TECHNICAL DATA Residence Max

Product Overview

Residence Max comes with a glazed door, allowing light to continue to shine through and a birch plywood finish, providing a raw, natural aesthetic. Available with either a height-adjustable or fixed desk in a seated or standing working position, adjustable ventilation and builtin power, it is designed to be comfortable for longer working hours. The product boasts extremely high acoustic quality and has a highly adaptable design with a huge range of finish options. Residence Max comes in two versions, Wellness and Wellness Plus, both of which are designed to be very sustainable, containing low emitting materials and designed to provide a high quality user experience.

Dimensions



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Internal Height	2120mm	
Internal Width	930mm	
Internal Depth	930mm	
Door Positioning	Side Opening	
Desk: Max Load	15 kg	
Desk: Min Height	609mm	
Desk: Max Height	1168mm	
Monitor Min Height above Desk	152mm	
Monitor Max Height above Desk	304mm	
Monitor Max Weight	11 kg	

Environmental Summary

During the development journey we always kept our environmental impact in mind. This is demonstrated in the following key features of the design when the pod is purchased with the recommended finishes:

- All materials used are LBC 3.1 Red List Compliant, an extremely stringent standard
- Patented PVC-free acoustic door seal
- Product lifecycle the products are designed to be modular and reconfigurable to cater for future needs without wastage and using more resources.
- Power usage the products are designed with minimum idle power usage, with a PIR movement sensor to switch off the lighting after a period of non-use.
- FSC® Certified (FSC-C081796) Lumber.

Environmental Document & Declare Label



Materials

Comprising of two or more panes of glass which are bonded together using a specially designed high performance clear PVB interlayer. Various performances can be achieved by combing different types of glass thickness and number of interlayers. Key features include:

- Break safe characteristics
- Resists attack
- UV Protection
- Improved acoustic performance
- Manufactured in accordance with EN 14449
- Minimised UV-transmission
- Sound Control

Resistance to Fire	NPD	
Reaction to Fire	NPD	
External Fire Performance	NPD	
Bullet Resistance	NPD	
Explosion Resistance	NPD	
Category of Resistance (EN 356)	P2A	
Pendulum Body Impact Resistance	1(B)1	
Resistance Against Sudden Temperature Changes & Temperature Differentials	40К	
Wind, Snow, Permanent & Imposed Load Resistance	10mm	
Direct Airborne Sound Insulation	37 (0;-3) dB	
Thermal properties		
Thermal Transmittance (U-value)	5.6 W/(m2,K)	
Radiation properties		
Light Transmittance	0.89	
Light Reflection	0.08	
Solar Energy Transmission	0.72	
Solar Energy Reflection	0.07	

NPD = No Performance Determined

Electrics

Ventilation 8 fans per pod

User-adjustable ventilation Fan Speed: 400 - 1,500rpm (variable speed via control knob on the desk) Airflow: 25CFM - 140CFM Static Pressure: 0.25mmH²O – 3.0mmH²O

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Spacestor.

Lighting

Diffuse lighting behind monitor with dimmer for user adjustment for best lighting level. LED Tape:

LED Tape.		
Length	850mm	
Voltage	24V	
Watts p/M	21W p/M	
No. of LEDs p/M	120 LEDs	
Colour	Neutral White	
Colour Temperature	4000К	
IP Rating	IP20	
Lumens p/M	2460LM	
Lumens p/W	117LM	
LED Chip Type	2835 SAN AN	
LED Chip Size	2.8mm x 3.5mm	
Beam Angle	1200	
CRI	>80	
PCB Width	10mm	
PCB Thickness	1.2mm	
Cut Points	Every 5cm	
Operating Temp	- 40°C to + 40°C	
Average Lifespan	Up to 25000 Hours	
Certification	CE-EMC CE-LVD RoHs	
Guarantee	3 Years	

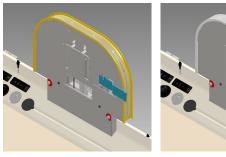


Semi-Clear Diffuser:

Alters the Kelvin Temperature of the LED Tape by approximately 10% - CCT will appear cooler



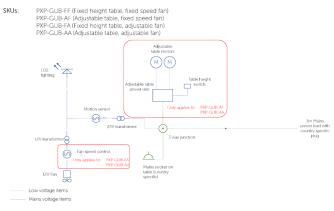
Location of Parts in Assembly:



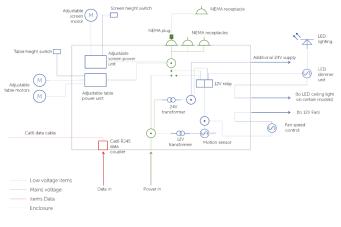
24V LED Tape

Semi-Clear Diffuser

Power / Electrical Schematic



Deluxe VC Height Adjustable Table Schematic

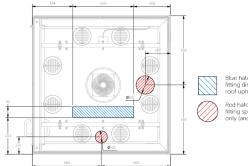


Safety

Sprinklers

To address the need for any required fire sprinkler regulations, Spacestor Max is designed to accept a sprinkler head drop from the building fire sprinkler system via a cut out, managed per project with the Project Manager. A flexible fire sprinkler drop is recommended.

