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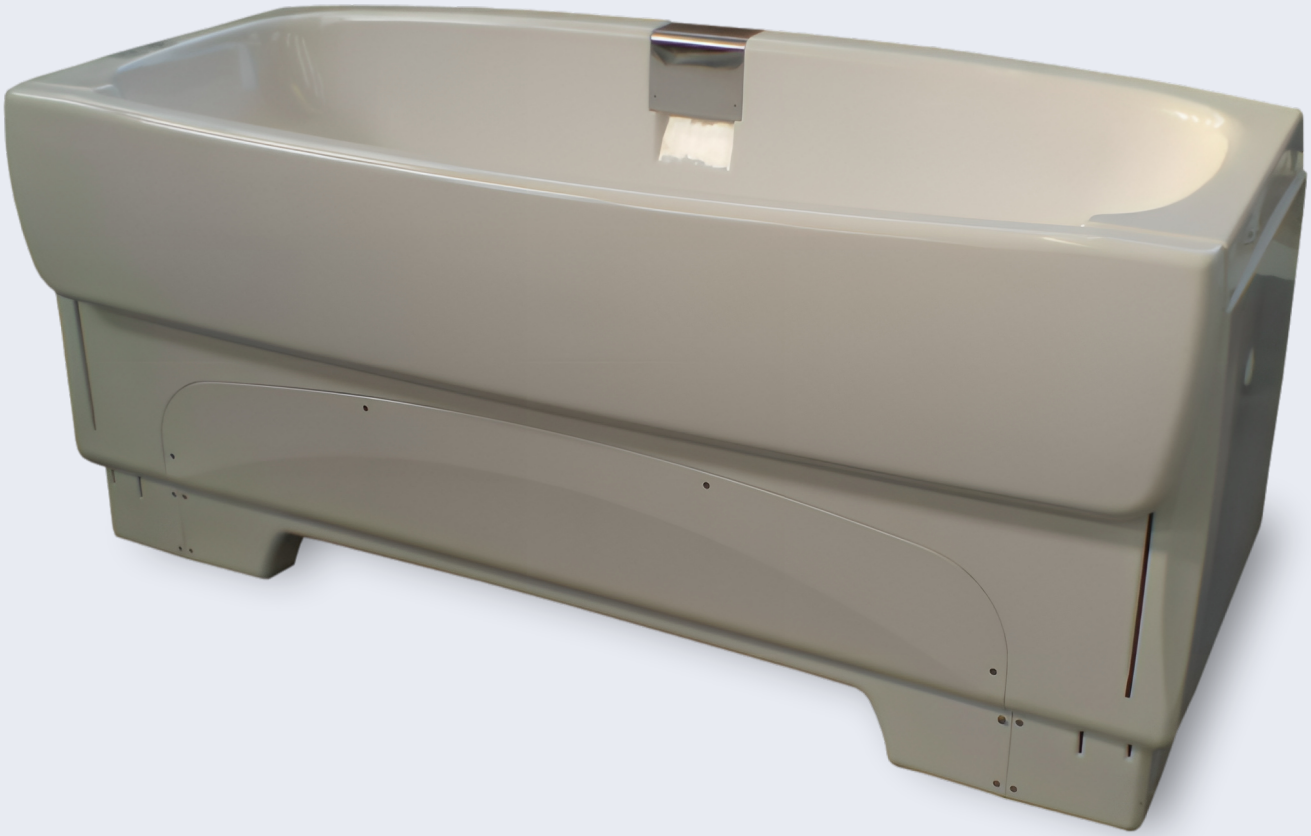
INCLUSIVE DESIGN
TURNKEY ADAPTATIONS



Lifestyle Care Bath

Pre-installation Details

care spaces

Contents

General information 3
Delivery and room preparation 4
Positioning 5
Pipework..... 6
Panels.....7
Water supply regulations 7
Water supply requirements 7
Mixer valve options..... 8
Electrical requirements 9
Other recommendations..... 10

Please read contents very carefully prior to commencing

This booklet describes the ideal conditions to which a site should be prepared prior to the installation of the Lifestyle bath.

The bath is intended to be used for assisted or independent bathing and should only be installed by competent individuals. The bath may incorporate lifting mechanisms, pumps and other electrical items and will normally have thermostatic mixer valves. These will require careful setting and subsequent maintenance.

