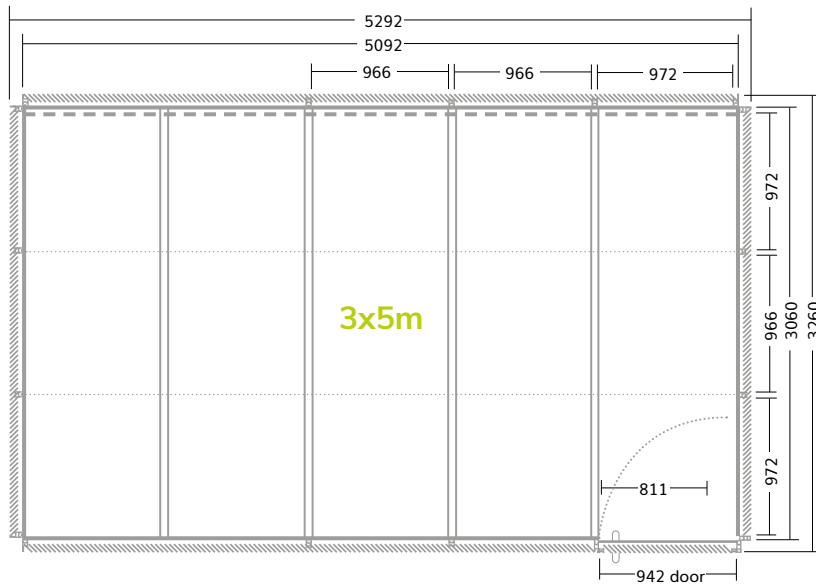
Solid partition elements have a potential useful life in excess of 25 years provided they are not subjected to undue impact, abrasion, distortion or load, and are regularly cleaned in accordance with our approved methodology.

Glazed or solid door sets and Tech Panel elements have a potential useful life span in excess of 15 years provided they are not subjected to undue impact, abrasion, distortion or load, and are regularly cleaned and serviced in accordance with our approved methodology.

# Sizing















# Optima

 01494 492600  
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High Wycombe, Buckinghamshire, HP11 2QB