# Standard Radiator Specification

<table>
<thead>
<tr>
<th>Element</th>
<th>Requirement</th>
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<tr>
<td><strong>Room Configuration</strong></td>
<td>To be defined in the project brief but should meet Building Regulations.</td>
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| **Installation**   | **General** All associated existing/base build valves and pipework should be checked for condition and operation and reviewed with the operations team. As a guide, budgets should allow for replacement of all associated base build/existing valves and pipework. Each radiator must be fitted with a drain down valve. Fixings must be robust and fit for purpose and position.  
**Design** Where replacement radiators, design must meet CUL’s environmental conditions (room temp 22°C). Designers must optimise radiator position to ensure environmental conditions as above are met whilst minimise draughts in line with CIBSE guidelines.  
**TRV’s** For heating in general and where possible, all radiators should be linked via the Trend Control system utilising mechanical control valves. Where this is not possible, radiators are to be controlled via a TRV (Honeywell VT200) or liquid filled equivalent.  
**Pipework** Where possible all pipework is to be lagged. Decoration of unlagged pipework to be project specific.  
**Bleed Valves** All bleed valves or vents must be located at an accessible position to allow proper operation.  
**Isolating Valves** Isolating valves to be installed as standard on both flow and return to each individual radiator.  
| **Radiator Type**  | **Replacement Installation** Where the replacement of existing radiators is to take place, the pipework and radiators are to match base build/existing installation. Flushing and dosing of the entire affected system is to be allowed for.  
**General Radiators** To be sized correctly and project specific but when installing new ideally they should be wall mounted, of a flat tube steel construction and painted RAL 9010. Any deviation must be approved in writing by CUL.  
**Cill Line Heating** To be used when replacing existing or to meet new design requirements. To be sized correctly and project specific. Sizing is particularly important in corner rooms.  
**Colour** As detailed above. Colour to be RAL 9010 or equivalent. With a durable topcoat i.e. epoxy polyester powder. Any deviation to colour or topcoat must be approved in writing by CUL. |
**Important note:**
This standard sets out the basic functional requirements for a typical new or refurbished teaching room. The actual work required for a particular project will be determined in a separate SCOPE OF WORKS DOCUMENT - some elements may not be present or require replacement.