At any stage, CareSpaces can provide telephone advice and a full commissioning service following installation by others. *please note charges apply. CareSpaces also offer maintenance service. Please call the company for details. If requested CareSpaces will also undertake a pre-delivery site survey and offer advice.

Throughout this pre-installation guide a 'left handed bath' is shown. If a right handed bath is specified, mirror the enclosed images.

General information

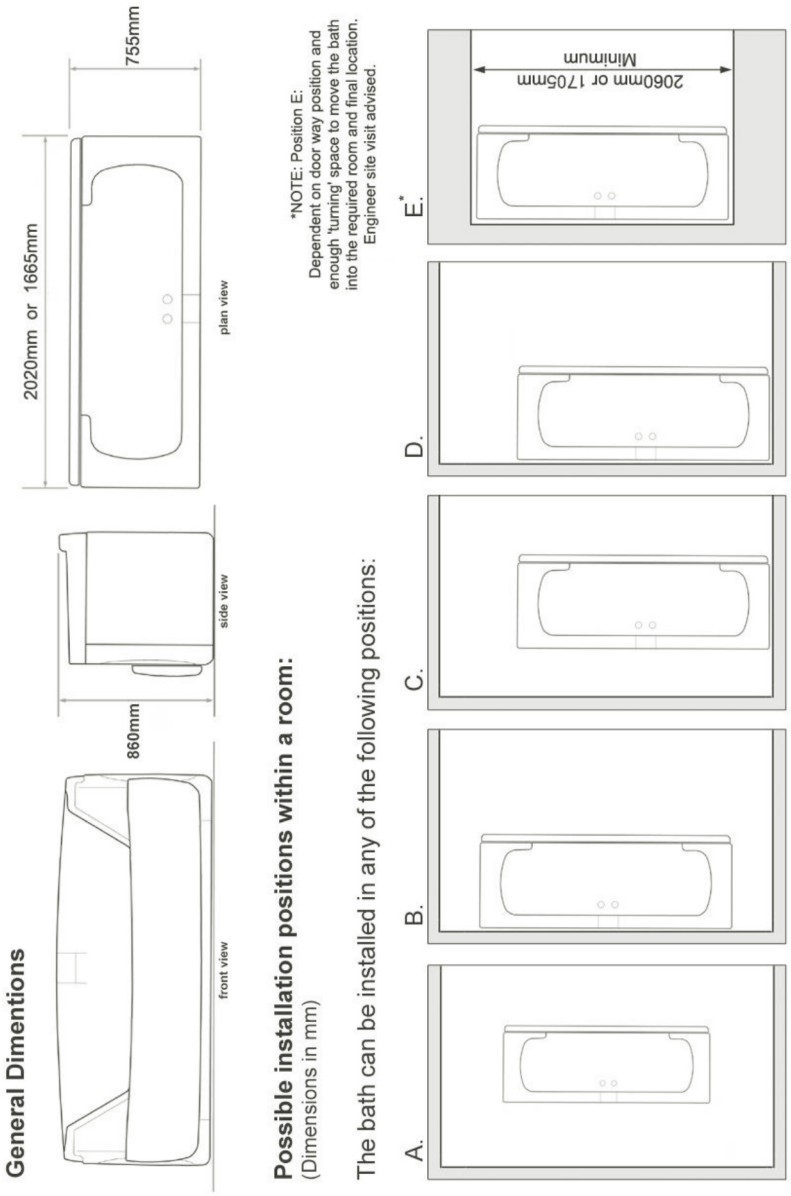
The Lifestyle bath features either a powered raise/lower function. It has one side which opens and slides down fully to allow the bath to be easily accessed.

With the door in the fully down position it can be used as a changing table, or allows different methods of transfer into and out of the bath.

The bath is supplied as standard with a digital TMV3 mixer tap for bath fill or bath/shower fill.

