

# SPECTRUM RADIANT PANEL



**OVER 30 YEARS  
HEATING & COOLING EXPERTISE**

## RADIANT

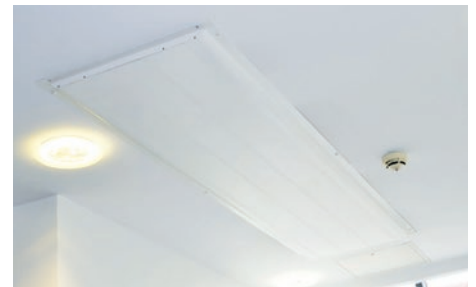
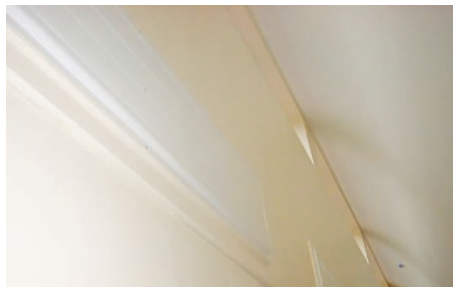
HEATING & COOLING SOLUTIONS



— SIMPLY RADIANT —

# Need a partner you can trust? Capability is one thing, experience is another.

The best business partner is the one who understands your markets as well as you. The team at RHCS have over 3 decades of experience in designing and creating heating and cooling solutions. Our objective is to use this knowledge and experience to help you become as innovative as you can be, in your market place.



## About the Team

At RHCS we aim to build long term partnerships with our customers and work closely with you: from understanding your needs to on time deliveries into your site.

From our centrally located office in Birmingham our team will offer you a friendly, open approach ensuring we meet all your heating and cooling requirements.

We truly believe in good customer service and we want to take the stress out of our customers' lives so you can buy from us in confidence.

We look forward to receiving any enquiries you may have or hearing from you to discuss what RHCS can do for you.



## RHCS – Manufacturer of the Spectrum range of radiant panels

The Spectrum range of radiant panels combines excellent heating and cooling performance with an unobtrusive design, easy installation, realistic pricing and the knowledge that they will give years of trouble free service.

Spectrum panels are designed for a wide range of applications and we are the leading supplier to many markets: classrooms and sports halls in schools, hospitals, residential care homes as well as offices and light industrial units.

Spectrum radiant panels are constructed from 150mm wide extruded aluminium strips, interlocked together to make the required width combinations.

## Availability

Spectrum Radiant Panels are manufactured in the UK and sold directly throughout the UK and the Republic of Ireland, ensuring quick delivery to site to aid schedule requirements.

Panel stock is held in our centrally located warehouse in Birmingham for quick call off if required.

We offer supplier support at all stages of a project, including site attendance.



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[www.radiantheatingandcooling.co.uk](http://www.radiantheatingandcooling.co.uk)

# Design Configuration

Spectrum radiant panels are available in the following Modular lengths:

**600mm, 1200mm, 1800mm, 2400 mm, 3000mm, 3600mm.**

Combinations of the above sizes can be used for longer lengths.  
Bespoke sizes are available on request.

## MDP

### Standard Modular Design 600mm-3600mm



### Standard Make of Panels from 3000mm

#### 600-3000



#### 600-3000



#### 600-3000



#### SP

#### MP x ?

#### EP

When joining panels longer than 3000mm, a SP & EP panel will complete the panel assembly.  
The MP panel can be used to lengthen the complete panel to the desired length.

## Outputs

EN14037						
Width	600	1200	1800	2400	3000	3600
300	99	198	295	394	493	570
450	135	270	404	539	674	808
600	171	342	512	683	854	1026
750	208	417	625	834	1042	1248
900	246	492	738	984	1230	1476

Outputs shown are  $\Delta T = 55K$

Operating pressure: 4.6 bar

Max Operating temperature: 90° C

Cooling outputs on request

$\Delta T$	Correction Factor EN14037
38	0.651
40	0.691
42	0.731
44	0.771
46	0.812
48	0.854
50	0.895
52	0.937
54	0.979
55	1.000
56	1.021
58	1.064
60	1.106

## Installation Information

Over the years' experience has shown the contractor can install these safely by themselves, which reduces costs and gives greater flexibility to the contractor.

**Fixing** All panels except Wall Mounted will need support wires (can be supplied at extra cost) Wall Mounted comes complete with all fixings.

**Weight** working weight 15.2kg/m<sup>2</sup>.

**Connections** Panels come with 15mm male connections, flexible push fit connectors are recommended for easier installation, (can be supplied at extra cost).

**Joining panels** Couplings will be required (not supplied) when joining panels cover strips will be provided.

## Actual Panel Sizes

Nominal Width	Actual Width
300mm	294mm
450mm	444mm
600mm	594mm
750mm	744mm
900mm	894mm
Nominal Length	Actual Length
600mm	592mm
1200mm	1192mm
1800mm	1792mm
2400mm	2392mm
3000mm	2992mm
3600mm	3592mm

# Spectrum Radiant panels

## Key features

**Casing** of the panels are manufactured from 2.5mm aluminium extrusion to BS EN 755-9-2001.

Panels will 150mm wide, strips interlocked to encapsulate the copper waterways.

**Waterways** from 15mm OD copper to BS EN1057.

Insulation are low density rigid polyisocyanurate foam board 30mm thick.

**Finish** to be powder coated to RAL 9010 (30% matt)

**Packaging** all panels will be individually boxed, clearly labelled and complete with fitting instructions.

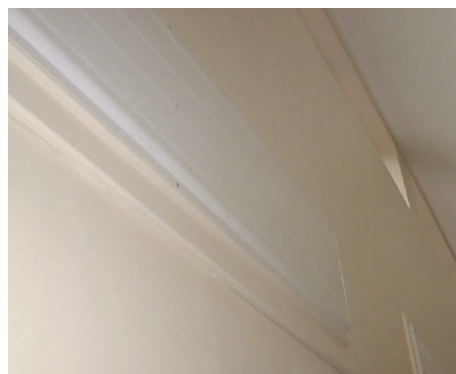
**TB**

For all Ceiling Grid (T BAR) applications



**WM**

Wall Mounting Applications



**FH**

Free Hanging Applications



**PB**

Plasterboard Applications



**Contact us today**  
**Our UK based facility will respond quickly**

**RADIANT**  
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