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Blue hatching denotes sprinkler area if fitting directly through roof clad and roof upholstery

Red hatching denotes sprinkler area if fitting sprinkler through roof upholstery only (and retro-fitting roof clad)

Fire Ratings

If a fire alarm is required, a cut-out for the standard specification of a 4"/100mm square extra deep junction box can be provided or a different size cut-out for other specifications.

Weight Limits

No weight should be placed on Residence Max when installed and fixing of parts outside the Residence Max range to the product, e.g., screens, is a non-intended use of the product. In the event of nonintended use, Spacestor shall assume no liability for any damage caused and the guarantee for correct functional operation of the components shall no longer apply.

Lifting

Product must be handled by 2 operatives.

Structural

- Spacestor provides vetted anchorage details for various floor types; raised access floor, carpet and concrete floors. Please speak to a Spacestor representative to find the appropriate detail for your floor type and coordinate with floor manufacturer for installation.
- Installation using a through bolt or a top-down bolt depends upon the RAF specification selected by the project team.

Adjustable levellers on the product have up to 3/4 "/20mm tolerance. Safety

- All maintenance and repair tasks must be performed by appropriately qualified and authorised technicians.
- Only use tools that are appropriate for these tasks.
- For longer periods of absence or if there is a thunderstorm, unplug the power supply cable from the power outlet to avoid damage due to grid-related over-voltage.

Function Check:

- The components of Residence Connect should be checked for proper function at regular intervals. Particular attention should be devoted to the electrical connections (if electrical accessories purchased):
- The electrical equipment for the desk should be checked regularly. Loose connections and damaged cables should be replaced immediately.
- Only remove or establish plug connections when the pod is de-energised.

The pod plug must be easily accessible at all times.

Seismic

- The pod is seismically engineered with floor fixing positions built into the base frame, making it suitable for installation on a raised-access floor, as well as carpet and concrete floors. It also has adjustable levellers with up to 3/4"/20mm tolerance.
- Design teams should check with local jurisdictions for seismic requirements.

UL Listing

- Residence Max is UL 962 Listed in the United States & Canada Please note the UL listing is directly tied to the graded-in textiles from LUUM and Camira.
- The following textiles are required along with the specific designations:

Luum Heather Tech - Crag Tech 4059-07 (side and back wall panel)

Luum Digi Tweed - Topaz Tweed 4058-02 (desk LH panel, desk RH panel and screen wall panel)

Luum Healther Tech - Topaz Tech 4059-02 (ceiling panel)



Acoustics

Rating

The acoustic performance was optimised during the design process to achieve Speech intelligibility privacy by using high acoustic performance materials and a patented acoustic seal technique.

The Residence Connect product was tested in a Laboratory for acoustic performance. The results are as follows:

- Measurements were made in accordance with ISO 23351-1 with the single figure Speech Level Reduction (DS,A) and Class determined for each unit.
- Measurements were also made in accordance with ASTM E596 with subsequent calculations in accordance with ASTM E413 in order to determine the single figure Noise Isolation Class (NIC) for each unit.

Unit	ISO 23351-1		ASTM E596
Unit	DS,A	Grade	NIC
Residence Max	24.6	С	28

'Acoustic performance' of a pod is the noise reduction level (sound from inside to outside/outside to inside). Noise reduction level is affected by external factors - e.g. the environment, external noise level, how close the pod is to a wall etc.

Decibel reduction rating in excess of 35dB achieved through high performance acoustic materials and acoustic seal technique, dependant on site conditions ϑ configuration.

For example, in an exhibition hall you would have a very high level of sound reduction whereas in a quiet office it would be much lower rating.

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The FIS are working with various parties to try and establish a methodology for testing ϑ qualifying acoustic performance in a like for like way.

The materials used in the products have noise absorbing properties ranging from 30 to 60+ db rating but this is not representative of the product as a whole.

We have designed our products in such a way to block sound transfer but there are other factors such as the building sub-floor etc that affect the noise reduction level.

Shipping

Shipping dims/weight/packaging are dependant per project - please enquire.