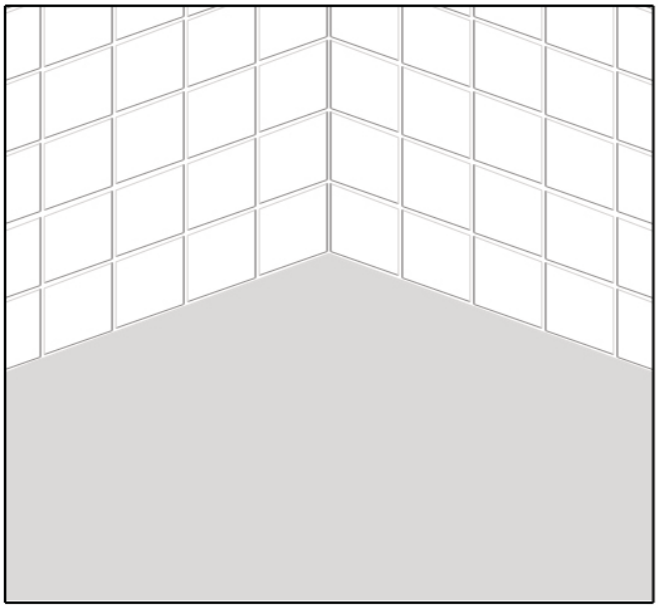
The bath is supplied with twin waste system as standard for quicker drainage.

The bath can be provided with PVC waterproof cushions to cover the base, side or other parts if required. Removable supports can be supplied to suit the needs of the individual bather.



Delivery and room preparation

- The room must be easily accessible for the manoeuvring of the very large bath unit
- Walls finished – painted/tiled
- Floor finished and level



The Lifestyle bath is typically delivered in an assembled state. The Lifestyle bath can be disassembled into separate components to allow entry areas to where access is difficult / limited. * if CareSpaces are not aware of access at quoting / ordering stage, please inform us prior to delivery/install. If this is required, it should only be done by a CareSpaces engineer.

Please note this is a large and heavy product and will require careful consideration on how the bath mouldings are moved into the designated room in the building. If the bathroom is not particularly large, it is recommended to leave other fittings not in place. E.g. basins, W.C's until after installing the bath.

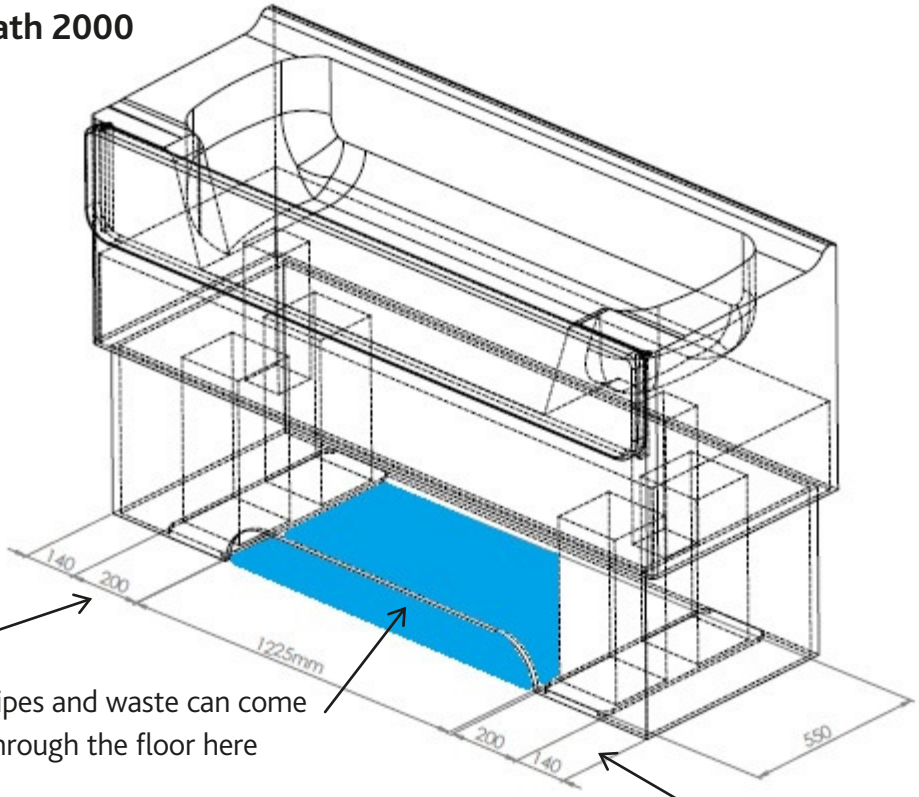
If there is any uncertainty over the floor strength where the bath will be situated this should also be addressed before delivery.

Careful handling of the Lifestyle bath must be undertaken at all times due the possibility of compromising component durability. The bath should not be lifted / manoeuvred by the external panels. All handling must be carried out by using the metal framework of the main bath moulding itself. Panels should be fitted only once the bath is in the required position.

Positioning

The bath must be away from any objects / fittings to allow free movement up and down.
We would recommend that the bath is screwed down to the floor.

Lifestyle bath 2000

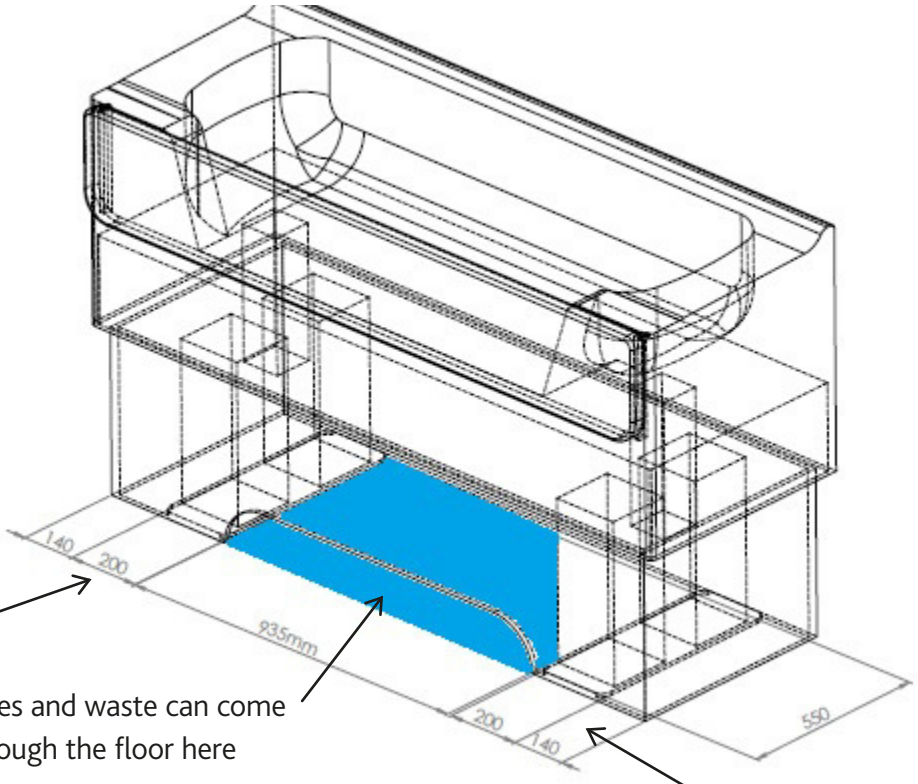


Foot plate

Pipes and waste can come through the floor here

Gap from foot plate to end of bath

Lifest



Foot plate

Pipes and waste can come through the floor here

Gap from foot plate to end of bath

Pipework

Hot and cold water supplies

- 1 x 150mm high copper pipe stub for hot water
- x 150mm high copper pipe stub for cold water

If the water system supplying the bath is gravity fed the pipes should be in 22mm. If it is a pressurised system 15mm pipes will be sufficient.

The temperature of the hot supply should be a constant minimum of 55 degrees Celsius at full flow. This is crucial for the temperatures on the bath TMVs to be set up correctly and the safety shut offs to work.

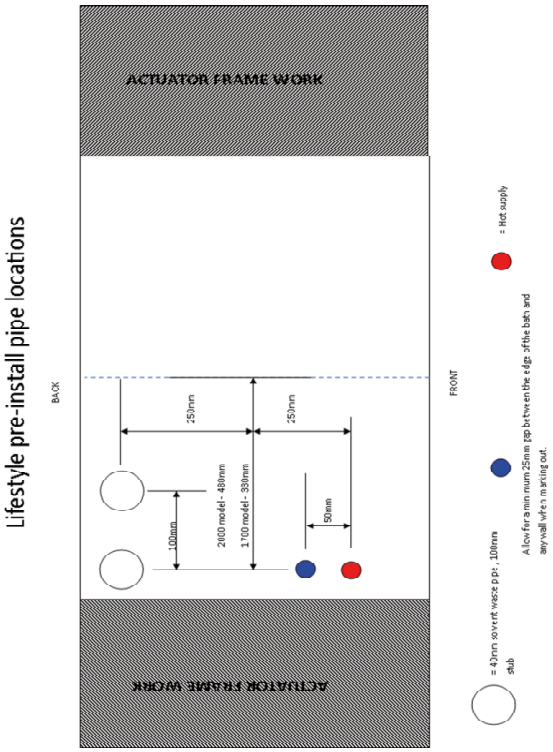
Also ensure there are no other thermostatic valves on the hot supply leading up to the bath.

Drainage / waste pipes

The Lifestyle is supplied with a twin waste as standard to be able to drain the water away as quick as possible. The drains pass through on-board bottle traps connected to 40mm flexible drain hoses.

Two separate rigid 40mm solvent pipe connections should be provided or one 50mm solvent pipe connection to tee into. Connecting both drain flexibles onto one 40mm pipe connection will not speed up the drainage on the bath.

They must be no more than 6" / 150mm high.



Panels

Please note the bottom skirting and rear side top panels may have to be cut to allow clearance for pipework to enter under the bath if the hot and cold supply and waste pipes are not located under the bath.

Water supply regulations

Depending on the nature of the establishment where the bath is to be used, UK regulations stipulate certain conditions of supply. It is understood that the bath might be classed by the water authorities as either a Category 3 fluid container (typically used in domestic dwelling) or a Category 5 fluid container if used in multi – user environment (e.g. Care Home/Hospital) The categorisation is important.

If the bath is to be categorised as Cat 5 the shower will be fitted with a crook and short shower hose to prevent back siphoning down the shower hose.

A standard Lifestyle bath has a volume of no more than 230 litres. Your local water authority should be able to advise you on the likely categorisation of the bath in your particular establishment.

Water supply requirements

The bath may be used if required as an easy access bath. The bather enters through the open bath side and the bath is subsequently filled after the door has been closed. In order that the bather does not become cold, the bath is designed to permit high flow rates (although they may work with low flow rates, when the fill time will be longer) Depending on how the bath is to be used, it is therefore important to establish there is sufficient flow available.

Typical high flow rates are 20 litres per minute, low rates are approx. 5 litres per minute.

The mixer valves provided are together with the necessary non-return valves cause restrictions that reduce flow rate still further. If high flow rates are available then it is preferable to pipe supplies in 22mm. (combi-boilers require 15mm pipework and will generally fill quite slow)

Consideration may need to be given to providing a pumped supply to the bath if flow rates are likely to be an issue. A minimum head of water of 4 metres is preferable to potentially avoid the need for a pump. (Combi-boilers or mains supplies can not be pumped) A competent plumber should be able to advise the best option.

If the bath is being used in continuous cycles, adequate hot water storage must be available.
A standard bath is 230 litres in volume. Please check if you are in doubt.

Mixer Valves

The bath is supplied with a digital mixer unit. (RADA Sense)

Digital Mixer Valves (RADA Sense)

The mixing valve unit is mounted underneath the bath unit and the control panel is either mounted remotely from bath, for example on an adjacent wall or on a bracket attached to the bath. *Note, we advise if fitting to the wall fit conduit set into the wall for the RADA activation panel wire prior to any tiling etc.)

The mixer valves are set to maximum and minimum temperatures and the user can vary between these using the infra-red sensing control unit. Please discuss with CareSpaces if mounting on the wall next to the bath, it must not interfere with the bath moving side when raising / lowering.

Nothing should be wall mounted above the bath that causes a risk of trapping as the bath traversers upwards.

Example of RADA Sense and control panel

Electrical requirements

The room into which the baths will be installed must comply with the latest electrical zoning regulations. These stipulate the minimum distance from the bath to electrical equipment in the room. In addition, adequate ventilation must be provided. A qualified electrical engineer should advise.

CareSpaces will not be able to complete installation / commissioning of a bath unless an Electrical Installation Certificate (including test details covering the room in which the bath is to be installed) is issued to the CareSpaces engineer prior to the work commencing. This certificate is normally held by the householder/property owner.

Part P of the Building Electrical Safety Regulations applies to domestic dwellings where persons reside or share a common supply of electricity with a business premise. These regulations are effective from 1 st January 2005. At the very least, residential type properties require confirmation in writing that the installation complies with the requirements of BS7671.

The electrical low voltage installation for the bath facility shall confirm the following specification. A competent electrician must carry this work out.

1. The supply shall be 240V, 50Hz, single phase and neutral on a fused spur.

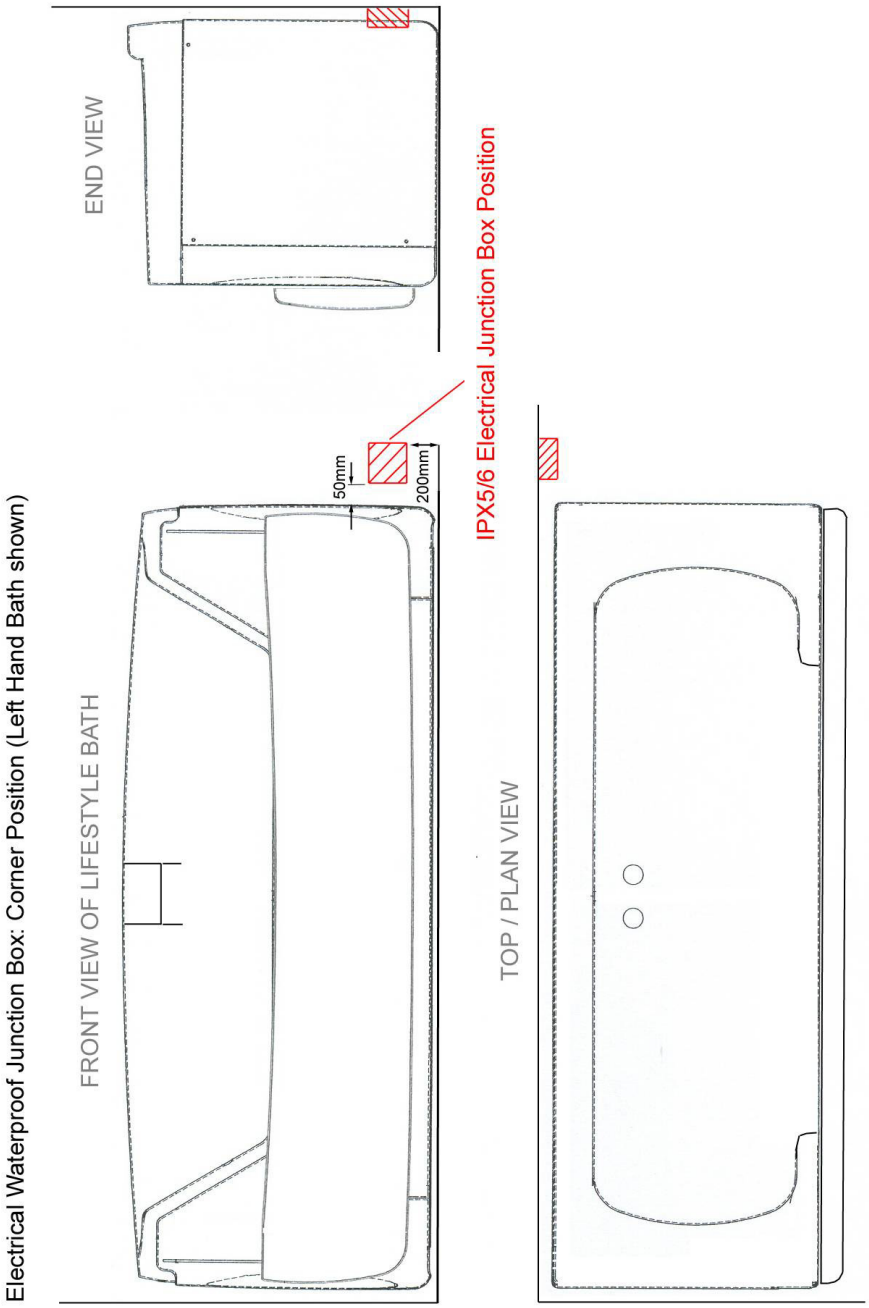
2. The supply shall be protected by a suitably rated RCD with a 30mA trip and shall be of a dedicated type. I.e. supplying the bath installation only. (not supplied with bath) A suitable isolation switch (not supplied) must be included in a suitable location within site of the bath. (5 Amp fuse)

3. The supply shall terminate at an agreed position nominally 200mm above floor level,

4. The supply shall terminate in an enclosure of IP5/6 rating; the enclosure shall have facility for 'glanding off' using waterproof compressions glands to preserve the IPx5/6 rating of installation. (not supplied with bath)

5. The enclosure shall be 100mm x 100mm x 50mm in dimension.

Other recommendations

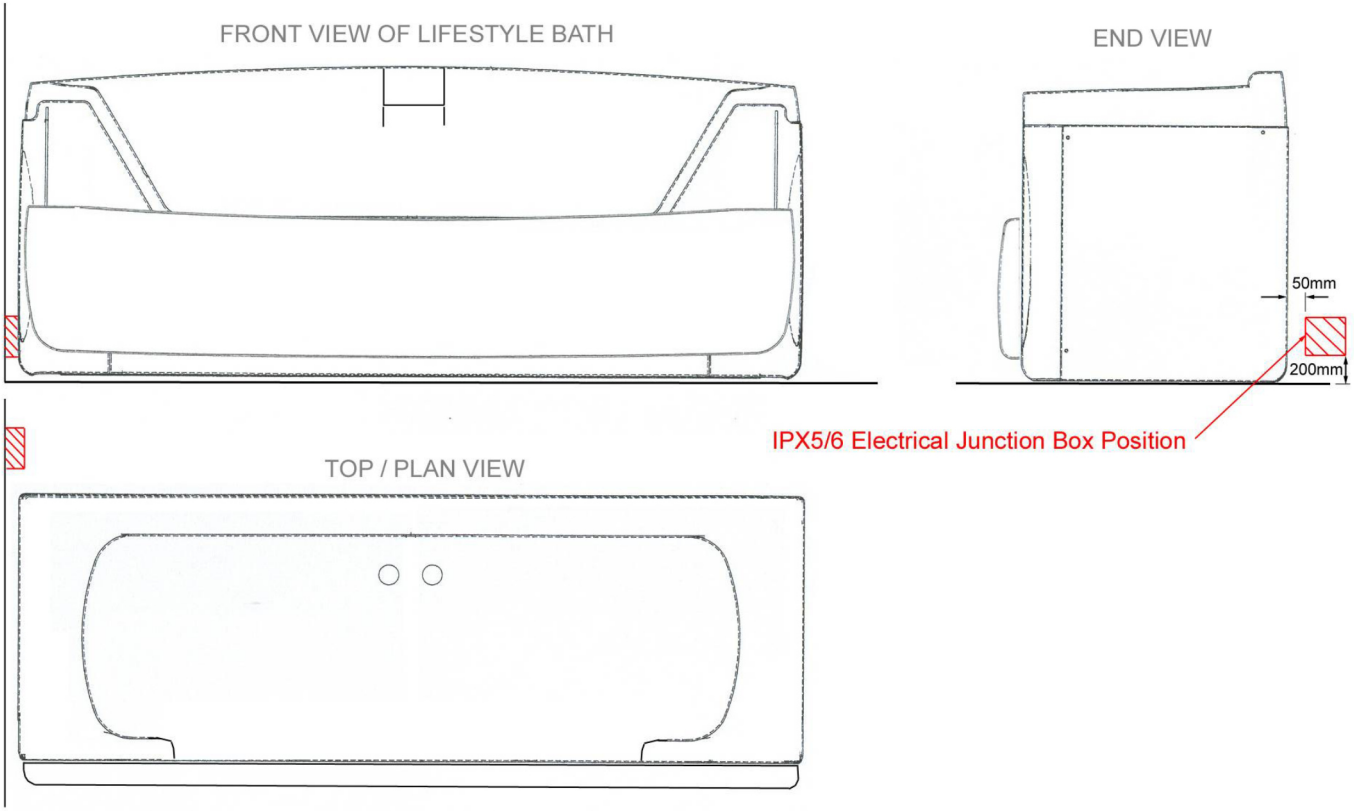


Please ensure only competent individuals undertake the above work and remember at all times to consult CareSpaces if there is any doubt. CareSpaces engineers are able to carry out pre-installation site surveys depending on locations.

We can carry out visits on work done following installation of the bath and provide a full commissioning service and certificate, please note charges apply.

This is the recommended course of action.

Electrical Waterproof Junction Box: Peninsula Position (Left Hand Bath Shown)



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